



SCHOOL MANAGEMENT SYSTEM

By

K.SENBAGAVALLI

Register Number (511913621355)

Of

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Vaniyambadi

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COLLEGE NAME : 5119, PRIYADARSHINI ENGINEERING COLLEGE
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Name of the Student who have Done the Project	Register Number	Title of the Project	Name of the Supervisor With Designation
SENBAGAVALLI.K	511913621355	SCHOOL MANAGEMENT SYSTEM	Mrs.U.JAYALAKSHMI,MCA., Assistant professor., Department of MCA

The reports of the Project work submitted of the fulfillment of Master of Computer Applications of Anna University was evaluated and confirmed to be reports of the work done by the above student.

Signature of Internal Guide

Mrs.U.Jayalakshmi.,MCA.,
Assistant professor,
Priyadarshini Engineering College
Vaniyambadi-635751

Signature of HOD

Mr.Vijayakumar.S,MCA.,M.Phil.,(Ph.D)
Associate professor & HOD
Priyadarshini Engineering College
Vaniyambadi-635751

PRIYADARSHINI ENGINEERING COLLEGE

VANIYAMBADI

DEPARTMENT OF COMPUTER APPLICATIONS



BONAFIDE CERTIFICATE

Certified that this main project report titled "**SCHOOL MANAGEMENT SYSTEM**" is the bonfide work of Ms K. SENBAGAVALLI (Reg.No: 511913621355) who carried out the Research under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

GUIDE

Mrs.U.JAYALAKSHMI. MCA.
Assistant Professor,
Priyadarshini Engg. College,
Vaniyambadi – 635 751.

HEAD OF THE DEPARTMENT

Mr.S.VIJAYAKUMAR. MCA,M.phil, P.hd.,
Asso.prof.Head of the department,
Priyadarshini Engg. College,
Vaniyambadi – 635 751.

Submitted to project and Viva Examination held on _____ at
Priyadarshini Engineering college,Vaniyambadi-635 751

Internal Examiner

External Examiner

ABSTRACT

The project titled as “SCHOOL MANAGEMENT SYSTEM“ aims at collecting information about school management details. The details based on Administration, school details, staff, student, scholarship, sports, mark, fund, building and food details also maintain record with manual work. The main purpose using computerized system is to avoid manual problems and also documentation storage problem we can't maintain long period data that's why we used computerized system to overcome all problem related to school's data storing and other arias. It using purpose in storing data in Database. School related all information display on this project.

ACKNOWLEDGEMENT

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CHAPTER 1

INTRODUCTION

This project is developed for school management system. It is a software package developed for student details, staff details and school details. The software is very helpful for school. The system provides information on the past, present and future and on relevant events inside and outside the organization. It may be defined as a planned and integrated system for gathering relevant data, converting it in to right information and supplying the same to the concerned executives. The main purpose of management system is to provide the right information to the right person at the right time

1.1 OBJECTIVE OF THE SYSTEM

Developing a proper managed on school management system for the academic institution becomes the essence to let the users- admin, staff, students and others to gain the information about the school. In this recent information, it become the necessity for the educational institution to have a managed Computer Based Information System. The objectives can be listed on below as.

- To provide a proper registration system to the teachers and students.
- To maintain all the details of the students in form from enrollment up to the end of the Study.
- To update the information that is essential to transmit to the users.
- To make the information available to the department at their desk whenever required , in Just click away.
- To have a centralized control over the records of the teachers, students, etc.

1.2 ABOUT THE PROJECT

The project “SCHOOL MANAGEMENT SYSTEM” aims at collecting information about the school details. The project work is to retain information of all the details in school. This software used to easily manage the process and access the information. List such as teachers, student details and cover all important facts as reading reports.

- To provide student detailed information and faculty details.
- To make admission procedure fast and easy.
- To inform student with time to time event information and notices.
- To generate separate student and faculty login Id and password.

