

PROJECT REPORT

ON

E-SCHOOL MANAGEMENT SYSTEM

FOR

REOTRIX Pvt.Ltd.

IN PARTIAL FULFILMENT OF

MASTER IN COMPUTER APPLICATION

BY

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SUBMITTED TO

UNIVERSITY OF PUNE

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Thanking you,
ISHWAR DHOTE

Index

Sr.No	Title	Page No
1	Introduction	
	1.1 Company profile	1
	1.2 Existing system and need for system	3
	1.3 Scope of work	5
	1.4 Operating Environment – Hardware and Software	6
	1.5 Detail Description of Technology used	7
2	Proposed system	
	2.1 Proposed system	12
	2.2 Objectives of system	13
	2.3 User requirements	14
3	Analysis & Design	
	3.1 Object diagram	15
	3.2 Class diagram	16
	3.3 Use Case diagram	17
	3.4 Activity diagram	21
	3.5 Sequence diagram	26
	3.6 Entity Relationship diagram	28
	3.7 Module Hierarchy diagram	29
	3.8 Component diagram	30
	3.9 Deployment diagram	31
	3.10 Module Specification	32
	3.11 Web Site Map diagram	35
	3.12 User Interface design	36
	3.13 Data Dictionary	48
	3.14 Table specifications	51
	3.15 Test procedures and implementation	61
4.	User manual	
	4.1 User manual	67
	4.2 Operations manual / Menu Explanation	73
	4.3 Program Specification	75

5	Drawbacks and Limitations	79
6	Proposed Enhancement	80
7	Conclusions	81
8	Bibliography	
	ANNEXURES:	
	ANNEXURE 1:User Interface Screens	
	ANNEXURE 2:Data Output Reports	
	ANNEXURE 3:Sample Program Code	

CHAPTER 1: INTRODUCTION

1.1 Company profile:-



Reotrix technologies started in 2014, in Pune, India. We are an emerging organization which is providing IT solutions to many businesses. We have expertise on various solutions from Web designing to Digital Marketing. We are leading provider of computer software to consumers and small businesses across a wide range of computing and communications devices and software. We offer services of entire software, web development, Content Management Solutions and Creative Design from the very beginning until the end. Our overall process includes concept, design, development, incorporation, and implementation. We have a squad of experts, who are working on modern technologies and tools with vast experience to carry out web-based projects, e-commerce, mobile applications

E-School Management System

and programming scripting languages. Our development team strive hard to meet the client requirements through consistent efforts.

We believe in transparent business based on ethical protocols practice. Customer satisfaction has always been the key to our success. We started as a beginner in India, completed many projects with meeting the timelines, customer satisfaction, and passion towards it. The credibility has been well established with the list of satisfied customers ranging from corporate companies to E-commerce establishments. We make your presence on The Internet with a corporate identity and strong online marketing in major search engines. Crossing over the geographical boundaries, we can work on the website design, website development, web marketing, e-commerce solutions and software development for organizations based in any location in global destinations of USA, Canada, UK, Australia and so on. We have the expertise and technology to serve anyone based anywhere in the world.

1.2 Existing System:-

Under the existing system there was no any medium to make direct communication between parents and administration. To inform about status and study reports to particular parents of a particular student, administration have to write letter to make them inform. Students have to check their notice board to get information about details about their routine, exam time tables, about their results and marks scored in particular exam subject wise.

There are manual interactions between parents and teachers which are causing problems in establishing a good environment for transparency. In order to solve this problem this e school management software will be helpful. School management will update every students details that are taken place in school with marks, attendance etc to database and provide user name and password for every student.

1.2 Need for System:-

Existing system is manual system. This makes it slow. And record of information are available, but on paper. If anyone wants to some old information, then it again consumes large amount time.

And if parents of students wanted to know something about child's progress, then they have to come to the school.

So as considering above situations, a web based "E School Management System" is needed. This web application will store all information and records online. And parents can see and check their child's progress online i.e. on schools web site.

1.3 Scope of Work

E-School Management System is a web-based School Management Application. It will design for better interaction between students, teachers, parents & management. The main purpose of building this application is, the parents of Students are very busy nowadays, so they can't be able to monitor their children and their Activities properly and regularly. This E School management system will help the parents to monitor their children from anywhere. They can be able to check their children's academic performance from a remote location.

Some the modules are as given below:-

- Manage Student
- Manage Parent
- Manage Teacher
- Manage Exam
- Manage Daily Attendance
- Manage Subject

1.4 Operating Environment:-

Hardware Requirements:

- ✓ Processor type: Minimum: Intel P4
- ✓ RAM: Minimum: 1GB
- ✓ Processor speed: 1 GHz or higher
- ✓ Hard disk: 160 GB or more

Software Requirements:

- ✓ Front End : - Visual studio 2010 (ASP.Net
with C#.NET)
- ✓ Back End : - Microsoft SQL Server 2008

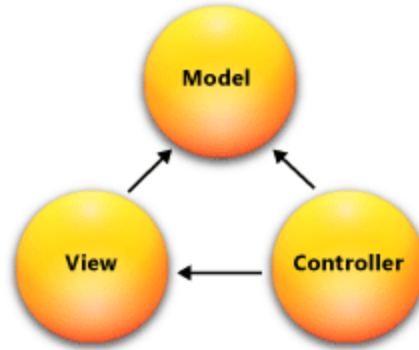
1.5 Detail Description of Technology Used:-

MVC- 3.0:-

The Model-View-Controller (MVC) architectural pattern separates an application into three main components: the model, the view, and the controller. The ASP.NET MVC framework provides an alternative to the ASP.NET Web Forms pattern for creating Web applications. The ASP.NET MVC framework is a lightweight, highly testable presentation framework that (as with Web Forms-based applications) is integrated with existing ASP.NET features, such as master pages and membership-based authentication.

MVC design pattern

E-School Management System



MVC is a standard design pattern that many developers are familiar with.

The MVC pattern helps you create applications that separate the different aspects of the application (input logic, business logic, and UI logic), while providing a loose coupling between these elements.

The pattern specifies where each kind of logic should be located in the application.

- The UI logic belongs in the view.
- Input logic belongs in the controller.
- Business logic belongs in the model.

This separation helps you manage complexity when you build an application, because it enables you to focus on one aspect of the

implementation at a time. For example, you can focus on the view without depending on the business logic.

Three tier Architecture:-

Three-tier architecture is a client–server architecture in which the user interface (presentation), functional process logic ("business rules"), computer data storage and data access are developed and maintained as independent modules, most often on separate platforms. The three-tier model is a software architecture pattern.

Apart from the usual advantages of modular software with well-defined interfaces, the three-tier architecture is intended to allow any of the three tiers to be upgraded or replaced independently in response to changes in requirements or technology. For example, a change of operating system in the *presentation tier* would only affect the user interface code.

E-School Management System

Typically, the user interface runs on a desktop PC or workstation and uses a standard graphical user interface, functional process logic that may consist of one or more separate modules running on a workstation or application server, and an RDBMS on a database server or mainframe that contains the computer data storage logic.

Business logic Layer:-

Business logic could be anywhere in a program. Business logic often changes. Thus it is often seen as desirable to make the code that implements the business logic relatively isolated, or loosely coupled. This makes it more likely that changes to business logic will require a small set of code changes, in only one part of the code.

Data Access Layer:-

A **data access layer** (DAL) is a layer of a computer program which provides simplified access to data stored in persistent storage of some kind, such as an entity-relational database. This acronym is prevalently used in Microsoft ASP.NET environments.

Service layer:-

A **service layer** is a conceptual layer within network service provider architecture. It aims at providing middleware that serves third-party value-added services and applications at a higher application layer. The concept of service layer is used in contexts such as intelligent networks .

CHAPTER 2: PROPOSED SYSTEM

2.1 Proposed System

- Proposed system is E school Management System that manage school activity over the internet.
- This proposal will be developed for school. It is web based application.
- The administrator of the system is operations dashboard which is accessible to operations user.
- Operations dashboard where the administrator can add different other users like student, teacher, parents etc.
- Parents can monitor their children's activity.
- Parent checks their children academic performance from a remote location
- Administrator will add attendance of students, marks, assignment into system and update this into database.
- Administrator responsible for tracking student activity and updating.

2.2 Objectives of System-

- Track the progress activity of the student.
- Parent can easily look at their children activity.
- Parents of students are very busy now days so they can monitor their children activity properly and regularly from any remote location.
- To make better interaction between student, teacher and parents.
- Parents can check their children's academic performance from remote location.
- Administrator will make all updating in system.
- Parents can track their children activity over internet.

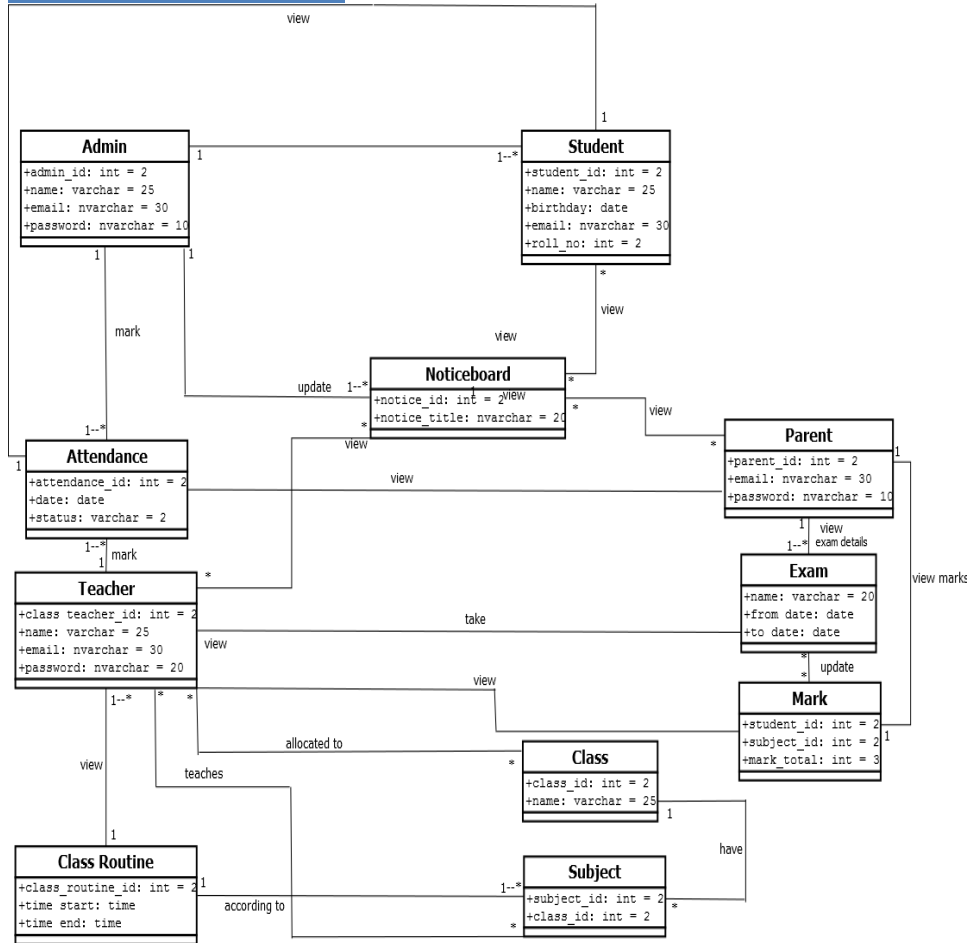
2.3 User Requirements-

- To make job of parents easier. So that the parents can keep eye on their child's progress.
- To keep all the record and information online rather than keeping it on paper.
- To have communication with each other (i.e. parents and teacher) whenever required.
- Organization need to able to handle all updating activity by administrator.
- Parents need to track the attendance, marks, and assignments of their child.
- Organization need to track exam time table of the student.
- Organization need to display holiday list.
- A platform which can be accessible all over the world.