CHAPTER 2

ORGANIZATION PROFILE

ABOUT THE INSTITUTION

Government Panchayat Union Middle school, the School, was established in 1960 at Chitheri village,Tirupattur Taluk in Vellore district of Tamilnadu. The school has been approved Tamilnadu Government.

school is situated in the rural area of Chitheri village, Tirupattur Taluk in Vellore District. It is committed to the vision of developing education provide the poover students, Inter-disciplinary institution of Excellences through symbiotic efforts and innovative practices of management and faculty to provide the student with an ambient academic environment, Ideal for the pursuit of knowledge and development carrier.

ADDRESS

The school is registered Chitheri village,Vishamangalam post, Tirupattur Taluk in Vellore district of Tamilnadu.

IMPORTANT SERVICES

- The provide to a free education for students in the Government.
- The government help to student for free things are book, note ,pencil box , bag, dress and more. This is encourage for student development for our education. The main thing improve our knowledge, skills and discipline.
- This kind of facilities are available in the school. And utilize the student and develop the education.
- Feasible environment for the school.
- The student encouragement to provide the scholarship and prize.
- Good teaching staffs are available.
- Building blocks for all class rooms, water facilities.

CHAPTER 3

SYSTEM ANALYSIS

System analysis is an important activity that takes place when we attempt to build a new system or when modifying existing ones. In this phase the problem in the existing system are thoroughly studied and the new system is proposed which rectifies the errors persisted in the current system. The problem are analyzed from different point of view.

System analysis is about understanding situation. Effective analysis includes investigation and questioning to learn how a system currently operates and identify the requirements for a new or modified. For the development of any good project proper analysis of the existing system is a pre-requisite. The existing system is studied to know the extent of computerization required. Therefore , a detailed analysis of the existing system should be conducted. For this purpose , system should be broken down into various subsystem and these subsystem were analyzed closely to identify the problem areas.

3.1 EXISTING SYSTEM

The existing system is fully based on manual work. In olden day staffs are maintain the student details and school details in record. It involves heavy paper work. It also leads to data redundancy. So many draw back are available.

Limitations

- Time is increased .
- Error may occur.
- No security of data.
- Mistake occurring in long calculation
- Not proper generation report.
- Inability to produce timely report to management.
- A lot of file work had to be done for storing information like student details, faculty details.
- There may be possibility of delay in managing whole admission process.
- Also certain information redundancy may occur then it will become a hurdle to manage.
- Staff member Management entitles all management of activities related to notice, time table and result publish and so on requires a lot of paper work.

3.2.PROPOSED SYSTEM

The proposed system aim is to remove most of the drawback found extensively in the existing system. The proposed computerization is developed using SQL as back end and most powerful C# as front end .It can be though that easy maintenance, faster development of performances, and easy usage of data in proposed system.

ADVANTAGES

- Time reduce
- The details about the school information are showed.
- Keep maintenance of data easily with help of database.
- computing process only.
- To see reports quickly.
- Relevant details pertaining to students and school willing to Know is details can do so by accessing by the user.
- The proposed website controls student information and faculty details.
- This is web based project it's provide privilege facility for security purpose and provide login facility according to designation and restrict unauthorized used, if user is not admin then it can't access everything, this project provide four type of designation facility and access permission.
- We can generate report according to date & show all report also; Because of manual system we faced many problems. The maintenance cost of manual system was very high. And they didn't store historical information and not possible to view all at a time.

3.3 METHODOLOGY

Spiral Model

The spiral model is similar to the incremental model, with more emphasis placed on risk analysis. The spiral model has four phases: Planning, Risk, Analysis, Engineering and Evaluation. A software project repeatedly passes through these phases in iterations. The baseline spirals, starting in the planning phases, requirements are gathered and risk is assessed. Each subsequent spiral builds on the baseline spiral