CHAPTER 3: ANALYSIS AND DESIGN

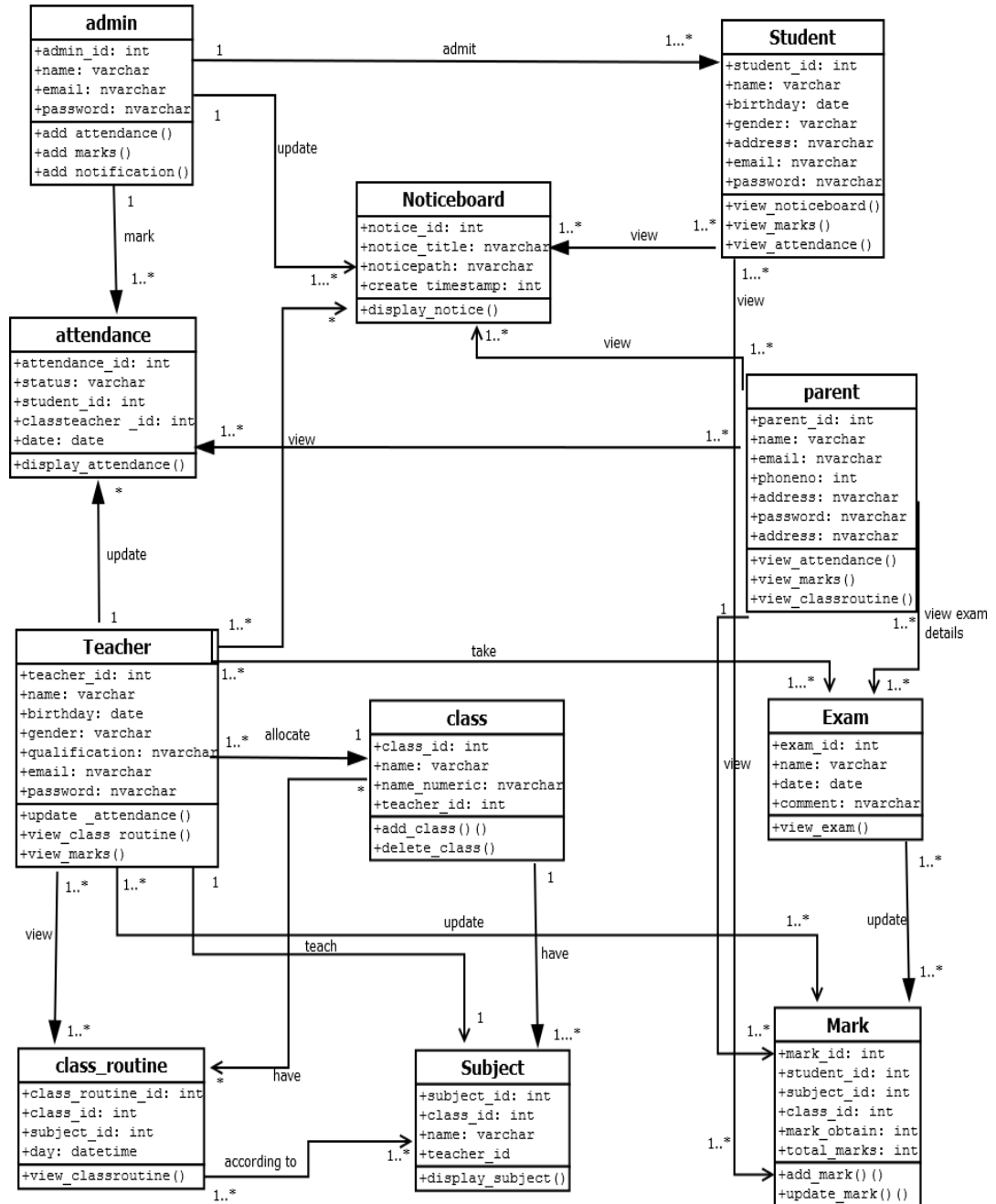
E-School Management System

3.1 Object Diagram



E-School Management System

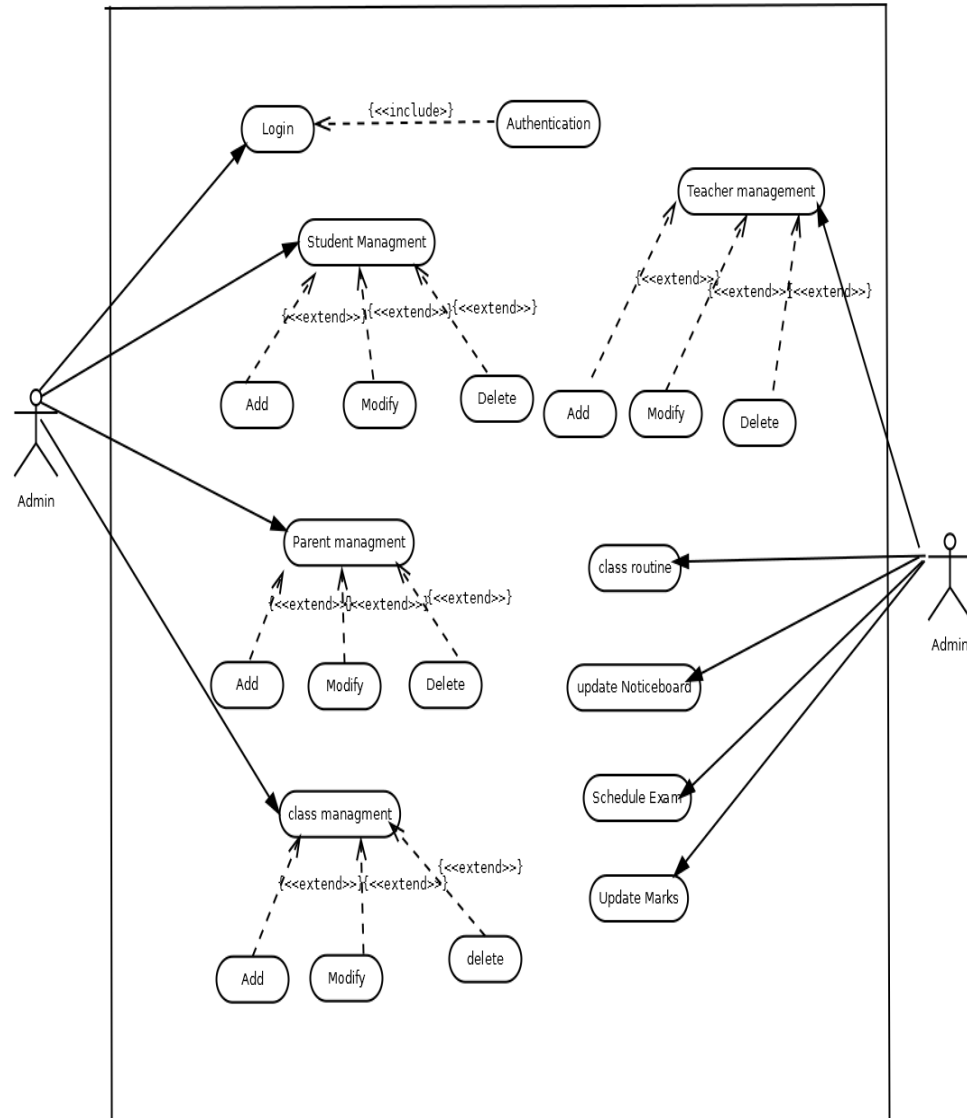
3.2 Class Diagram



E-School Management System

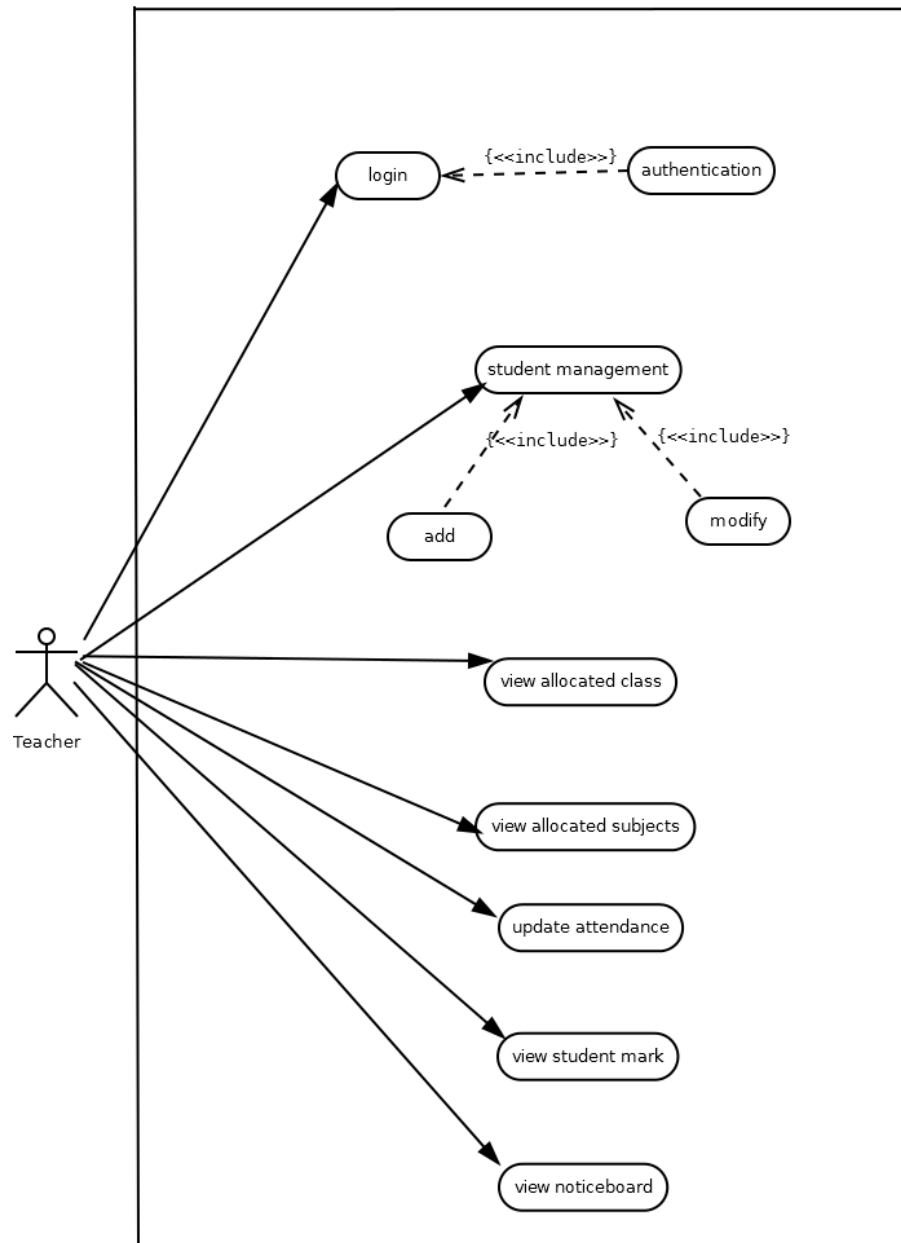
3.3 Use case Diagram

Admin:



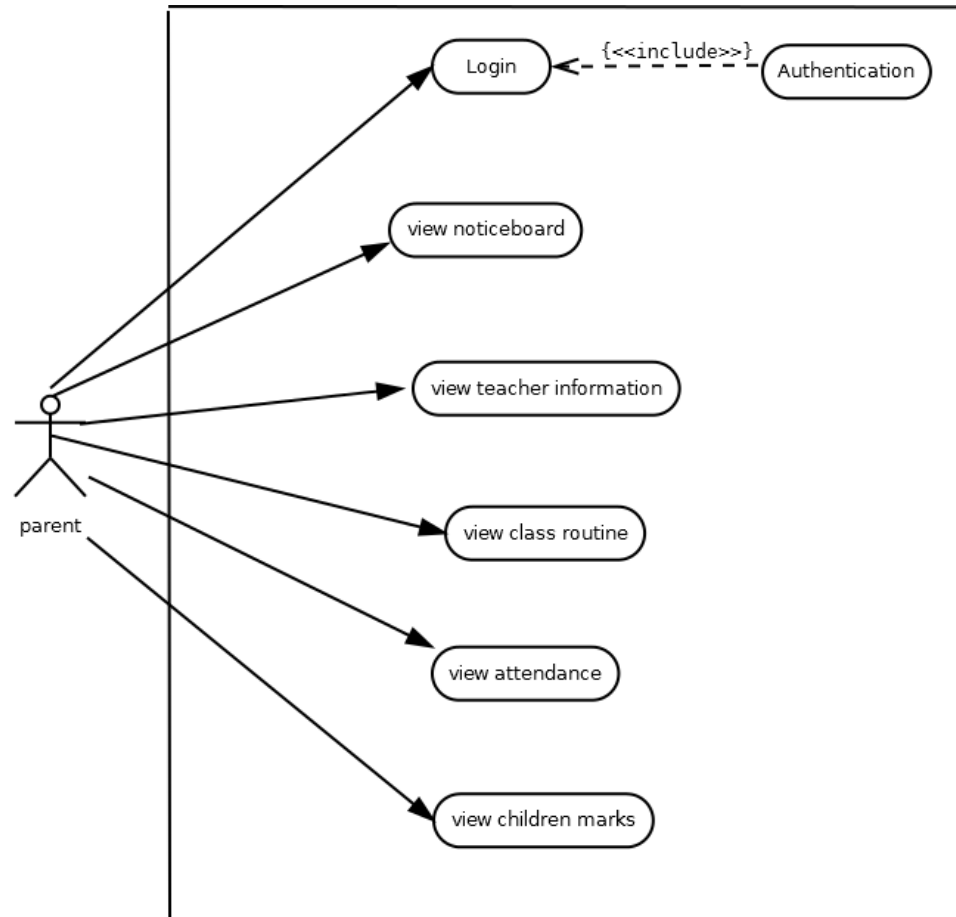
E-School Management System

Teacher:

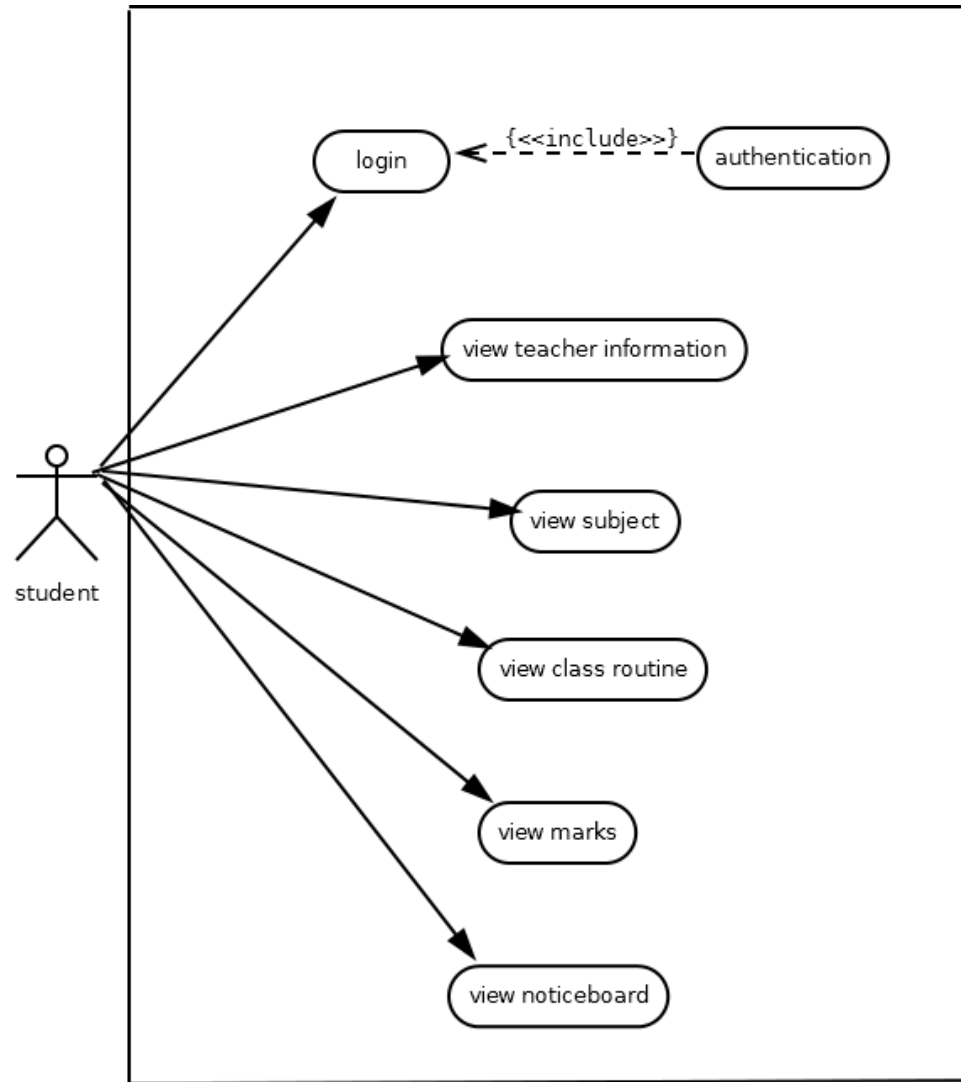


E-School Management System

Parent:

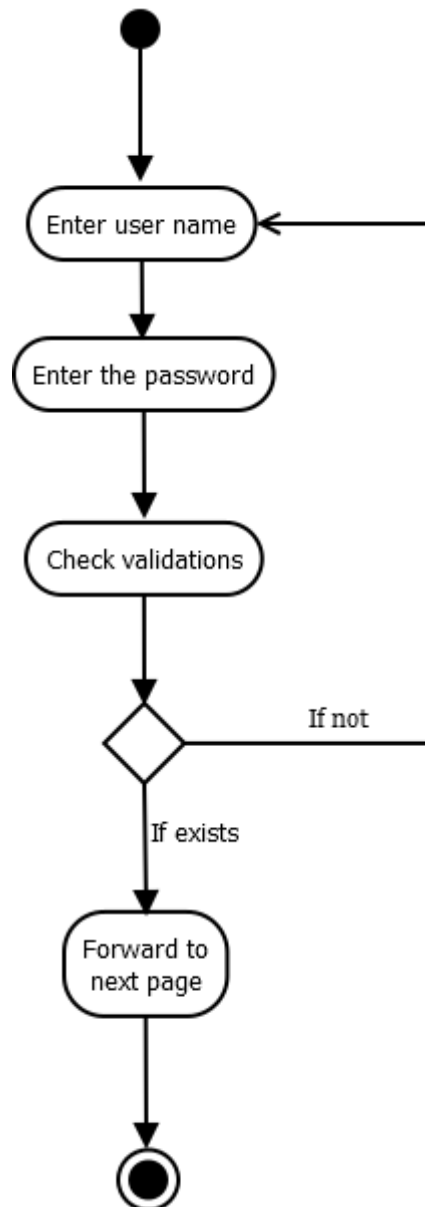


Student:



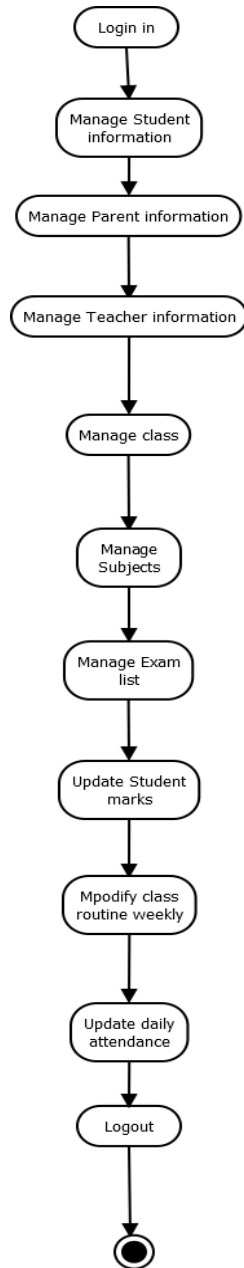
3.4 Activity Diagram:

Login Form

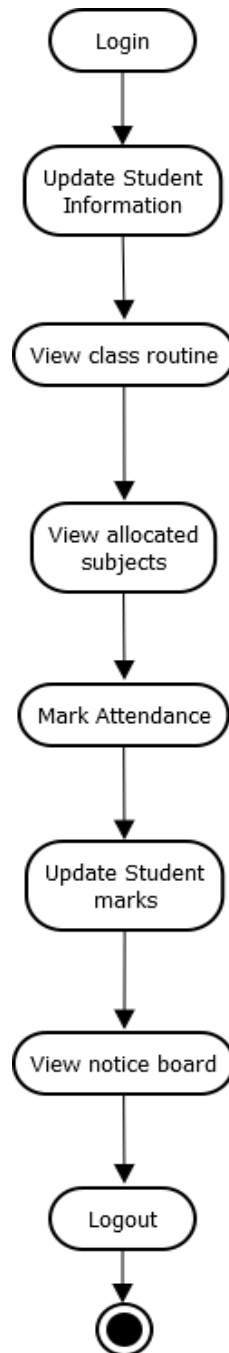


E-School Management System

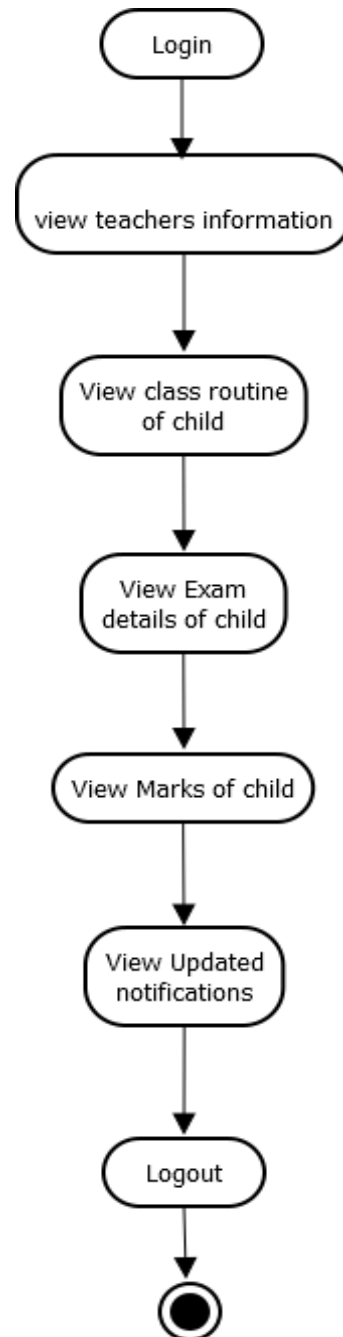
Admin:



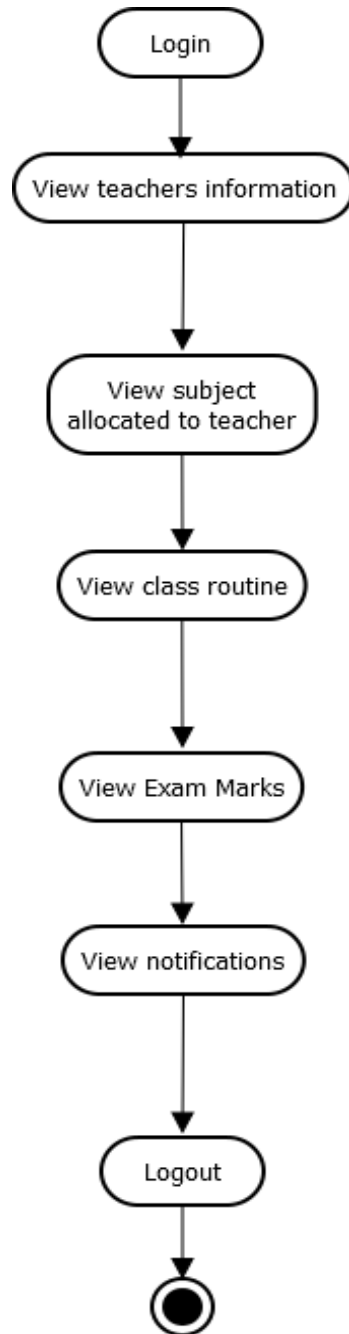
Teacher:



Parent:

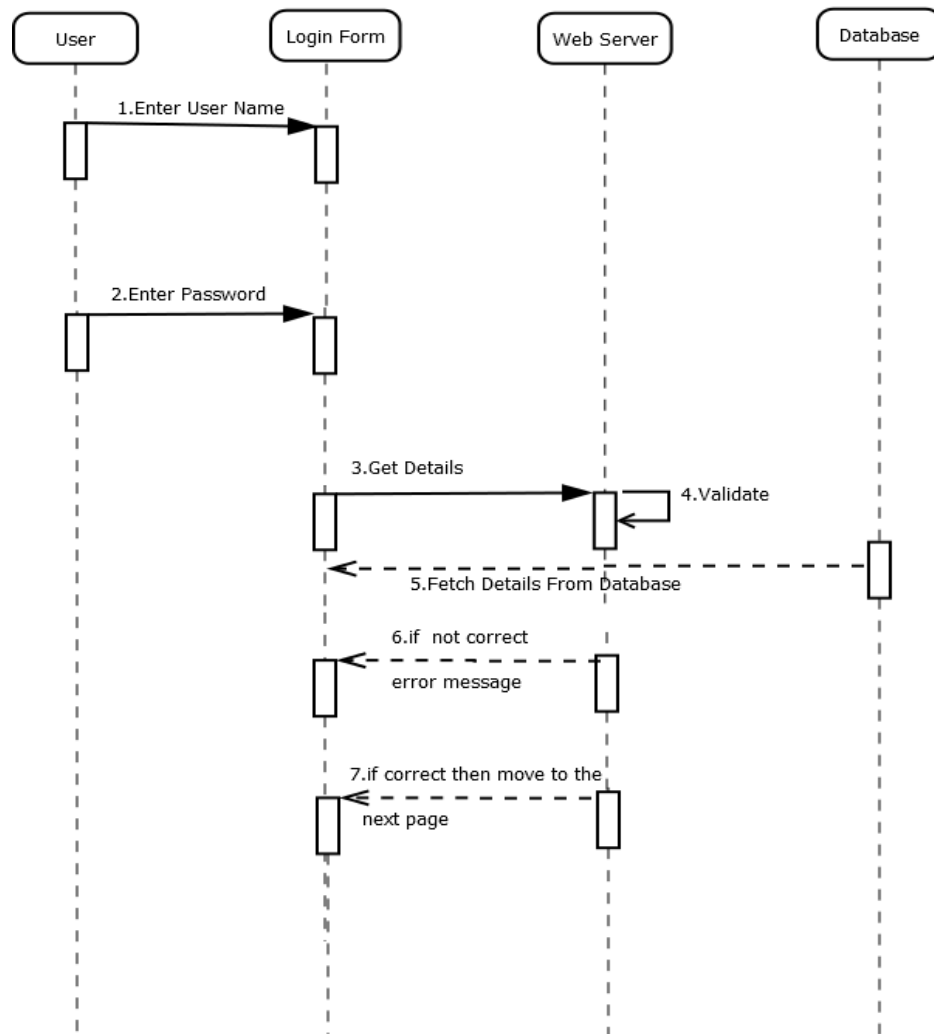


Student:



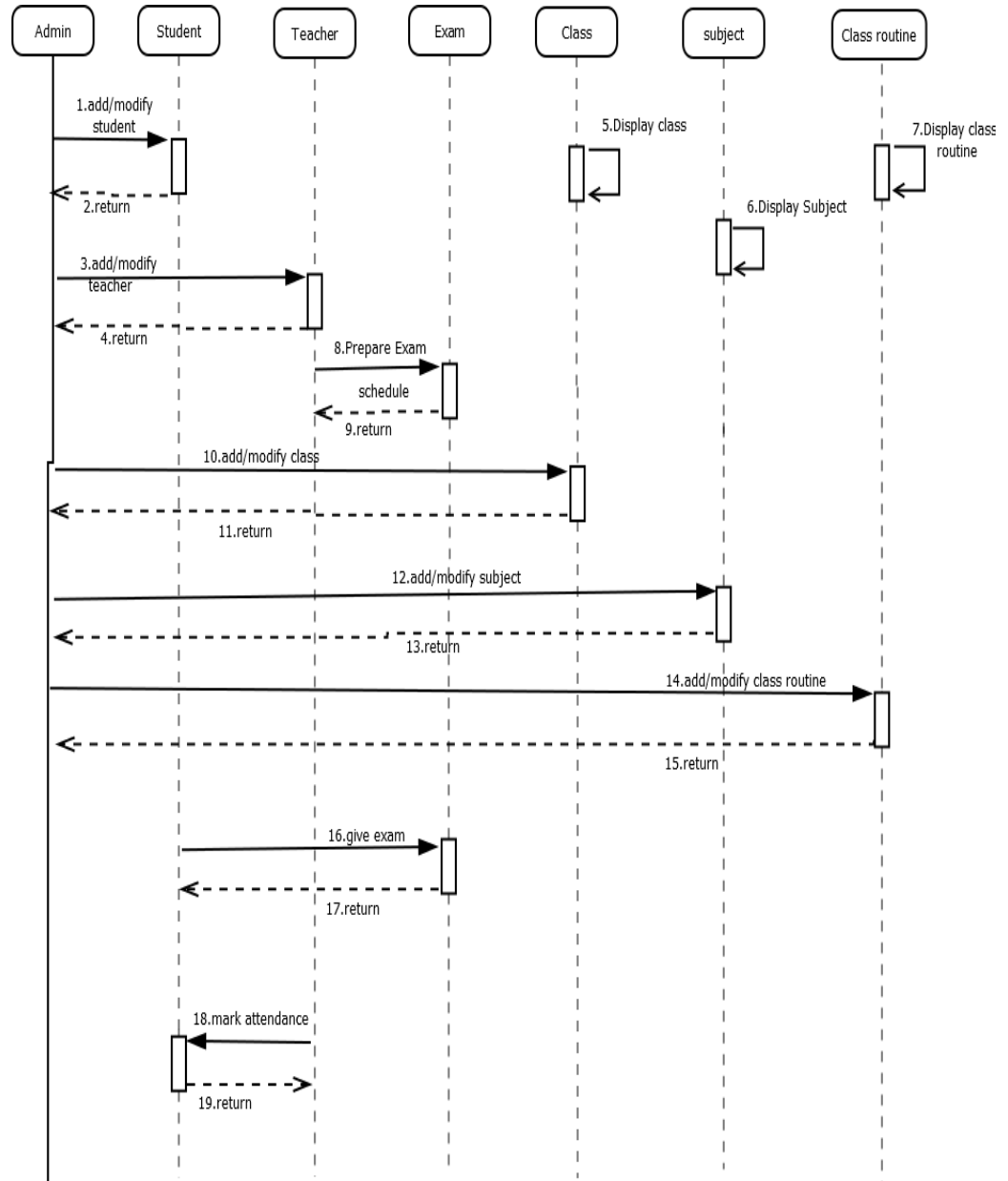
3.5 Sequence Diagram

Login form:



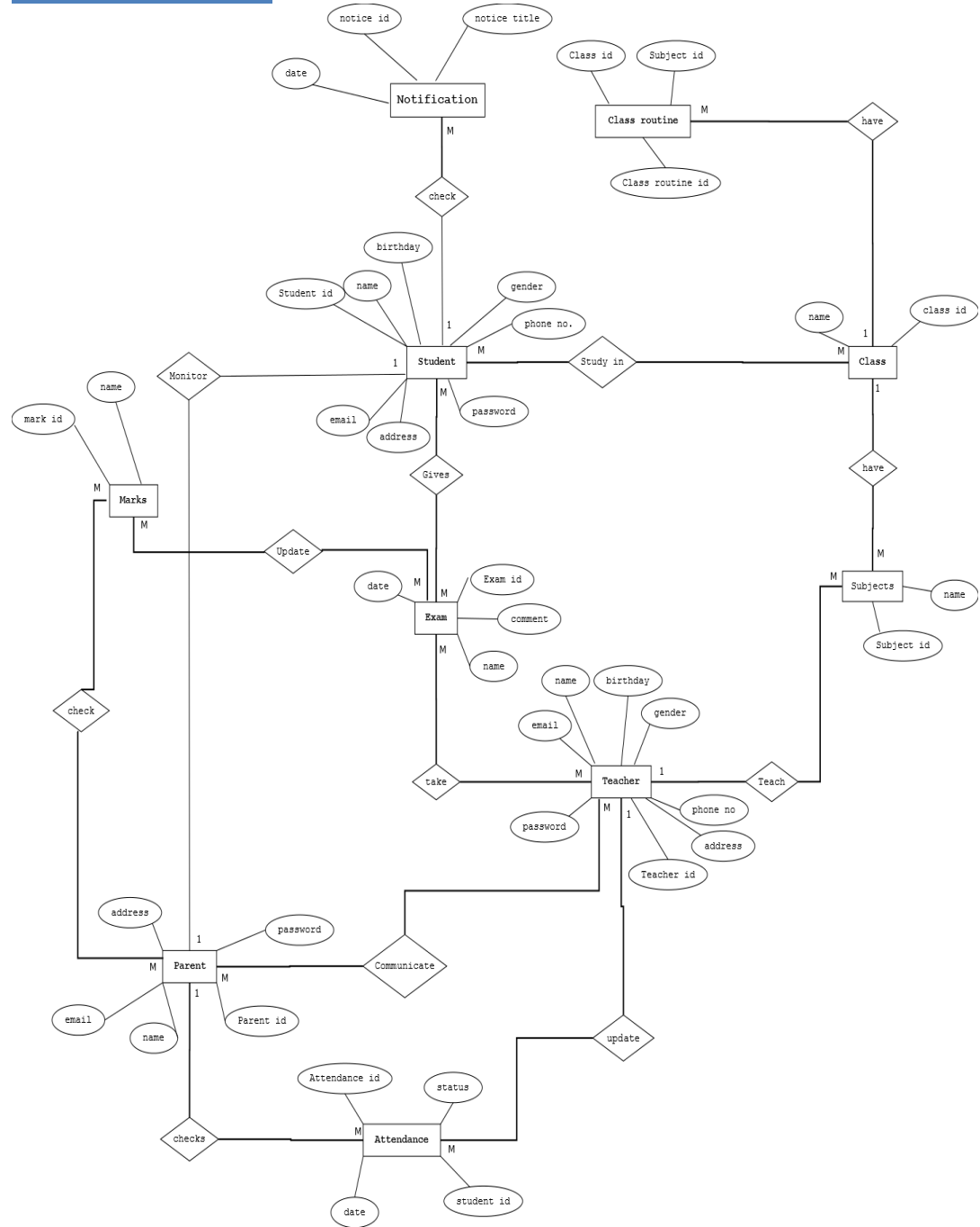
E-School Management System

Admin:



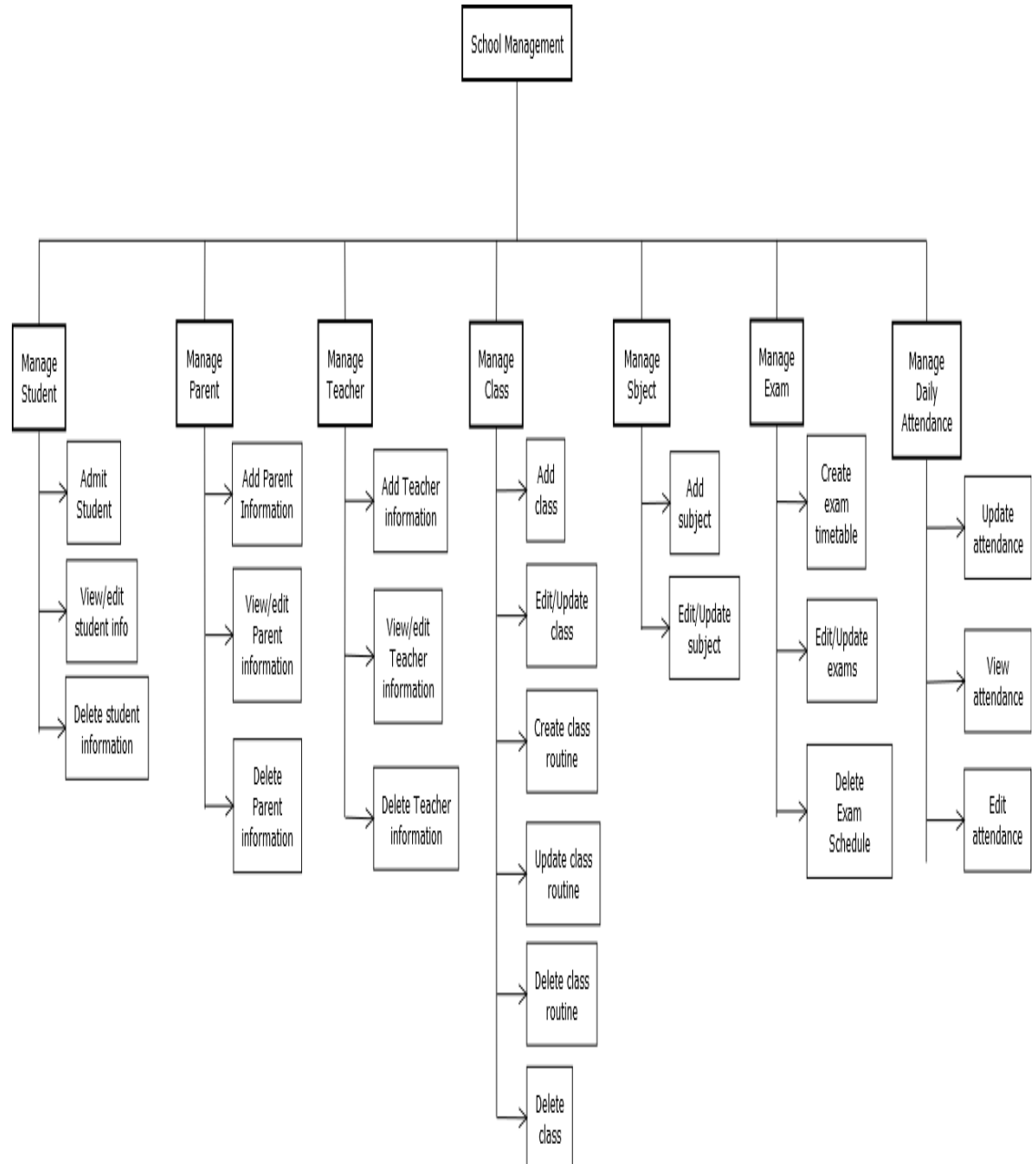
E-School Management System

3.6 ER Diagram:

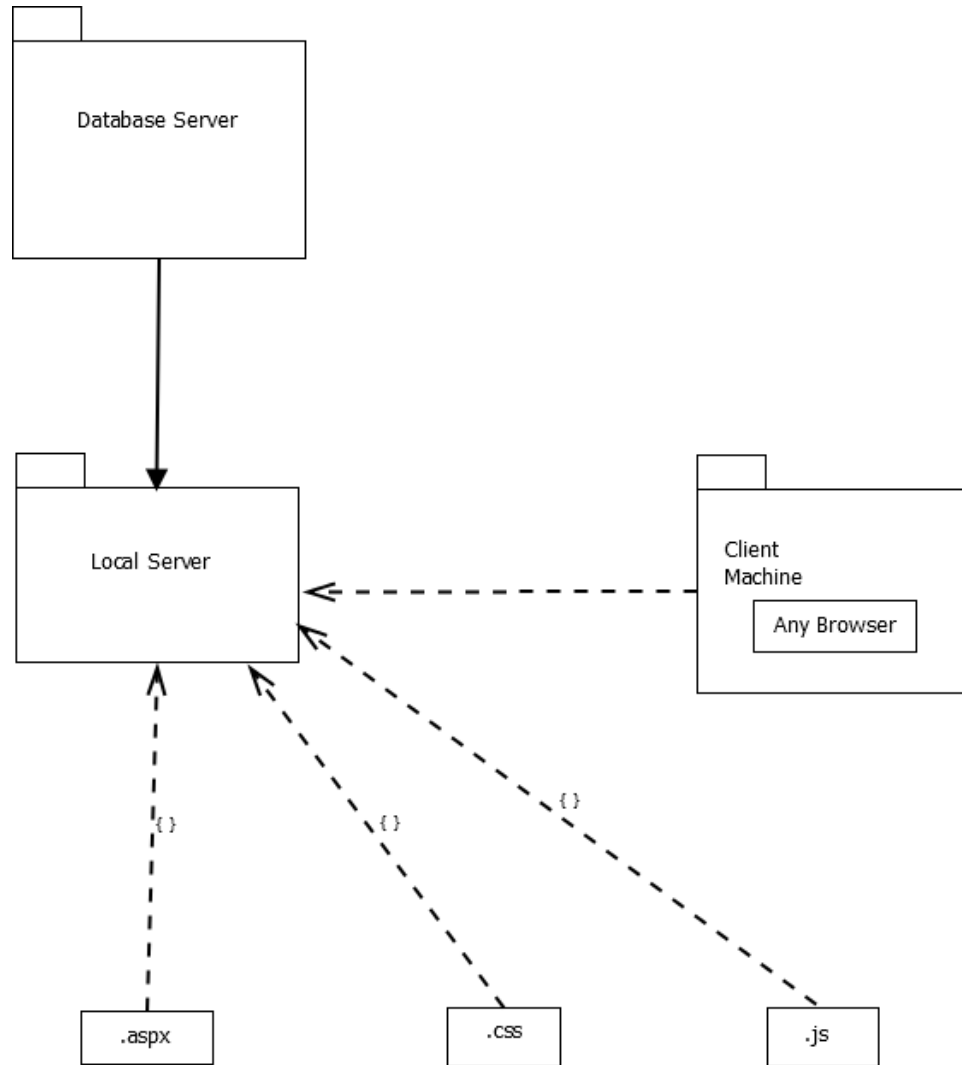


E-School Management System

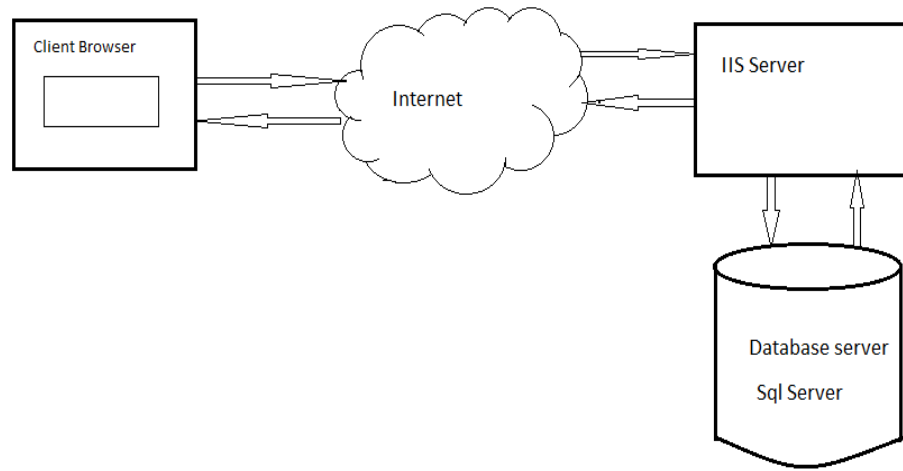
3.7 Module Hierarchy Diagram:



3.8 Component Diagram:



3.9 Deployment Diagram



3.10 Module Specification:

The Modules are as follows:

- 1) Manage Student**
- 2) Manage Parent**
- 3) Manage Teacher**
- 4) Manage Exam**
- 5) Manage Daily Attendance**
- 6) Manage Subject**
- 7) Manage Class**
- 8) Manage Invoice/Payment**

1. Manage Student

Function student has the ability to add, edit or delete students from the system.

2. Manage Parent

Function parent has the ability to add, edit or delete parents from the system. Once added by the admin, then parent can be able to see their child's progress.

3. Manage Teacher

Function teacher has the ability to add, edit or delete teachers from the system.

4. Manage Exam

Function exam has the ability to add exam timetable, edit or update exam schedule and can delete the older exam schedules.

5. Manage Daily Attendance

The attendance module holds the commands for entering attendance status for a particular student of a particular class for a particular day

6. Manage Subject

The subject module adds subjects with respect to the class. And can be able to edit or update if required.

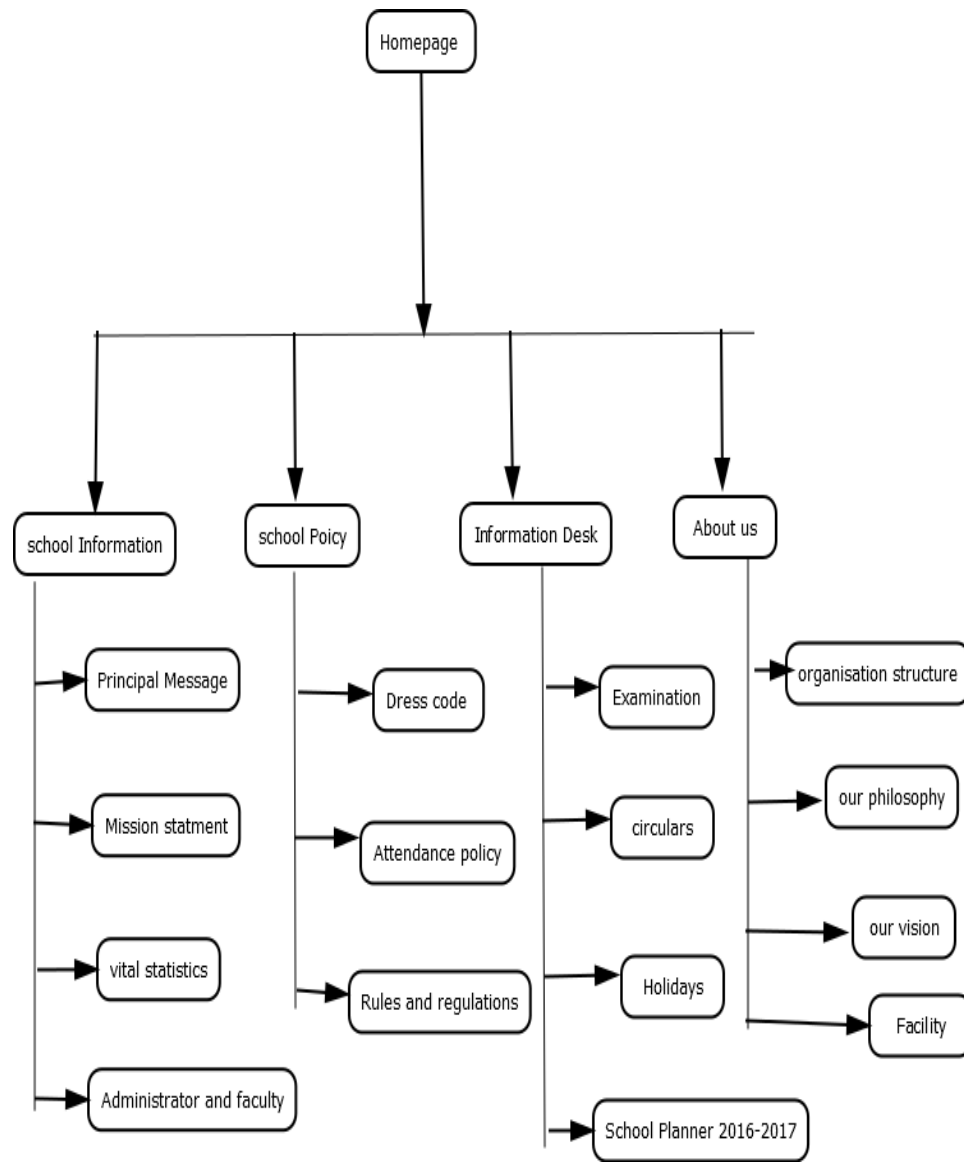
7. Manage Class

The class module has the ability to add class, edit or update class. It also can create class routine and can update it. It also has power to delete class and class routine.

8. Manage Invoice/Payment

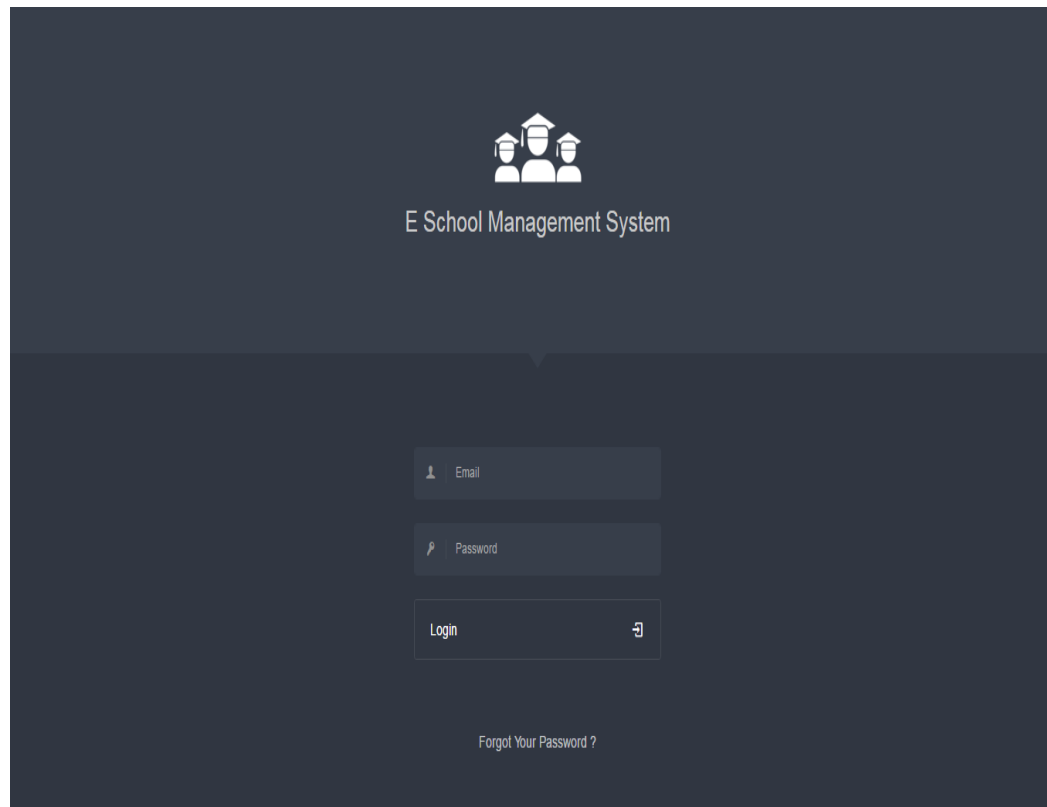
The manage invoice module deals with school fees paid by student. It has the ability to generate report/invoice in printable format.

3.12 Web Site Map Diagram



3.13 User Interface Design

Login Page



DESCRIPTION

Login page, the first screen appears after entering the url. This allows user to login into system.

E-School Management System

Admin Dashboard

The screenshot displays the Admin Dashboard for the E-School Management System. The interface includes a sidebar menu on the left with various navigation options such as dashboard, student, teacher, Parents, class, subject, class routine, Daily Attendance, exam, payment, Accounting, library, transport, dormitory, noticeboard, Message, settings, and account. The main content area features an 'admin dashboard' section with an 'Event Schedule' calendar for April 2016. The calendar shows dates from 28 to 8, with a red box indicating 'Unit test -1 Timetable (start from 6 april 2016)' on the 6th. The right-hand column contains four summary cards: '10 student' (Total students), '6 teacher' (Total teachers), '10 parent' (Total parents), and '0 attendance' (Total present student today). The footer of the dashboard includes the copyright notice: '© 2016 E School Management System. Developed by Reotrix Technology pvt ltd'.

DESCRIPTION

Admin can control all information and functionalities from admin dashboard.

E-School Management System

Manage Invoice

The screenshot displays the 'Manage Invoice' page within the E-School Management System. The interface includes a dark sidebar on the left with navigation options such as 'dashboard', 'student', 'teacher', 'Parents', 'class', 'subject', 'class routine', 'Daily Attendance', 'exam', 'payment', 'Accounting', 'library', 'transport', 'dormitory', 'noticeboard', 'Message', 'settings', and 'account'. The main content area is titled 'E School Management System' and shows the user 'admin' with a 'Log Out' link. The 'manage invoice/payment' section contains two tabs: 'invoice/payment list' and 'add invoice/payment'. The 'add invoice/payment' tab is active, showing a form with two columns: 'Invoice Informations' and 'Payment Informations'. The 'Invoice Informations' column includes fields for 'student' (a dropdown menu showing 'class seven std. - roll 701 - Prajot Adgokar'), 'title', 'description', and 'date'. The 'Payment Informations' column includes fields for 'Total' (with a placeholder 'Enter Total Amount'), 'payment' (with a placeholder 'Enter Payment Amount'), 'status' (a dropdown menu showing 'paid'), and 'Method' (a dropdown menu showing 'Cash'). A blue 'add invoice' button is located below the form. At the bottom of the page, there is a copyright notice: '© 2016 E School Management System. Developed by Reotrix Technology pvt ltd'.

DESCRIPTION

Admin can be able to manage invoice record here.