- Planning Phases
- Risk Analysis
- Engineering phase
- Evaluation phases

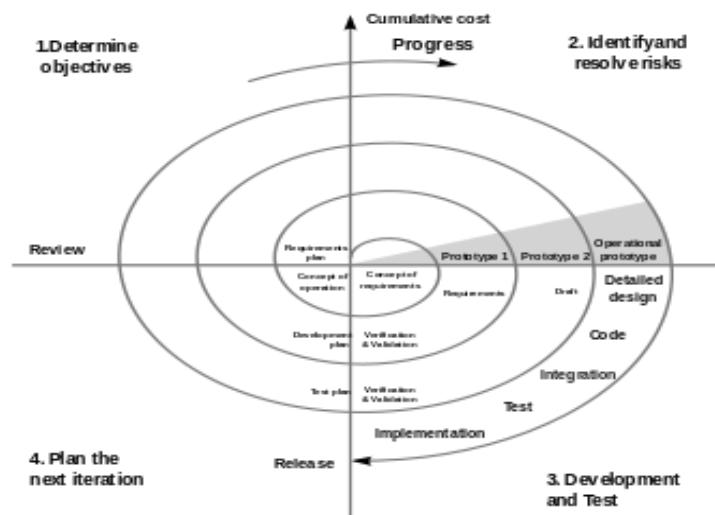


Fig:3.1Spiral Model

3.4 FESIBILITY STUDY

3.4.1 TECHNICAL FEASIBILITY

Technical issues involved are the necessary technology existence, technical guarantees of accuracy, reliability, ease of access, data security, and aspects of future expansion.

- Technology exists to develop a system.
- The proposed system is capable of holding data to be used.
- The proposed system is capable of providing adequate response and regardless of the number of users.
- The proposed system being modular to the administrator, if he/she wants can add more features in the future and as well as be able to expand the system.
- As far as the hardware and software is concerned, the proposed system is completely liable with proper backup and security.

3.4.2 OPERATIONAL FEASIBILITY

If the system meets the requirements of the customers and the administrator we can say that the system is operationally feasible.

- The proposed system will be beneficial only if it can be turned into a system which will meet the requirements of the store when it is developed and installed, and there is sufficient support from the users.
- The proposed system will improve the total performance.
- People here are the most important part of the system and the proposed system will provide them with a convenient mode of operation .

CHAPTER 4

SYSTEM CONFIGURATION

4.1 HARDWARE CONFIGURATION

CPU : Intel based Pentium-4 or more .
HARD DISK DRIVE : 500GB
RAM : 2GB

4.2 SOFTWARE CONFIGURATION

OPERATING SYSTEM : Windows 7
ENVIRONMENT : Visual studio 2010
FRONT END TOOL : ASP.NET with C#
BACK END TOOL : SQL server

4.3.SOFTWARE DESCRTIPTION

Asp.net

ASP.NET is a set of Web development tools offered by Microsoft. Programs like Visual Studio .NET and Visual Web Developer allow Web developers to create dynamic websites using a visual interface. Of course, programmers can write their own code and scripts and incorporate it into ASP.NET websites as well. Though it often seen as a successor to Microsoft's ASP programming technology, ASP.NET also supports Visual Basic.NET, JScript .NET and open-source languages like Python and Perl.

ASP.NET is built on the .NET framework, which provides an application program interface_for software programmers. The .NET development tools can be used to create applications for both the Windows operating system and the Web. Programs like Visual Studio .NET provide a visual interface for developers to create their applications, which makes .NET a reasonable choice for designing Web-based interfaces as well.

In order for an ASP.NET website to function correctly, it must be published to a Web server that supports ASP.NET applications. Microsoft's Internet Information Services (IIS) Web server is by far the most common platform for ASP.NET websites. While there are some open-source options available for Linux-based systems, these alternatives often provide less than full support for ASP.NET applications.

C# LANGUAGE

C# is a language for professional programming. C# (pronounced C sharp) is a programming language designed for building a wide range of enterprise applications that run on the .NET Framework. The goal of C# is to provide a simple, safe, modern, object-oriented, high performance, robust and durable language for .NET development. Also it enables developers to build solutions for the broadest range of clients, including Web applications, Microsoft Windows Forms-based applications, and thin- and smart-client devices.

Visual C# developers can leverage their existing C, C++ , Java skills and knowledge to be successful in the Microsoft .NET development environment. So many C, Java, and C++ development will move to C# to take advantage of .NET features. In cooperation with the .NET CLR (Common Language Runtime), it provides a language to use for Component Oriented software, without forcing programmers to abandon their existing knowledge in C, C++, or COM code.

The following C# lessons provide an overview of the basics of the language and identify important language features. Each lessons includes one or more sample programs. I hope this website will help you to acquire the skills and knowledge necessary to develop Windows applications in Visual C# in a simplified manner rather than in a complex way.

BACK END TOOLS

SQL SERVER

Microsoft SQL Server is a relational database management system (RDBMS). Its primary query language is Transact-SQL, an implementation of the ANSI/ISO standard Structured Query Language (SQL) used by Microsoft and Sybase.

Microsoft SQL Server's tight integration with Windows Server, automated self-tuning and management tools, and the wide availability of developers and compatible business applications can help small to medium-sized businesses achieve a positive ROI (Return-on- Investment).

Microsoft SQL Server 2008 is relational database management system software that has found wide adoption in the industry, covering a broad range of applications from online transactional processing (OLTP) applications, such as Enterprise Resource Planning (ERP) systems, to online analytical processing (OLAP) data warehouses. It can be tightly integrated with Microsoft Active Directory service. Microsoft SQL Server databases use a flexible file based storage model to store table records, indexes, and logs. This paper describes using Sun Unified Storage from Oracle and a Microsoft Windows 2008 Server with Microsoft SQL Server 2008 to enable the SQL Server to run a database on a file system that is based on a Common Internet File System (CIFS) share or an iSCSI target volume. The Sun ZFS Storage Appliance provides shared storage resources that are published using CIFS or iSCSI protocol. These CIFS shares or iSCSI targets can be used for SQL Server database files.

ASP.NET is a set of Web development tools offered by Microsoft. Programs like Visual Studio .NET and Visual Web Developer allow Web developers to create dynamic websites using a visual interface.

ASP.NET is built on the .NET framework, which provides an application program interface for software programmers. The .NET development tools can be used to create applications for both the Windows operating system and the Web. Programs like Visual Studio .NET provide a visual interface for developers to create their applications, which makes .NET a reasonable choice for designing Web-based interfaces as well.

Programs created with Visual Basic can be designed to run on Window, on the Web, within Office applications, or on mobile devices. Visual Studio, the most comprehensive VB development environment, or IDE, can be used to create programs for all these mediums. Visual Studio .NET provides development tools to create programs based on the .NET framework, such as ASP.NET applications, which are often deployed on the Web. Finally, Visual Basic is available as a streamlined application that is used primarily by beginning developers and for educational purposes.

CRYSTAL REPORT

Crystal Reports is a popular Windows-based report writer (report generation program) that allows a programmer to create reports from a variety of data sources with a minimum of written code. Developed by Seagate Software, Crystal Reports can access data from most widely-used databases and can integrate data from multiple databases within one report using Open Database Connectivity (ODBC).

Crystal Reports uses an ActiveX control called Crystal Report to establish a connection with another program. A programmer can set properties of the Crystal Report control during design time or at run time.

The programmer can use automation tools called Experts to be guided through common tasks, such as linking and embedding reports. Crystal Reports treats all text, graphics, and database fields as objects that a programmer can place, arrange, and format on forms. The program also generates a record set object and code needed to perform programming tasks such as loops or mathematical calculations.

Crystal Reports can create a report on the fly from user-defined variables and can convert it to HTML and publish it to the Web automatically.

CHAPTER 5

SYSTEM DESIGN

Design is the first step into the development phase for any engineered products or system. Design is creativity process. A good design is the key to effective system.

The term “design” is defined as “the process of applying various techniques and principles for the purpose of defining a process or a system in sufficient details to permit its physical realization”.

The system design develops the architecture details required to build a system or products. As in the case of any systematic approach, this software too has undergone the best possible design phase fine tuning all efficiency, performance and accuracy levels.

The design phase is a transition from a user oriented document to the programmers or database personal. System design goes through two phases of document logical and physical design.