E-School Management System

Invoice/Payment list

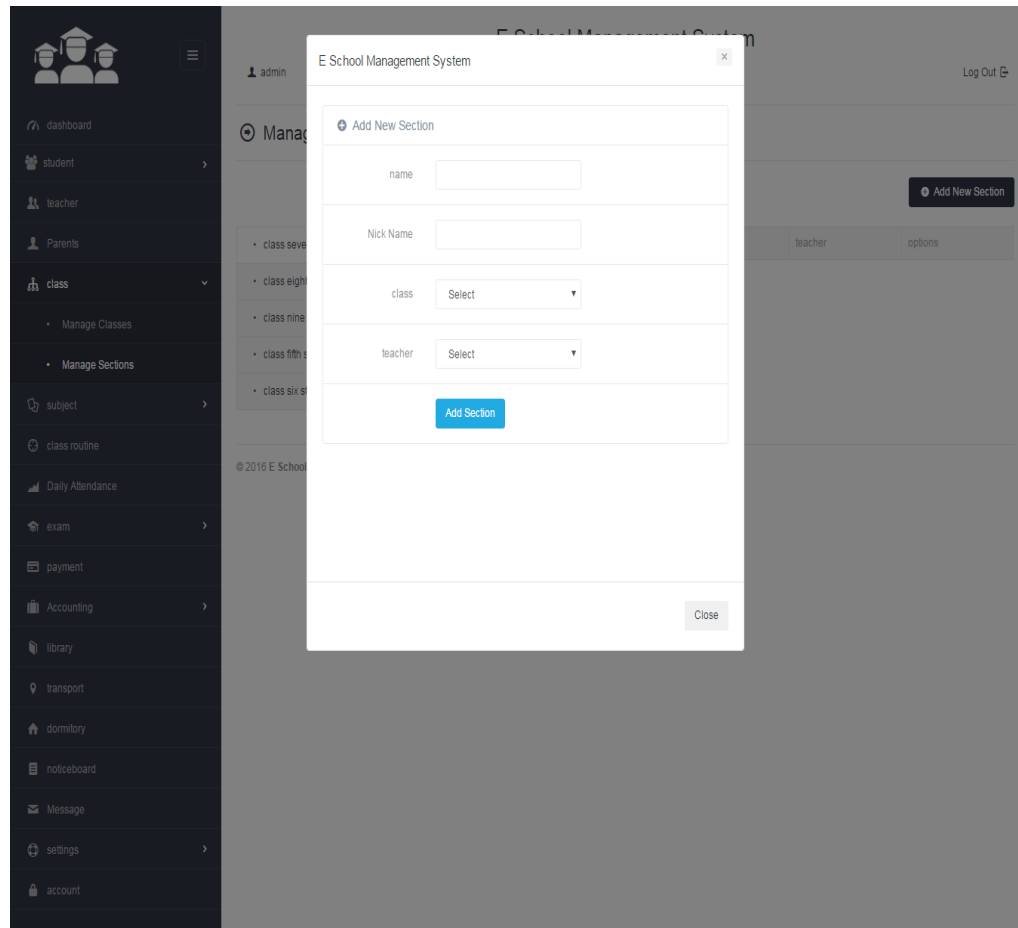
The screenshot displays the 'manage invoice/payment' section of the E School Management System. The sidebar menu on the left lists various system components, with 'payment' highlighted. The main content area shows a table of payment records with columns for student, title, total, paid, status, date, and options. The table contains three entries, all with a 'paid' status. A search bar and pagination controls are also visible.

student	title	Total	paid	status	date	options
Ishwar dhote	fees	15000	15000	paid	08 Apr,2016	Action
Prajot Adgokar	fees	10000	10000	paid	08 Mar,2016	Action
Rasika Atul Pitale	fees	20000	20000	paid	04 Apr,2016	Action

DESCRIPTION

This is the screen which shows list of payments made by different students to the admin.

Add New Section



The screenshot displays the E-School Management System interface. A modal window titled "E School Management System" is open, showing the "Add New Section" form. The form includes the following fields:

- name:
- Nick Name:
- class:
- teacher:

Below the form is a blue "Add Section" button. At the bottom right of the modal is a "Close" button. The background shows a sidebar menu with options like dashboard, student, teacher, Parents, class, subject, class routine, Daily Attendance, exam, payment, Accounting, library, transport, dormitory, noticeboard, Message, settings, and account. The main content area shows a "Manage" section with a list of classes and a table with columns for "teacher" and "options".

DESCRIPTION

New class section (i.e. new section of same class) can be added by admin.

Private Message

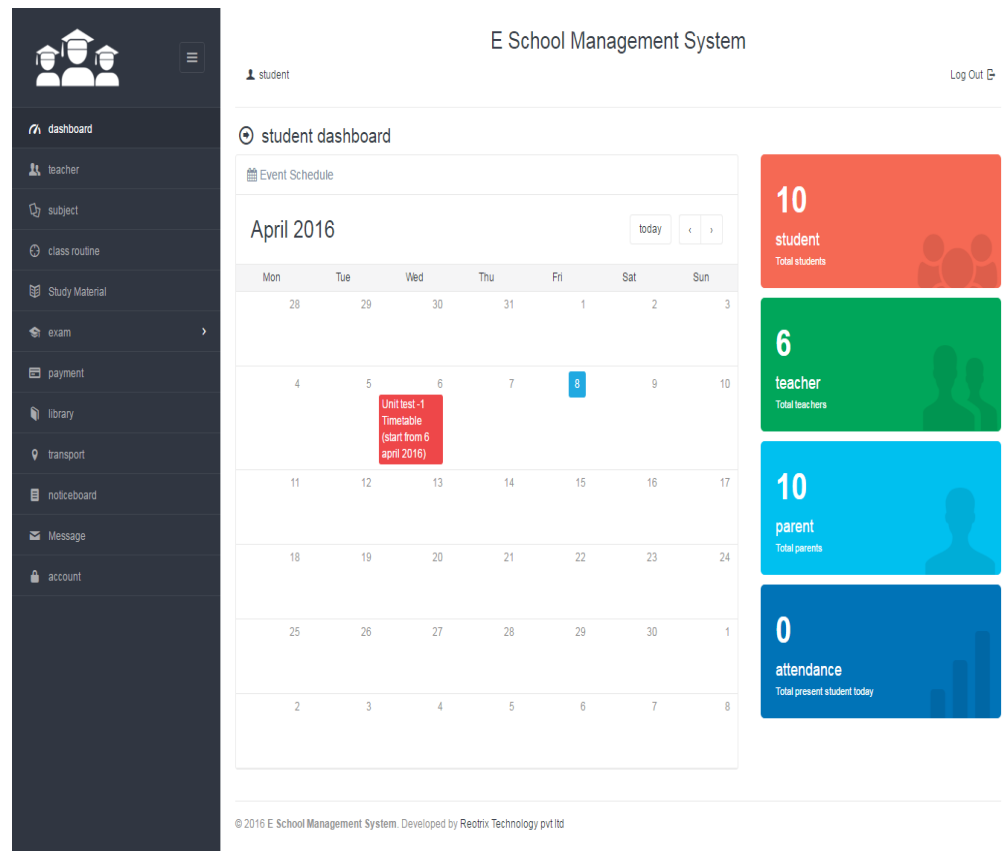
The screenshot displays the 'Private Messaging' section of the E-School Management System. On the left is a dark sidebar with navigation options: dashboard, teacher, subject, class routine, Study Material, exam, payment, library, transport, noticeboard, Message (highlighted), and account. The main content area shows the user is logged in as 'student' and is in the 'Private Messaging' section. A 'New Message' button is visible. The 'Write New Message' form includes a 'Recipient' dropdown menu with a search bar, currently showing a list of users: 'admin' (- Mr. Admin) and 'teacher' (- sneha deshmukh, - madhuri deshpande, - Rohit deshpande, - darineeti joshi). A 'Send' button is located at the bottom right of the form. The footer contains the text: '© 2016 E. School Management System. Developed by Reotrix Technology pvt ltd'.

DESCRIPTION

Student can message teacher or admin. The message is totally private. Only respective student and teacher or admin can be able to see the messages.

E-School Management System

Student Dashboard



DESCRIPTION

This is the place where student can interact with the system. Student is not allowed to make any changes to the system. She/he can only check the notifications, daily schedule etc.

Manage Class

The screenshot displays the 'Manage Class' interface of the E-School Management System. On the left is a dark sidebar menu with icons and text for various system functions: dashboard, student, teacher, Parents, class, subject, class seven std., class eight std., class nine std., class fifth std., class six std., class routine, Daily Attendance, exam, payment, Accounting, library, transport, dormitory, noticeboard, Message, settings, and account. The main content area has a header 'E School Management System' and a user profile 'admin' with a 'Log Out' link. Below the header is a 'manage class' section with two tabs: 'class list' and 'add class'. The 'add class' tab is active, showing a form with three input fields: 'name', 'name numeric', and 'teacher' (a dropdown menu currently showing 'sneha deshmukh'). A blue 'add class' button is positioned below the form. At the bottom of the page, a copyright notice reads: '© 2016 E School Management System. Developed by Reotrix Technology pvt ltd'.

DESCRIPTION

All available class information shown and manipulated on manage class screen.

Add Subject

The screenshot shows the 'Add Subject' form in the E-School Management System. The interface includes a dark sidebar on the left with a navigation menu. The main content area is titled 'manage subject' and contains a form with the following fields:

- name:** A text input field.
- class:** A dropdown menu with 'seven std.' selected.
- teacher:** A dropdown menu with 'sneha deshmukh' selected.
- add subject:** A blue button to submit the form.

At the bottom of the page, there is a copyright notice: © 2016 E School Management System. Developed by Reotix Technology pvt ltd.

DESCRIPTION

New subject can be added.

E-School Management System

Add Class Routine

The screenshot shows the 'Add Class Routine' form in the E-School Management System. The interface includes a dark sidebar with navigation options like 'dashboard', 'student', 'teacher', 'Parents', 'class', 'subject', 'class routine', 'Daily Attendance', 'exam', 'payment', 'Accounting', 'library', 'transport', 'dormitory', 'noticeboard', 'Message', 'settings', and 'account'. The main content area is titled 'manage class routine' and contains a form with the following fields:

- class: select class
- subject: Select Class First
- day: sunday
- starting time: 0 (with a sub-field for am)
- ending time: 0 (with a sub-field for am)

An 'add class routine' button is located at the bottom of the form. The footer of the page reads: © 2016 E School Management System. Developed by Reotrix Technology pvt ltd.

DESCRIPTION

Admin will add new class routine.

Notice board

The screenshot shows the 'Noticeboard' section of the E School Management System. On the left is a dark sidebar with navigation options: dashboard, teacher, subject, class routine, Study Material, exam, payment, library, transport, noticeboard (highlighted), Message, and account. The main content area has a header 'E School Management System' and a user profile 'student' with a 'Log Out' link. Below the header is a 'noticeboard' section with a 'noticeboard list' tab. The list shows one entry with a table structure:

#	title	notice	date
1	Unit test-1 Timetable (start from 6 april 2016)	6 April - 8 am-10 am- English test paper 11 am -12 am - Math test paper 7th April- 8 am-10 am- Marathi test paper 11 am -12 am - Hindi test paper 8th april- 8 am-10 am- History test paper 11am -12am - geography test paper	06 Apr,2016

Below the table, it says 'Showing 1 to 1 of 1 entries' with pagination controls. At the bottom, there is a copyright notice: '© 2016 E School Management System. Developed by Reotrix Technology pvt ltd'.

DESCRIPTION

All the important notices by teacher or admin are displayed. And student can see all the notices and any kind of updates here.

E-School Management System

Add Exam

The screenshot displays the 'Add Exam' interface within the E-School Management System. On the left is a dark sidebar with a navigation menu containing items like 'dashboard', 'student', 'teacher', 'Parents', 'class', 'subject', 'class routine', 'Daily Attendance', 'exam' (expanded to show 'exam list', 'Exam Grades', 'manage marks', 'Send Marks By Sms'), 'payment', 'Accounting', 'library', 'transport', 'dormitory', 'noticeboard', 'Message', 'settings', and 'account'. The main content area is titled 'E School Management System' and shows the user 'admin' with a 'Log Out' link. Below this is a 'manage exam' section with tabs for 'exam list' and 'add exam'. The 'add exam' tab is active, showing a form with three input fields: 'name', 'date', and 'comment'. A blue 'add exam' button is positioned below the 'comment' field. At the bottom of the page, a copyright notice reads: '© 2016 E School Management System. Developed by Reotrix Technology pvt ltd'.

DESCRIPTION

Add new exam.

E-School Management System

3.14 Data Dictionary

<i>Sr.No</i>	<i>Field Name</i>	<i>Data Type</i>	<i>Description</i>
1	address	nvarchar(30)	Student home address
2	address	nvarchar(30)	Parents address
3	address	nvarchar(30)	Teacher address
4	admin_id	int (2)	Primary key of Admin table
5	attendance_id	int(2)	Primary key of Attendance table
6	birthday	date	Student date of birth
7	birthday	date	Teacher date of birth
8	class strength	int(2)	Number of students in class
9	class teacher id	int(2)	Primary key[teacher],foreign key[attendance, class, subject]
10	class_id	int (2)	Primary key [Class],foreign key [subject, class_routine,student, mark]
11	class_routine_id	int(2)	Primary key [Class routine]
12	comment	varchar(50)	Description about student performance
13	create timestamp	int(2)	timestamp
14	date	date(-)	Attendance date
15	date	date(-)	Exam date
16	day	date time(-)	Class day

E-School Management System

17	Email	nvarchar(30)	Admin email address
18	email	nvarchar(30)	Student email
19	email	nvarchar(30)	Parents email address
20	email	nvarchar(30)	Teacher email address
21	exam schedule id	int(2)	Primary key [Exam schedule] foreign key[Mark]
22	exam_id	int(2)	Primary key [Exam] ,foreign key[Exam schedule]
23	from date	date(-)	Exam start date
24	gender	varchar(8)	Student gender
25	gender	varchar(8)	Teacher gender
26	mark _obtained	int(3)	Subject marks
27	mark _total	int(3)	Total marks
28	Name	varchar(25)	Admin name
29	Name	varchar(25)	Class name
30	Name	varchar(25)	Student name
31	name	varchar(25)	Parent name
32	name	varchar(25)	Teacher name
33	name	varchar(25)	Subject name
34	name	varchar(20)	Exam name
35	Name Numeric	nvarchar(5)	Numeric value of class
36	notice path	nvarchar(20)	Notice path
37	notice title	nvarchar(20)	Notice title
38	notice-id	int(2)	Primary key of Notice board table
39	parent_id	int(2)	Primary key [parent],foreign key[student]
40	password	nvarchar(10)	Unique password admin
41	password	nvarchar(15)	Student's unique password
42	password	nvarchar	Parents unique password

E-School Management System

43	password	nvarchar(20)	Teachers unique password
44	phone	int(10)	Student Home contact no
45	phone	int(10)	Parent mobile number
46	phone	int(10)	Teacher contact no
47	profession	varchar(20)	Parent profession
48	qualification	varchar(20)	Teacher qualification
49	Roll no	int(2)	Student roll no
50	status	varchar(2)	Attendance status of student
51	student_id	int(2)	Primary key [Student], Foreign key[attendance, class routine, mark]
52	subject	varchar(5)	Exam Subject
53	subject_id	int(2)	Primary key [Subject], Foreign key[class routine, mark]
54	time	time(-)	Exam time
55	time end	time(-)	Class end time
56	time start	time(-)	Class start time
57	To date	date(-)	Exam end date
58	total mark	int(3)	Total marks of exam

3.15 Table Specification

1) Admin

Column Name	Data type	Length	Constraints	Description
admin_id	int	2	Not Null	Primary key
Name	varchar	25	Not Null	Admin name
Email	nvarchar	30	Not Null	Email address
password	nvarchar	10	Not Null	Unique password

2) Class

Column Name	Data type	Length	Constraints	Description
class_id	int	2	Not Null	Primary key
Name	varchar	25	Not Null	Class name
Name Numeric	nvarchar	5	Not Null	Class numeric name
class_teacher_id	int	2	Not Null	Foreign key [Teacher]
class strength	int	2	Not Null	No. of students

E-School Management System

3) Student

Column Name	Data type	Length	Constraints	Description
student_id	int	2	Not Null	Primary key
Name	varchar	25	Not Null	Student name
birthday	date	–	Not Null	Student date of birth
gender	varchar	8	Not Null	Student gender
address	nvarchar	30	Not Null	Home address
phone	int	10	Not Null	Home contact no.
email	nvarchar	30	Not Null	Email address
password	nvarchar	15	Not Null	unique password
class_id	int	2	Not Null	
parent_id	int	2	Not Null	Foreign_key [parent]
Roll no	int	2	Not Null	School roll no.