5.1 ARCHITECTURE DIAGRAM

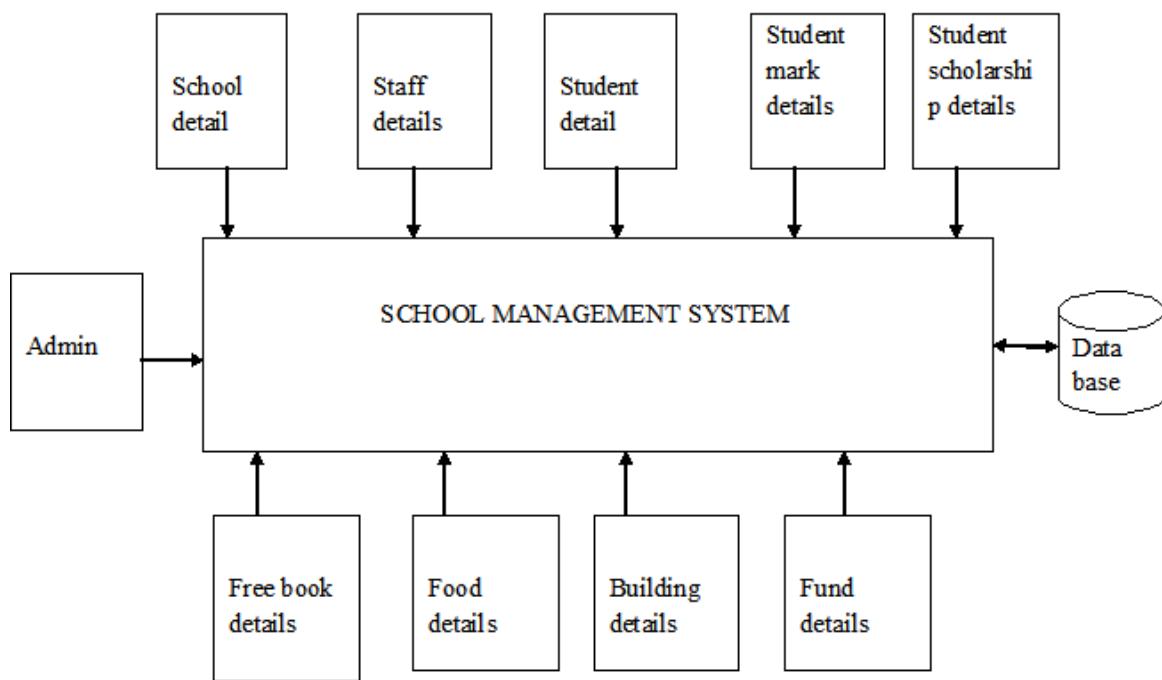


Fig.5.1. Architecture diagram

5.2 DATA FLOW DIAGRAM

5.2.1 Context Level Diagram

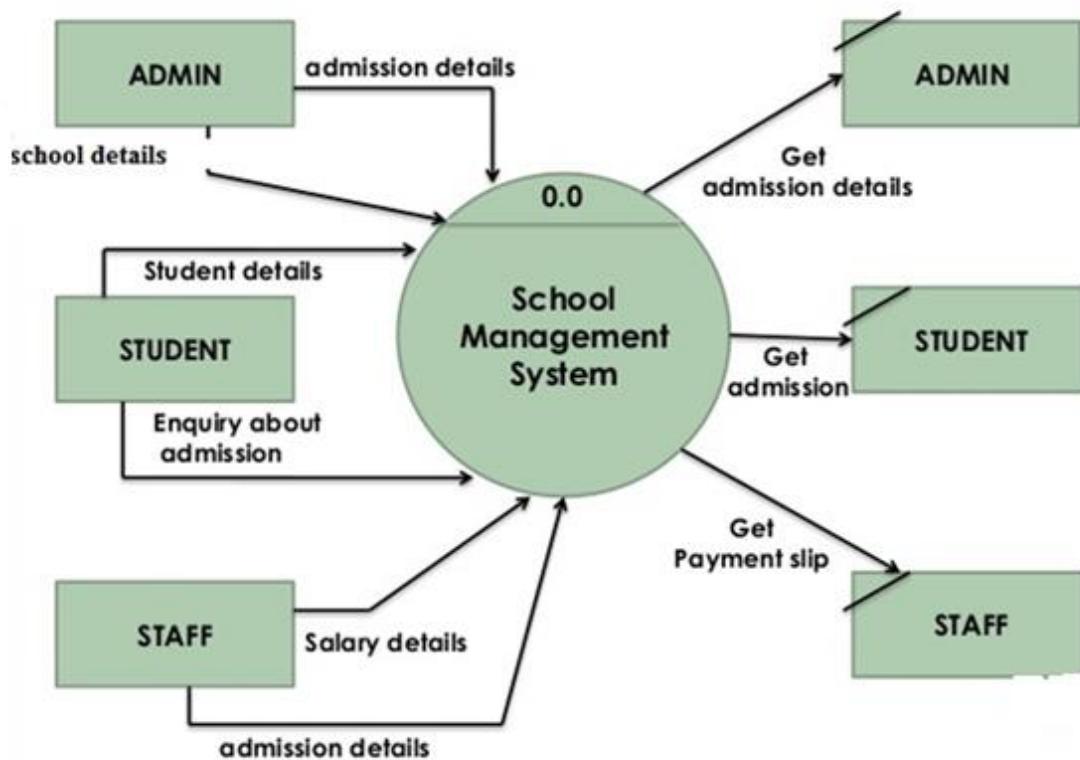


Fig .5.2.Context level diagram

5.2.2 First Level Diagram