E-School Management System

4) Parent

Column Name	Data type	Length	Constraints	Description
parent_id	int	2	Not Null	Primary key
name	varchar	25	Not Null	Parent name
email	nvarchar	30	Not Null	parent email address
password	nvarchar	10	Not Null	unique password
phone	int	10	Not Null	Contact number
address	nvarchar	30	Not Null	Permanent address
profession	varchar	20	Not Null	Parent Profession

5) Teacher

Column Name	Data type	Length	Constraints	Description
class teacher_id	int	2	Not Null	Primary key
name	varchar	25	Not Null	Teacher name
birthday	date	–	Not Null	Teacher date of birth

E-School Management System

gender	varchar	8	Not Null	Teacher gender
address	nvarchar	30	Not Null	Teacher home address
phone	int	10	Not Null	Contact no.
email	nvarchar	30	Not Null	Email address
password	nvarchar	20	Not Null	unique password
qualification	varchar	20	Not Null	Teacher qualification

6) Subject

Column Name	Data type	Length	Constraints	Description
subject_id	int	2	Not Null	Primary key
name	varchar	25	Not Null	Subject name
class_id	int	2	Not Null	Foreign key [class]
class teacher_id	int	2	Not Null	Foreign key [teacher]

E-School Management System

7) Attendance

Column Name	Data type	Length	Constraints	Description
attendance_id	int	2	Not Null	Primary key
status	varchar	2	Not Null	Attendance status
student_id	int	2	Not Null	Foreign key [student]
date	date	–	Not Null	Attendance date
class teacher id	int	2	Not Null	Foreign key[teacher]

8) Class routine

Column Name	Data type	Length	Constraints	Description
class_routine_id	int	2	Not Null	Primary key
class_id	int	2	Not Null	Foreign key [class]
subject_id	int	2	Not Null	Foreign key [subject]
time start	time	–	Not Null	Class start time
time end	time	–	Not Null	Class end time

E-School Management System

day	date time	_	Not Null	Class day
-----	--------------	---	----------	-----------

9) Exam

Column Name	Data type	Length	Constraints	Description
exam_id	int	2	Not Null	Primary key
name	varchar	20	Not Null	Exam name
from date	date	_	Not Null	Exam start date
To date	date	_	Not Null	Exam end date
class_id	int	2	Not Null	Foreign key [class]

10) Mark

Column Name	Data type	Length	Constraints	Description
student_id	int	2	Not Null	Foreign key [student]
subject_id	int	2	Not Null	Foreign key [subject]
exam-schedule_id	int	2	Not Null	Foreign key [exam schedule]

E-School Management System

mark _obtained	int	3	Not Null	Marks in a subject
mark _total	int	3	Not Null	Total of all subjects
comment	varchar	50	Not Null	Comment on marks

11) Notice board

Column Name	Data type	Length	Constraints	Description
notice-id	int	2	Not null	Primary key
notice title	nvarchar	20	Not null	Title of notice
notice path	nvarchar	20	Not null	Notice path
create timestamp	int	2	Not null	Notice time

12) Exam schedule

Column Name	Data type	Length	Constraints	Description
exam schedule id	int	2	Not null	Primary key
exam_id	int	2	Not null	Foreign key [exam]

E-School Management System

date	date	_	Not null	Exam date
subject	varchar	5	Not null	Subject of exam
time	time	_	Not null	Exam time
total mark	int	3	Not null	Marks of exam

3.16 Test Procedure and implementations

Definition:

A test case is simply a test with formal steps and instructions; test cases are valuable because they are repeatable, reproducible under the same environments, and easy to improve upon with feedback.

A test case is a detailed procedure that fully tests a feature or an aspect of a feature. Whereas the test plan describes what to test, a test case describes how to perform a particular test.

Unit Testing

This testing focuses verification on the module. Using procedural design description as a guide; important control paths are tested to uncover errors within the boundaries of the module. The relative complexity of tests and uncovered errors is limited by the constraints scope established for the unit testing. The unit testing can be conducted in parallel for the several modules.

Integration Testing

Generally a combined approach known as sandwich testing using features of top down testing strategy for the upper levels of the program structure, coupled with the bottom up strategy for subordinate modules.

Functional Testing

This is done for each module and sub module of the system.

Functional testing serves as a means of validation whether the functionality of the system confirms the original user requirements i.e. does the module do what is supposed to do. The separate schedules were made for functional testing.

System Testing

System testing is done when the entire system has been fully integrated. The purpose of the system testing is to test how the different modules interact with each other and whether the system provides the functionality that was expected.

Test Procedure:

1. Create a test plan.
2. Plan the test lab.
3. Design the test lab.
4. Develop the test lab.
5. Design the test cases.
6. Conduct the tests.

E-School Management System

Test Case: 1

Test Case Name: User Login Page

Test no	Step to be executed	Test values	Expected result	Actual result	status
1	User id and password	User id="test" and password = "test"	Home screen will appear	Home page appear	pass
2	User id and password	User id="" and password = "test"	Error message	Error message	pass
3	User id and password	User id="test" and password = ""	Error message	Error message	pass
4	User id and password	User id="" and password = ""	Error message	Error message	pass

E-School Management System

Test Case: 2

Test Case Name: Administrator Home Page

Test no	Step to be executed	Test values	Expected result	Actual result	status
1	After logging in as administrator	Check whether admin home page open or not	Make sure that administrator home page should open	The administrator home page is opening	pass
2	Click on student admission form	Check whether student admission form open or not	Make sure student admission form should open	Student admission form is opened	pass
3	Click on teacher form	Check whether teacher information form open or not	Make sure teacher information form should open	Teacher information form is opened	pass
4	Click on logout link	Check whether logout successful or not	Make sure you are logged out	Administrator logged out	pass

E-School Management System

Test Case: 3

Test Case Name: Teacher Home Page

Test no	Step to be executed	Test values	Expected result	Actual result	status
1	After logging in as teacher	Check whether teacher home page open or not	Make sure that the teacher home page should open	teacher home page should opening	pass
2	Click on notice board link	Check whether notice board page open or not	Make sure that the notice board page should open	Notice board page should opening	pass
3	click on update student attendance	Check whether update student attendance or not	Make sure that the update student attendance	Updated student attendance successfully	pass
4	Click on allocated subject	Check whether allocated subject display or not	make sure that the allocated subjects are display or not	Allocated subject are display	pass

E-School Management System

Test Case: 4

Test Case Name: Parent Home Page

Test no	Step to be executed	Test values	Expected result	Actual result	status
1	After logging in as parent	Check whether parent home page open or not	Make sure that the parent home page should open	parent home page should opening	pass
2	Click on notice board link	Check whether notice board page open or not	Make sure that the notice board page should open	Notice board page should opening	pass
3	click on attendance	Check whether children attendance display or not	Make sure that the children attendance display	Display children attendance	pass
4	Click on mark	Check whether children mark are display or not	make sure that the children mark are display or not	Display children marks	pass

E-School Management System

Test Case: 5

Test Case Name: Student Home Page

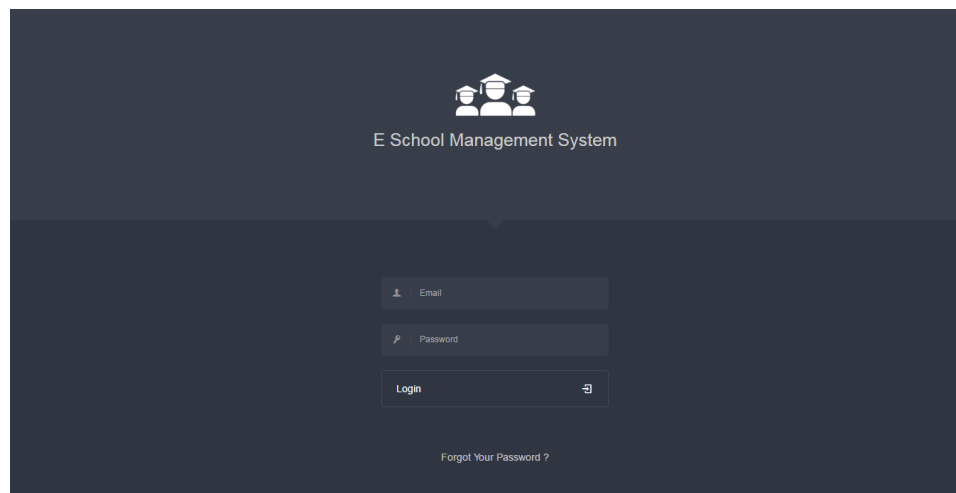
Test no	Step to be executed	Test values	Expected result	Actual result	status
1	After logging in as student	Check whether student home page open or not	Make sure that the student home page should open	student home page should opening	pass
2	Click on notice board link	Check whether notice board page open or not	Make sure that the notice board page should open	Notice board page should opening	pass
3	click on view teacher information	Check whether teacher information display or not	Make sure that the teacher information should display	Display teacher information	pass
4	Click on view subject	Check whether subject display or not	make sure that the subject are display or not	Display subject	pass
5	Click on logout link	Check whether student is log out or not	Student should be logged out	Student is logged out	pass

CHAPTER 4: USER MANUAL

4.1 User Manual

E school Management System is a web-based application, which is designed mainly for parents and students. It is way easy to handle.

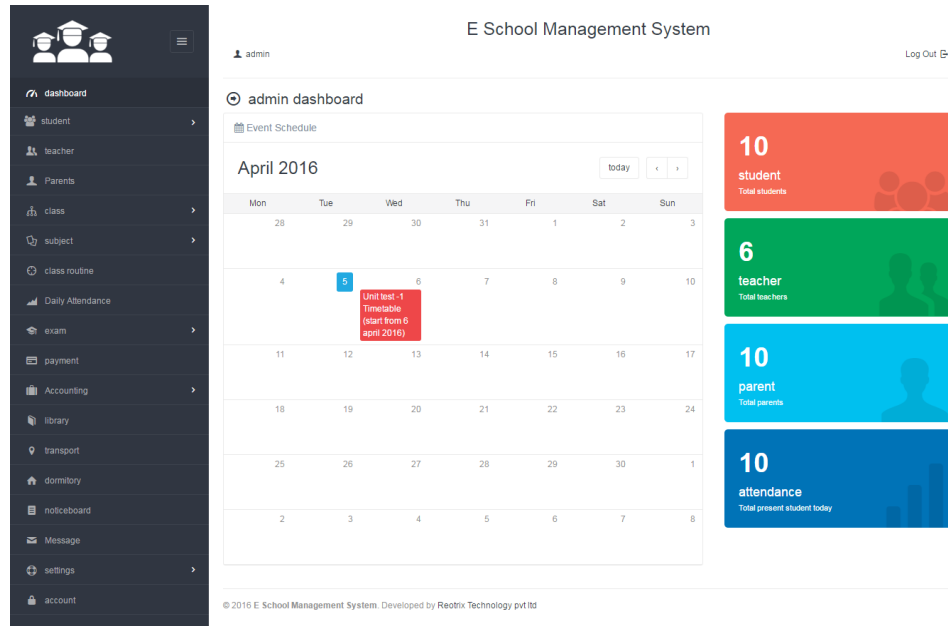
When user opens the website, he/she will be provided login screen, which is shown below



According to the username and password, a user can log in into the system as a student, as a teacher, or as a parent or as an admin. Each of this personality will be provide separate and unique username and passwords.

E-School Management System

Admin is the one who can make changes in the system. After logged in into system as an admin, he/she can see an admin dashboard



This is the workspace of admin. Admin have control to all over the information and functionalities.

For example, admin can see information entered by the students and can add or delete them from the system.

E-School Management System

The screenshot displays the E-School Management System interface. On the left is a dark sidebar with a navigation menu including: dashboard, student (with sub-items: Admit Student, Admit Bulk Student, Student Information), class seven std, class eight std (selected), class nine std, class 10th std, class six std, Student Mark Sheet, teacher, Parents, class, subject, class routine, Daily Attendance, exam, payment, Accounting, library, transport, dormitory, noticeboard, Message, settings, and account. The main content area is titled "E School Management System" and shows the user "admin" with a "Log Out" link. Below the title is "Student Information - class : eight std." and a button to "Add New Student". A table lists students in "Section Eight (A)". The table has columns for roll, photo, name, address, email, and options. It contains five entries (BD1 to BD5) with their respective details. At the bottom of the table, it says "Showing 1 to 5 of 5 entries". A footer note reads "© 2016 E School Management System. Developed by Redix Technology Pvt Ltd".

roll	photo	name	address	email	options
BD1		Rasika Abhi Pitale	mayur colony ,kothrud	rasika.pitale@gmail.com	Action
BD2		Pranita Mahadevan Deshmukh	waarje pune	pranita.deshmukh@gmail.com	Action
BD3		shalish suresh patil	ekla colony,kothrud	shalish.patil@gmail.com	Action
BD4		ajinaya jadhav	shivaji nagar,pune	ajinaya.jadhav@gmail.com	Action
BD5		Amit Sanket Patil	mayur colony ,kothrud	amit.patil@mail.com	Action

This screen shows the students of particular class. Admin can update or delete particular information from here.

Like admin, students also have their work space available in the system. And that is student dashboard. It is shown in next screen.

E-School Management System

The screenshot displays the 'E School Management System' interface for a student. The top navigation bar includes the user's role ('student') and a 'Log Out' option. The main content area is titled 'student dashboard' and features an 'Event Schedule' section for April 2016. The calendar shows a red box indicating a 'Unit test-1 Timetable (start from 6 april 2016)' on the 6th. To the right of the calendar are four summary cards: '10 student Total students', '6 teacher Total teachers', '10 parent Total parents', and '0 attendance Total present student today'. A dark sidebar on the left contains a menu with options: dashboard, teacher, subject, class routine, Study Material, exam, payment, library, transport, noticeboard, Message, and account. At the bottom, a copyright notice reads: '© 2016 E School Management System. Developed by Reotiv Technology pvt ltd'.

It is kind of same as admin in terms of looks, but the functionalities are way different.

For example, students can look after their progress and school routines by themselves.

E-School Management System

The screenshot displays the 'E School Management System' interface for a student. The left sidebar contains navigation options: dashboard, teacher, subject, class routine (selected), Study Material, exam, payment, library, transport, noticeboard, Message, and account. The main content area shows the 'manage class routine' section for 'Class 2'. The class routine is displayed as a table with days of the week and subjects for each day.

Day	Subjects
SUNDAY	
MONDAY	math (7-8), English (8-9), Marathi (10-11), Hindi (11-12)
TUESDAY	Marathi (7-8), geography (9-10), math (10-11), English (11-12)
WEDNESDAY	English (8-9), geography (9-10), History (10-11), math (11-12)
THURSDAY	Marathi (8-9), English (9-10), Hindi (10-11), math (11-12)
FRIDAY	English (9-10), geography (10-11)
SATURDAY	geography (8-9), math (9-10), History (11-12)

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The student can see their regular class routine as shown in the above screen.

The basic concept was to include parents into the system. So down here parents added by the admin into the system.

The screenshot displays the 'E School Management System' interface for an admin user. The left sidebar contains navigation options: dashboard, student, teacher, Parents (selected), class, subject, class routine, Daily Attendance, exam, payment, Accounting, library, transport, dormitory, noticeboard, Message, settings, and account. The main content area shows the 'All Parents' section. A table lists 10 parents with columns for name, email, phone, profession, and options. A search bar and export options (Excel, PDF, Print) are also visible.

#	name	email	phone	profession	options
1	Prashant Suresh Jadhav	prashant.jadhav@gmail.com	9730753785	Software Engineer	Action
2	Ashok shamrao Adgokar	ashok.adgokar@gmail.com	9403194115	Govt. Servant	Action
3	Shankar Mahadevrao Chole	shankar.chole@gmail.com	9945051245	Govt. Servant	Action
4	Vijay Mahesh Kothhe	vijay.kothhe@gmail.com	8087164512	Teacher	Action
5	Pravin Ashok Deshpande	pravin.deshpande@gmail.com	8087458595	Mechanical Engineer	Action
6	Sanket Vijay Patil	sanket.patil@gmail.com	7076808752	Software Engineer	Action
7	Atul Ramesh Pitale	atul.pitale@gmail.com	9965543345	Business	Action
8	Mahadev Shankar Deshmukh	mahadev.deshmukh@gmail.com	7677675567	Professor	Action
9	Shushant Ravi Shelkar	shushant.shelkar@gmail.com	9977556644	Doctor	Action
10	Suhas Mangesh Patil	suhas.patil@gmail.com	7788234562	Teacher	Action

Showing 1 to 10 of 10 entries

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E-School Management System

E School Management System

parent Log Out

manage marks

unit test 1 (24/09/2016)

class	subject	Total Mark	mark obtained	comment
-------	---------	------------	---------------	---------

Rasika Atul Pitale

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And then, parents can see their child's progress like marks.

On the final node, teacher can mark and update daily attendance.

E School Management System

teacher Log Out

Manage Daily Attendance

Select Date: 5 | Select Month: april | Select Year: 2016 | select class: Select a class | Manage Attendance

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4.2 Operations Manual

Operations are specified below:-

1. Admin

- Admin can add, update and delete student.
- Admin is the one who can update all the notifications and reports.
- Admin can add and update teacher into the system.
- Can add, delete and update parents.
- Can upload assignments for student.
- Updates the class routine and exam schedule.

2. Student

- Student can see the class routine.
- Student can be able to see notifications and exam schedules.
- Student can check respective subject teacher.

E-School Management System

- They can see their own marks.

3. Parent

- Parent can check progress of their child.
- They can see child's marks (subject wise and total).
- They can check notifications and messages by admin.
- Parents can see class routine and exam schedule of their child.

4. Teacher

- Teacher can mark the daily attendance of students.
- Teacher can upload assignments.
- Teacher can see all students' marks.
- Teacher can see class routine.

4.3 Program Specification

Manage Student

Module	Manage student
Program Name	Add student
Purpose	Add new Student
Input Details	The required field should not be null and details should get stored.
Output	Student details are stored in student table. Student will get username and password

Manage Parent

Module	Manage parent
Program Name	Add Parent
Purpose	Add New Parent
Input Details	The required field should not be null and Parent details should get stored.
Output	Parent details are stored in parent table. The parent

E-School Management System

	will get an username and password
--	-----------------------------------

Manage Teacher

Module	Manage Teacher
Program Name	Add Teacher
Purpose	Add new Teacher
Input Details	The required field should not be null and Teacher details should get stored.
Output	Teacher details are stored in Teacher table. The teacher will get an username and password

Manage class

Module	Manage class
Program Name	Add Class
Purpose	Add new Class
Input Details	The required field should not be null and class details should get stored.

E-School Management System

Output	Class details are stored in class table.
--------	--

Manage Exam

Module	Manage Exam
Program Name	Add Exam details
Purpose	Add new Exam details
Input Details	The required field should not be null and exam details should get stored.
Output	Exam details are stored in Exam table.

Manage notice board

Module	Manage notice board
Program Name	Add notification on notice board
Purpose	Add new notification
Input Details	The required field should not be null and notification details should get stored and notice board should be updated.

E-School Management System

Output	Notice board details are stored in notice board table. The user will see updated notification message .
--------	--

DRAWBACKS AND LIMITATIONS

E-School Management System

Drawbacks and Limitations of the System:

1. All rights are reserved with the administration.
2. The user cannot edit anything at the system.
3. Only the registered user can perform login.
4. The user can only update the reports, student's information at the system.
5. The user needs anything then, he/she has to request to admin.

E-School Management System

PROPOSED ENHANCEMENT

Proposed Enhancements

This module has some limitations. These can be overcome and also make some enhancement in this project.

- ✚ The generation of SMS service can be carried out.
- ✚ The user can update their requirements and information via mobile.
- ✚ An updating mail can be sent to parents for notice and for results.
- ✚ Centralized admission process for the student admission.

E-School Management System

CONCLUSION

E-School Management System

Conclusion

The E school management system becomes the way of connection between parents and teachers. It breaks the tradition where parents had to meet teachers for student report and progress.

Now days, school students are more interested in upcoming technologies and can understand it very quickly. So school management system provides them platform to have some little but way interesting and useful interaction while studying in school.

This system is basically designed to include parents. And parents can look after their child's progress and can interact with teachers from home or from workplace.

Teachers can add online assignments; keep the record of attendance and marks.

BIBLIOGRAPHY

E-School Management System

Bibliography

Books

- ✚ .NET PROGRAMMING (BLACK BOOK)
- ✚ HTML, DHTML, Ivan Bayross.
- ✚ ASP.NET in 21 days.
- ✚ Microsoft .NET Framework 2.0 window based client development.

Web references

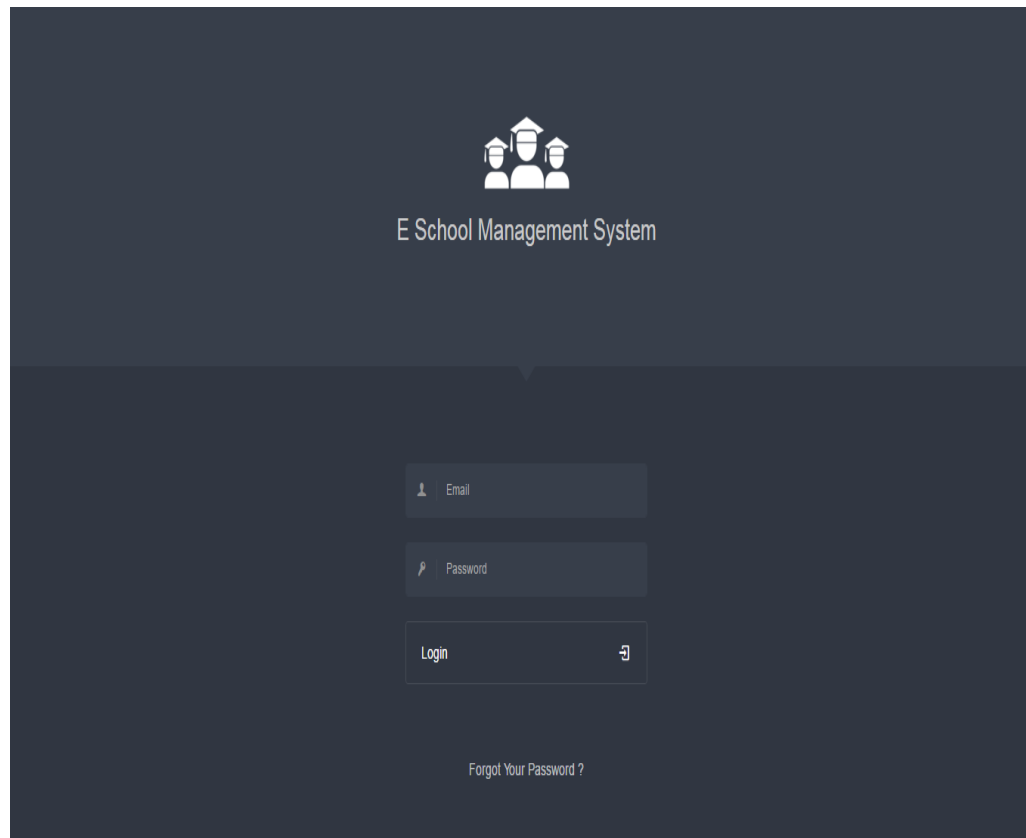
- ✚ <http://docs.embarcadero.com/>
- ✚ <http://asp.net-tutorials.com/>
- ✚ <http://www.asp.net/aspnet/overview/making-websites-with-aspnet/making-websites-with-aspnet>
- ✚ <https://msdn.microsoft.com/en-us/library/k4cbh4dh.aspx>
- ✚ <http://www.stackoverflow.com/>

ANNEXURES

E-School Management System

ANNEXURES 1: USER INTERFACE SCREENS



Login Screen



The screenshot displays the login interface for the E-School Management System. At the top center, there is a white icon of three people wearing graduation caps, with the text "E School Management System" below it. The background is a dark blue gradient. Below the header, there are three input fields: "Email" with a person icon, "Password" with a key icon, and a "Login" button with a right-pointing arrow icon. At the bottom center, there is a link that says "Forgot Your Password ?".

E-School Management System

Admin Dashboard



- dashboard
- student >
- teacher
- Parents
- class >
- subject >
- class routine
- Daily Attendance
- exam >
- payment
- Accounting >
- library
- transport
- dormitory
- noticeboard
- Message
- settings >
- account

E School Management System

admin Log Out

admin dashboard

Event Schedule

April 2016 today < >

Mon	Tue	Wed	Thu	Fri	Sat	Sun
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

Unit test -1
Timetable
(start from 6
april 2016)

10
student
Total students

6
teacher
Total teachers

10
parent
Total parents

0
attendance
Total present student today

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E-School Management System

Add Expenses Category

The screenshot displays the E-School Management System interface. A dark sidebar on the left contains a navigation menu with items such as dashboard, student, teacher, Parents, class, subject, class routine, Daily Attendance, exam, payment, Accounting (with sub-items Income, Expense, and Expense Category), library, transport, dormitory, noticeboard, Message, settings, and account. The main content area is titled 'E School Management System' and shows a user profile for 'admin' and a 'Log Out' link. A modal window titled 'E School Management System' is open, featuring a form to 'Add Expense Category'. The form includes a text input field labeled 'name' containing the text 'class decorator' and a blue button labeled 'Add Expense Category'. A 'Close' button is located at the bottom right of the modal. In the background, a table with columns for '#', 'Action', and 'options' is visible, along with a search bar and pagination controls.

E-School Management System

Add Expenses

The screenshot displays the 'Add Expense' modal form within the E-School Management System. The form is titled 'Add Expense' and contains the following fields:


- title:** accessories
- Category:** Exam Accessories
- description:** expenses for class accessories
- amount:** 10000
- Method:** Cash
- date:** 04/08/2016

At the bottom of the form, there is a blue 'Add Expense' button and a 'Close' button.

The background shows the system's sidebar with a navigation menu including: dashboard, student, teacher, Parents, class, subject, class routine, Daily Attendance, exam, payment, Accounting (Income, Expense, Expense Category), library, transport, dormitory, noticeboard, Message, settings, and account. The main content area is partially visible, showing a table with columns for '#', '^', and 'title', and a row with '1' and 'salary'.

E-School Management System

List of Expenses

admin

E School Management System

Log Out

Expenses

Add New Expense

10 per page

Excel PDF Print Search:


#	title	Category	Method	amount	date	options
1	accessories	Exam Accessories	Cash	10000	08 Apr,2016	Action
2	Book purchase	Inventory Purchase	Cash	6000	08 Apr,2016	Action
3	annual school day	Classroom Decorations	Cash	8000	08 Apr,2016	Action
4	lab equipments	Classroom Equipments	Card	10000	08 Apr,2016	Action
5	salary	Teacher Salary	Check	8000	08 Mar,2016	Action

Showing 1 to 5 of 5 entries

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E-School Management System

Manage invoice/Payment

 ☰

dashboard

student >

teacher

Parents

class >

subject >

class routine

Daily Attendance

exam >

payment

Accounting >

library

transport

dormitory

noticeboard

Message

settings >

account

E School Management System

admin Log Out

manage invoice/payment

invoice/payment list add invoice/payment


Invoice Informations		Payment Informations	
student	class seven std. - roll 702 - ishwar dhote	Total	15000
title	fees	payment	15000
description	admission fees	status	paid
date	04/08/2016	Method	Cash

add invoice

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E-School Management System

List of Invoice

student

Log Out

manage invoice/payment

invoice/payment list

10 per page Search:


student	title	description	amount	status	date	options
Ishwar dhote	fees	admission fees	15000	paid	08 Apr 2016	Pay with paypal

Showing 1 to 1 of 1 entries

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E-School Management System

Manage invoice/payment

admin

E School Management System

Log Out

manage invoice/payment

invoice/payment list add invoice/payment

10 per page Search:

student	title	Total	paid	status	date	options
Ishwar dhole	fees	15000	15000	paid	08 Apr,2016	Action
Prajot Adgokar	fees	10000	10000	paid	08 Mar,2016	Action
Rasika Abul Pitale	fees	20000	20000	paid	04 Apr,2016	Action

Showing 1 to 3 of 3 entries

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E-School Management System

Invoice

The screenshot displays the E-School Management System interface. A dark sidebar on the left contains a navigation menu with items: dashboard, student, teacher, Parents, class, subject, class routine, Daily Attendance, exam, payment, Accounting, library, transport, dormitory, noticeboard, Message, settings, and account. The main content area shows a modal window titled "E School Management System" with a "Print Invoice" button. The modal contains the following information:

Creation Date : 08 Apr,2016
title : fees
description : admission fees
status : paid

payment to
E School Management System
pune, maharashtra
+8012654159

bill to
Ishwar dhote
class seven std.
roll - 702

Total Amount : 15000
Paid Amount : 15000

Payment History

date	amount	Method
08 Apr, 2016	15000	Cash

The background interface shows a "manage" section with a search bar and a table with columns "date" and "options". The table contains three rows of data with dates: 08 Apr,2016, 08 Mar,2016, and 04 Apr,2016, each with an "Action" dropdown menu. A "Log Out" link is visible in the top right corner.

E-School Management System

Add Section

The screenshot displays the 'E School Management System' interface. A modal window titled 'E School Management System' is open, showing the 'Add New Section' form. The form contains the following fields:

- name: seven std
- Nick Name: seven (A)
- class: seven std.
- teacher: sneha desh mukh

Below the fields is a blue 'Update' button. At the bottom right of the modal is a 'Close' button. The background shows a sidebar menu with options like 'dashboard', 'student', 'teacher', 'Parents', 'class', 'subject', 'class routine', 'Daily Attendance', 'exam', 'payment', 'Accounting', 'library', 'transport', 'dormitory', 'noticeboard', 'Message', 'settings', and 'account'. The main content area shows a list of classes and a table with columns for 'options' and 'Action'.

E-School Management System

Add Teacher


The screenshot shows the 'Add Teacher' form in the E-School Management System. The form is a modal window with the following fields and content:

- add teacher** (modal title)
- name**: Ashish sureshrao Patil
- birthday**: 05/01/1990
- Gender**: male (dropdown menu)
- address**: mayur colony ,kothrud
- phone**: 7756451544
- email**: ashish.patil@gmail.com
- password**: [masked]
- photo**: [Image of a man pointing] with **Change** and **Remove** buttons
- add teacher** (blue button)
- Close** (button at the bottom right)

The background dashboard includes a sidebar with navigation items: dashboard, student, teacher, Parents, class, subject, class routine, Daily Attendance, exam, payment, Accounting, library, transport, dormitory, noticeboard, Message, settings, and account. The top right of the dashboard shows 'Log Out' and 'Add New Teacher' buttons.

E-School Management System

Manage Teacher

☰

[dashboard](#)

[student](#)

teacher

[Parents](#)

[class](#)

[subject](#)

[class routine](#)

[Daily Attendance](#)

[exam](#)

[payment](#)

[Accounting](#)

[library](#)

[transport](#)

[dormitory](#)

[noticeboard](#)

[Message](#)

[settings](#)

[account](#)

E School Management System

admin

Log Out







manage teacher

[Add New Teacher](#)

10 per page

Excel PDF Print

Search:

photo	name	email	options
	sneha deshmukh	sneha.deshmukh@gmail.com	Action
	madhuri deshpande	madhuri.deshpande@gmail.com	Action
	Rohit deshpande	rohit.deshpande@gmail.com	Action
	parineeti joshi	parineeti.joshi@gmail.com	Action
	Ashish sureshrao Patil	ashish.patil@gmail.com	Action
	aditya palei	aditya.palei@gmail.com	Action

Showing 1 to 6 of 6 entries

< 1 >

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E-School Management System

Add Parent

The screenshot displays the 'Add Parent' form in the E-School Management System. The form is a modal window with the following fields:

- name: Atul Ramesh Pitale
- email: atul.pitale@gmail.com
- password: [masked]
- phone: 9965543345
- address: mayur colony ,kothrud
- profession: business

Below the form is an 'add parent' button and a 'Close' button. The background shows a sidebar with navigation options and a table of parents.