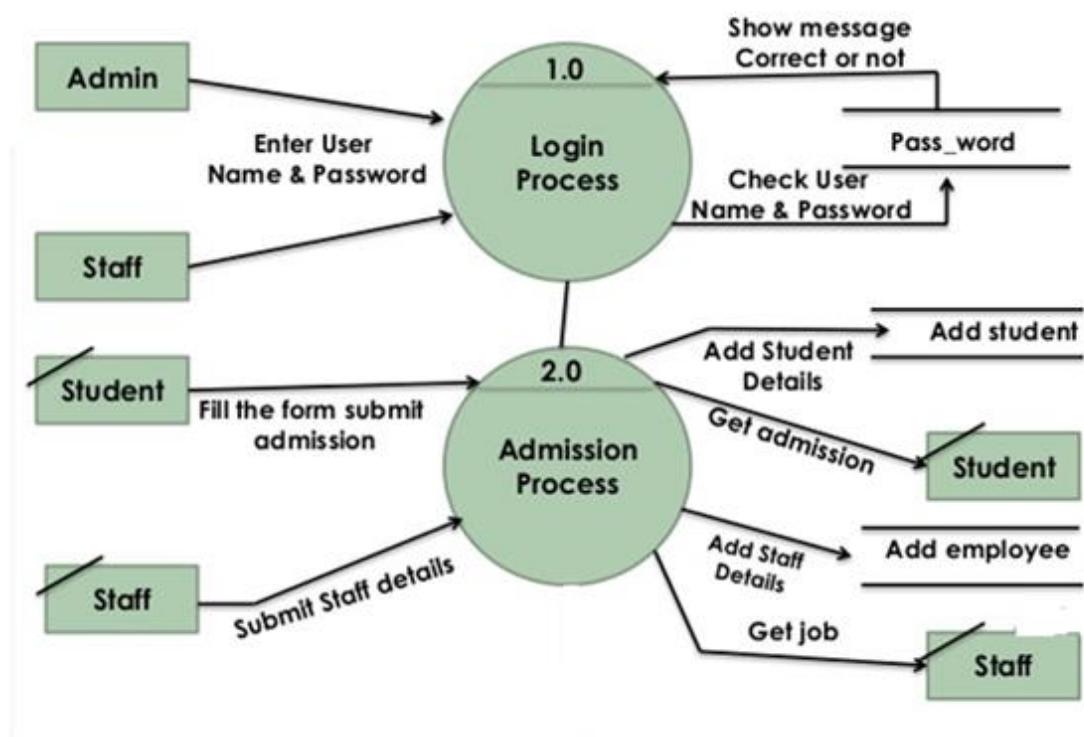


Fig .5.3 First level diagram

5.3 ER DIAGRAM

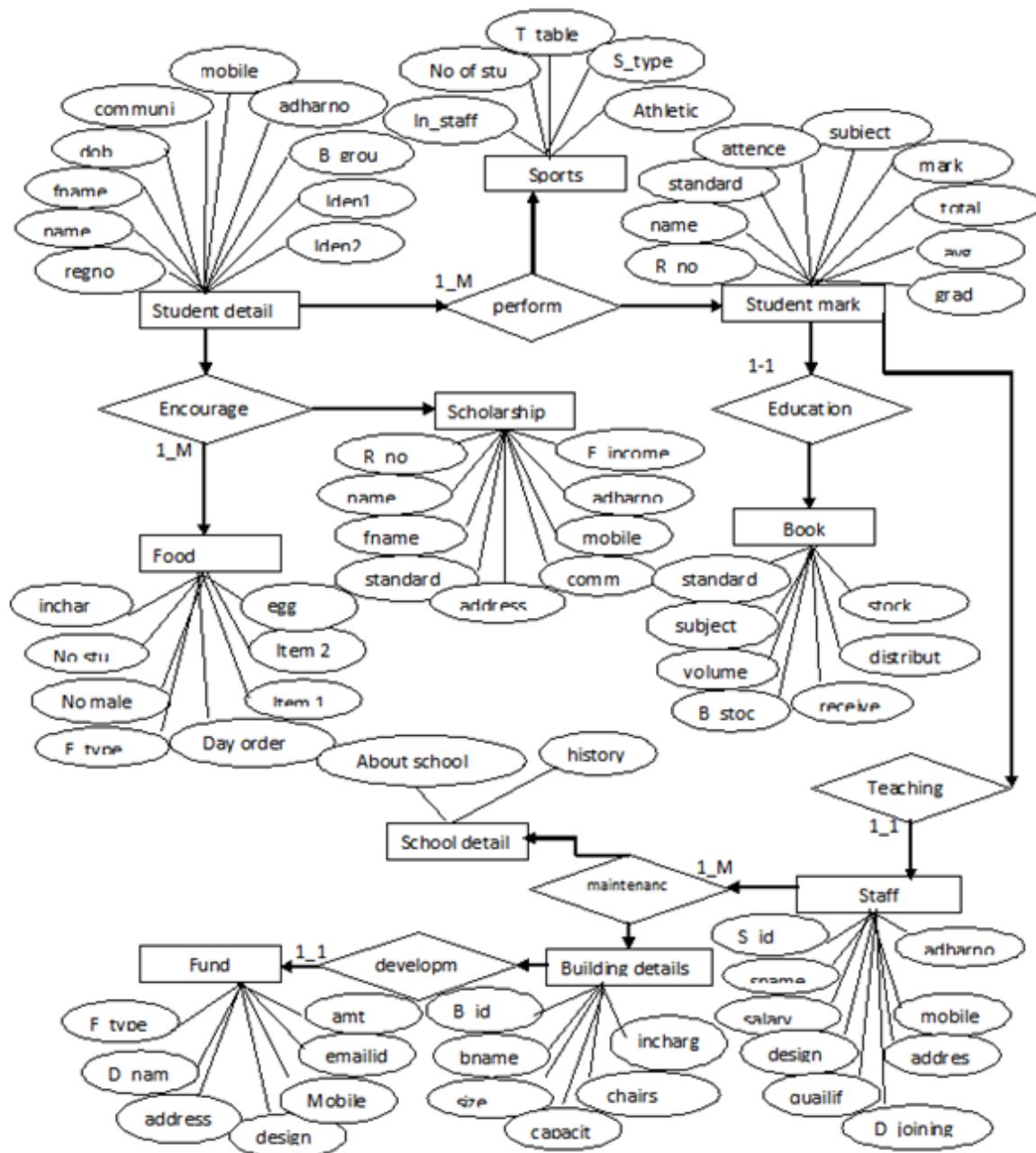


Fig. 5.4. ER diagram