#	name	email	phone	profession	options
1	Prashant			Software Engineer	Action
2	Ashok sh			Govt. Servant	Action
3	Shankar			Govt. Servant	Action
4	Vijay Ma			Teacher	Action
5	Pravin A			Mechanical Engineer	Action
6	Sanket V			Software Engineer	Action
7	Atul Ram			Business	Action
8	Mahadev			Professor	Action
9	Shushan			Doctor	Action
10	Suhas Mangesh Patil	suhas.patil@gmail.com	7788234562	Teacher	Action

Showing 1 to 10 of 10 entries

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E-School Management System

All Parents List

☰

- dashboard
- student
- teacher
- Parents**
- class
- subject
- class routine
- Daily Attendance
- exam
- payment
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

E School Management System

admin Log Out

All Parents

10 per page Excel PDF Print Search:

[Add New Parent](#)


#	name	email	phone	profession	options
1	Prashant Suresh Jadhav	prashantjadhav@gmail.com	9730753785	Software Engineer	Action
2	Ashok shamrao Adgokar	ashok.adgokar@gmail.com	9403194115	Govt. Servant	Action
3	Shankar Mahadevrao Dhole	shankar.dhole@gmail.com	9945051245	Govt. Servant	Action
4	Vijay Mahesh Kolhe	vijay.kolhe@gmail.com	8087164512	Teacher	Action
5	Pravin Ashok Deshpande	pravin.deshpande@gmail.com	8087458595	Mechanical Engineer	Action
6	Sanket Vijay Patil	sanket.patil@gmail.com	7076808752	Software Engineer	Action
7	Atul Ramesh Pitale	atul.pitale@gmail.com	9965543345	Business	Action
8	Mahadev Shankar Deshmukh	mahadevdeshmukh@gmail.com	7677675567	Professor	Action
9	Shushant Ravi Shelukar	shushant.shelukar@gmail.com	9977556644	Doctor	Action
10	Suhas Mangesh Patil	suhas.patil@gmail.com	7788234562	Teacher	Action

Showing 1 to 10 of 10 entries < 1 >

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E-School Management System

Manage Class

☰

- dashboard
- student
- teacher
- Parents
- class
 - Manage Classes
 - Manage Sections
- subject
- class routine
- Daily Attendance
- exam
- payment
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

E School Management System

admin

Log Out

manage class


class list add class

name	<input type="text" value="Eight"/>
name numeric	<input type="text" value="8"/>
teacher	<input type="text" value="sneha deshमुख"/>
<input type="button" value="add class"/>	

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E-School Management System

Class List

☰

- dashboard
- student
- teacher
- Parents
- class
 - Manage Classes
 - Manage Sections
- subject
- class routine
- Daily Attendance
- exam
- payment
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

E School Management System

admin Log Out

manage class

class list add class

10 per page Search:


#	class name	numeric name	teacher	options
1	seven std.	7	Ashish sureshrao Patil	Action
2	eight std.	8	sneha deshmukh	Action
3	nine std	9	madhuri deshpande	Action
4	fifth std	5	parineeti joshi	Action
5	six std	6	Rohit deshpande	Action

Showing 1 to 5 of 5 entries < 1 >

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E-School Management System

Add Subject



admin

Log Out

manage subject

subject list **add subject**

name

class


teacher

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- dashboard
- student
- teacher
- Parents
- class
- subject**
 - class seven std.
 - class eight std.**
 - class nine std
 - class fith std
 - class six std
- class routine
- Daily Attendance
- exam
- payment
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

E-School Management System

Subjects List

admin

E School Management System Log Out

manage subject

subject list add subject

10 per page Search:


class	subject name	teacher	options
eight std.	English	sneha deshmkh	Action
eight std.	Marathi	parineeti joshi	Action
eight std.	Hindi	Rohit deshpande	Action
eight std.	History	Ashish sureshrao Patil	Action
eight std.	math	madhuri deshpande	Action
eight std.	geography	aditya patel	Action

Showing 1 to 6 of 6 entries < 1 >

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E-School Management System

Notice Board

studentLog Out

noticeboard

noticeboard list

10 per page


#	title	notice	date
1	Unit test -1 Timetable (start from 6 april 2016)	6 April - 8 am-10 am- English test paper 11 am -12 am - Math test paper 7th April- 8 am-10 am- Marathi test paper 11 am -12 am - Hindi test paper 8th april- 8 am-10 am- History test paper 11am-12am - geography test paper	06 Apr,2016

Showing 1 to 1 of 1 entries

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E-School Management System

Private Message

student

E School Management System Log Out

Private Messaging

New Message Write New Message

Recipient

Select A User

Select A User

admin

- Mr. Admin

teacher



- sneha deshmukh
- madhuri deshpande
- Rohit deshpande
- parineeti ioshi

Send

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E-School Management System

Update Class Routine



- dashboard
- student
- teacher
- Parents
- class
- subject
- class routine**
- Daily Attendance
- exam
- payment
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

E School Management System

admin [Log Out](#)

manage class routine

class routine list **add class routine**


class	eight std.
subject	math
day	saturday
starting time	9 am
ending time	10 am

[add class routine](#)

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E-School Management System

Class Routine

admin

Log Out

manage class routine

[class routine list](#) [add class routine](#)

Class seven std.

Class eight std.

SUNDAY	
MONDAY	math (7-8) English (8-9) Marathi (10-11) Hindi (11-12)
TUESDAY	Marathi (7-8) geography (9-10) math (10-11) English (11-12)
WEDNESDAY	English (8-9) geography (9-10) History (10-11) math (11-12)
THURSDAY	Marathi (8-9) English (9-10) Hindi (10-11) math (11-12)
FRIDAY	English (9-10) geography (10-11)
SATURDAY	geography (8-9) math (9-10) History (11-12)

Class nine std.


Class fifth std.

Class six std.

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E-School Management System

Daily Attendance



- dashboard
- student
- teacher
- subject
- class routine
- Study Material
- Daily Attendance**
- exam
- library
- transport
- noticeboard
- Message
- account

E School Management System

teacher Log Out

Manage Daily Attendance

Select Date: 4 | Select Month: april | Select Year: 2016 | select class: eight std. | Manage Attendance

Monday
Attendance of class 2
4-4-2016


roll	name	status
804	ajinkya jadhav	Present
801	Rasika Atul Pitale	Present
802	Pranita Mahadevrao Deshmukh	Present
803	shallesh suhas patil	Present
805	Amit Sanket Patil	Present

save changes

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E-School Management System

Add Exam



admin

Log Out

manage exam

exam list **add exam**



name	<input type="text" value="unit test 1"/>
date	<input type="text" value="04/06/2016"/>
comment	<input type="text" value="attendance compulsory"/>

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- dashboard
- student
- teacher
- Parents
- class
- subject
- class routine
- Daily Attendance
- exam**
 - exam list
 - Exam Grades
 - manage marks
 - Send Marks By Sms
- payment
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

E-School Management System

Manage Exam



- dashboard
- student
- teacher
- Parents
- class
- subject
- class routine
- Daily Attendance
- exam**
 - exam list
 - Exam Grades
 - manage marks
 - Send Marks By Sms
- payment
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

E School Management System

admin Log Out

manage exam

exam list add exam

10 per page Search:


exam name	date	comment	options
unit test 1	04/06/2016	attendance compulsory	Action

Showing 1 to 1 of 1 entries

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E-School Management System

Manage Exam Marks



- dashboard
- student
- teacher
- Parents
- class
- subject
- class routine
- Daily Attendance
- exam
 - exam list
 - Exam Grades
 - manage marks**
 - Send Marks By Sms
- payment
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

admin Log Out

manage exam marks

manage marks


select exam: class unit test 1 | select class: Class eight std. | select subject: English manage marks

student	mark obtained(out of 100)	comment	
ajinkya jadhav	75	very good	Update
Rasika Abul Pitale	65	good	Update
Pranita Mahadevrao Deshmukh	70	very good	Update
shallesh suhas patil	60	good	Update
Amit Sanket Patil	77	very good	Update

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E-School Management System







Manage Teacher Screen



parent Log Out

manage teacher

10 per page Search:


photo	name	email
	sneha deshmukh	sneha.deshmukh@gmail.com
	madhuri deshpande	madhuri.deshpande@gmail.com
	Rohit deshpande	rohit.deshpande@gmail.com
	parineeti joshi	parineeti.joshi@gmail.com
	Ashish sureshrao Patil	ashish.patil@gmail.com
	aditya patel	aditya.patel@gmail.com

Showing 1 to 6 of 6 entries < 1 >

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E-School Management System

Class Routine

☰

- dashboard
- teacher
- class routine ▼
 - Rasika Atul Pitale
- Exam Marks ▶
- payment ▶
- library
- transport
- noticeboard
- Message
- account

E School Management System

parent Log Out

manage class routine

Rasika Atul Pitale

class routine list


Class 2

SUNDAY	
MONDAY	math (7-8) English (8-9) Marathi (10-11) Hindi (11-12)
TUESDAY	Marathi (7-8) geography (9-10) math (10-11) English (11-12)
WEDNESDAY	English (8-9) geography (9-10) History (10-11) math (11-12)
THURSDAY	Marathi (8-9) English (9-10) Hindi (10-11) math (11-12)
FRIDAY	English (9-10) geography (10-11)
SATURDAY	geography (8-9) math (9-10) History (11-12)

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E-School Management System

Marks of Exams

parent E School Management System Log Out

manage marks


unit test 1 (04/08/2016)

class	subject	Total Mark	mark obtained	comment
eight std.	English	100	65	good

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E-School Management System

Manage Exam Marks



E School Management System

student Log Out

manage exam marks


manage marks

select exam	select subject	
class unit test 1	English	manage marks

student	mark obtained(out of 100)	comment
Rasika Atul Pitale	65	good

E-School Management System

Subject List

☰

[dashboard](#)

[teacher](#)

[subject](#)

[class routine](#)

[Study Material](#)

[exam](#)

[payment](#)

[library](#)

[transport](#)

[noticeboard](#)

[Message](#)

[account](#)

E School Management System

1 student

Log Out

manage subject

subject list

10

▼

per page

Search:


Showing 1 to 6 of 6 entries

< 1 >

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E-School Management System

Manage Invoice and Payment

adminLog Out

manage invoice/payment

invoice/payment list **add invoice/payment**

Invoice Informations	Payment Informations
student: class eight std. - roll 801 - Rasika Atul Pitale	Total: 20000
title: fees	payment: 20000
description: school fees	status: paid
date: 04/04/2016	Method: Cash

add invoice

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- dashboard
- student
- teacher
- Parents
- class
- subject
- class routine
- Daily Attendance
- exam
- payment**
- Accounting
- library
- transport
- dormitory
- noticeboard
- Message
- settings
- account

E-School Management System

ANNEXURE 2:- OUTPUT REPORTS WITH DATA

Student Information

Student Information - class eight std. Ekta School

roll	name	address	email
801	Rasika Atul Pitale	mayur colony ,kothrud	rasika.pitale@gmail.com
802	Pranita Mahadevrao Deshmukh	waarje ,pune	pranita.deshmukh@gmail.com
803	shailesh suhas patil	ekta colony,kothrud	shailesh.patil@gmail.com
804	ajinkya jadhav	shivaji nagar,pune	ajinkya.jadhav@gmail.com
805	Amit Sanket Patil	mayur colony ,kothrud	amit.patil@mail.com

Student Information - class seven std. Ekta School

roll	name	address	email
701	Prajot Adgokar	kothrud, pune	prajot.adgokar@gmail.com
702	Ishwar dhote	kothrud ,pune	ishwar.dhote@gmail.com
703	abhijet kolhe	warje, pune	abhijeet.kolhe@gmail.com
704	prajot deshpane	karve nagar,pune	prajot.deshpane@gmail.com
705	sneha patil	shivaji nagar ,pune	sneha.patil@gmail.com

E-School Management System

Teacher Information

manage teacher Ekta School

name	email
sneha deshmukh	sneha.deshmukh@gmail.com
madhuri deshpande	madhuri.deshpande@gmail.com
Rohit deshpande	rohit.deshpande@gmail.com
parineeti joshi	parineeti.joshi@gmail.com
Ashish sureshrao Patil	ashish.patil@gmail.com
aditya patel	aditya.patel@gmail.com

E-School Management System

Parent Information

4/5/2016

All Parents | Ekta School

#^	name	email	phone	profession
1	Prashant Suresh Jadhav	prashant.jadhav@gmail.com	9730753785	Software Engineear
2	Ashok shamrao Adgokar	ashok.adgokar@gmail.com	9403194115	Govt. Servant
3	Shankar Mahadevrao Dhote	shankar.dhote@gmail.com	9945051245	Govt. Servant
4	Vijay Mahesh Kolhe	vijay.kolhe@gmail.com	8087164512	Teacher
5	Pravin Ashok Deshpande	pravin.deshpande@gmail.com	8087458595	Mechanical Engineear
6	Sanket Vijay Patil	sanket.patil@gmail.com	7076808752	Software Engineear
7	Atul Ramesh Pitale	atul.pitale@gmail.com	9965543345	Business
8	Mahadev Shankar Deshmukh	mahadev.deshmukh@gmail.com	7677675567	Professor
9	Shushant Ravi Shelukar	shushant.shelukar@gmail.com	9977556644	Doctor
10	Suhas Mangesh Patil	suhas.patil@gmail.com	7788234562	Teacher

E-School Management System

Invoice Details

Creation Date : 08 Apr,2016

title : fees

description : admission fees

status : paid

payment to
E School Management System
pune, maharashtra
+8012654159

bill to
Ishwar dhote
class seven std.
roll - 702

Total Amount : 15000

Paid Amount : 15000

Payment History

date	amount	Method
08 Apr, 2016	15000	Cash

E-School Management System

Expenses

Expenses Ekta School

title	Category	Method	amount	date
accessories	Exam Accessories	Cash	10000	08 Apr,2016
Book purchase	Inventory Purchase	Cash	6000	08 Apr,2016
annual school day	Classroom Decorations	Cash	8000	08 Apr,2016
lab equipments	Classroom Equipments	Card	10000	08 Apr,2016
salary	Teacher Salary	Check	8000	08 Mar,2016

E-School Management System

Income Details Report

Incomes Ekta School

title	description	Method	amount	date
fees	admission fees	Cash	15000	08 Apr,2016
fees	school fees	Cash	20000	04 Apr,2016
fees	admission fees	Cash	10000	08 Mar,2016

E-School Management System

Expenses Category

#	^	name
1		Teacher Salary
2		Classroom Equipments
3		Classroom Decorations
4		Inventory Purchase
5		Exam Accessories

E-School Management System

```
<Fields>
  <asp:BoundField DataField="Student_id"
HeaderText=" Student_id " Visible="false"
  SortExpression=" Student_id " />
  <asp:BoundField DataField="Name"
HeaderText="Name"
  SortExpression="Name " />
  <asp:BoundField
DataField="Date_Of_Birth" HeaderText="Date Of Birth"
  SortExpression="Date_Of_Birth" />
  <asp:BoundField DataField="Gender"
HeaderText="Gender"
  SortExpression="Gender" />

  <asp:BoundField DataField=" Email "
  <asp:BoundField DataField="password "
HeaderText=" password "

  SortExpression=" password " />
  <asp:BoundField DataField="Roll no "
HeaderText=" Roll no "
  SortExpression=" Roll no " />
  <asp:BoundField
DataField="Student_Category" HeaderText="Student Category"
  SortExpression="Student_Category" />
  <asp:BoundField DataField="Address1"
HeaderText="Address1"
  SortExpression="Address1" />

  <asp:BoundField DataField="City"
HeaderText="City"
  SortExpression="City" />
  <asp:BoundField DataField="State"
HeaderText="State"
  SortExpression="State" />
```

E-School Management System

```

        <asp:BoundField DataField="Phone_No1"
HeaderText="Phone_No1
        SortExpression="Phone_No1" />
        <asp:BoundField DataField="Email_Id"
HeaderText="Email_ID"
        SortExpression="Email_Id" />

        <asp:CommandField ShowEditButton="True"
CausesValidation="false" />
    </Fields>
    <FooterStyle BackColor="#FFFFCC"
ForeColor="#330099" />
    <HeaderStyle BackColor="#990000" Font-
Bold="True" ForeColor="#FFFFCC" />
    <PagerStyle BackColor="#FFFFCC"
ForeColor="#330099" HorizontalAlign="Center" />
    <RowStyle BackColor="White"
ForeColor="#330099" />
</asp:DetailsView>
</div>
<asp:SqlDataSource ID="SqlDataSource3"
runat="server"
    ConnectionString="<%$
ConnectionStrings:StudentConnectionString %>"

    SelectCommand="SELECT [student_id],
[Name],[Date_Of_Birth],[Gender], [Address],
[password],[Phone_No1],[Phone_No2],[Email_Id] FROM
[Student_Info] WHERE ([Admission_No] = @AdmissionNo)"
    UpdateCommand="UPDATE Student_Info SET
name=@name, Gender= @Gender ,password= @password,,
Email=@Email WHERE student id=@student">id
    <SelectParameters>
        <asp:SessionParameter Name="student id "
SessionField="AdmissionNo"
Type="Int64" />

```

E-School Management System

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</SelectParameters>
<UpdateParameters>
  <asp:Parameter Name="student" />

  <asp:Parameter Name="Name" />
  <asp:Parameter Name="birthday" />

  <asp:Parameter Name="Gender" />
  <asp:Parameter Name="Blood_Group" />
  <asp:Parameter Name="address" />
  <asp:Parameter Name="phone" />
  <asp:Parameter Name="Email" />
  <asp:Parameter Name="Password" />

  </UpdateParameters>
</asp:SqlDataSource>
</td>

</tr>
<tr>
  <td class="style2">

    </td>
  <td width="380px">
    <br />
    <span
      style="color: rgb(26, 119, 1); font-family: Arial,
      Helvetica, sans-serif; font-size: 12px; font-style: normal; font-
      variant: normal; font-weight: bold; letter-spacing: normal; line-
      height: normal; orphans: auto; text-align: start; text-indent: 0px; text-
      transform: uppercase; white-space: normal; widows: 1; word-
      spacing: 0px; -webkit-text-stroke-width: 0px; display: inline
```