5.4 UML DIAGRAMS

5.4.1. USECASE DIAGRAM

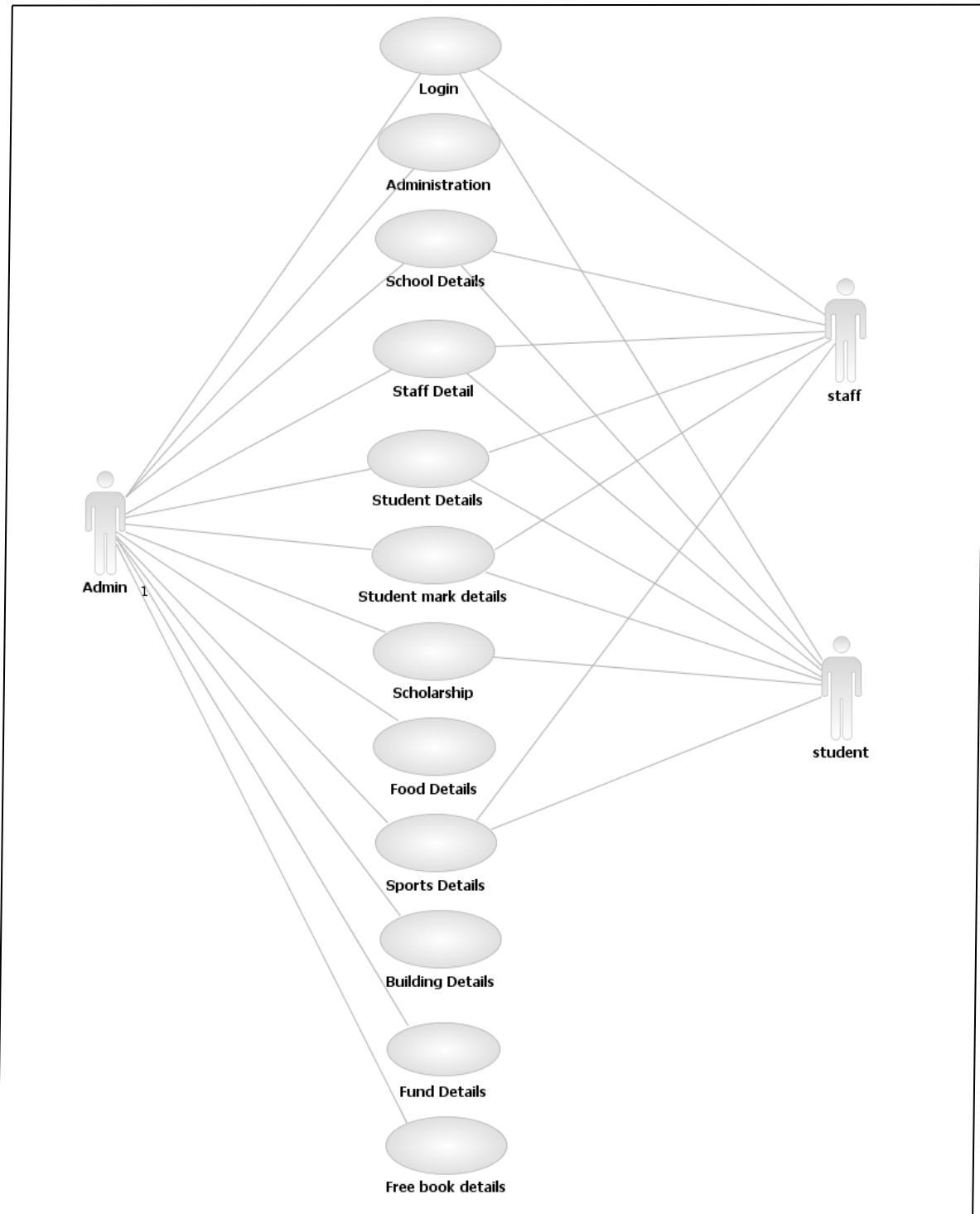


Fig .5.5 Usecase diagram

5.4.2 .SEQUENCE DIAGRAM

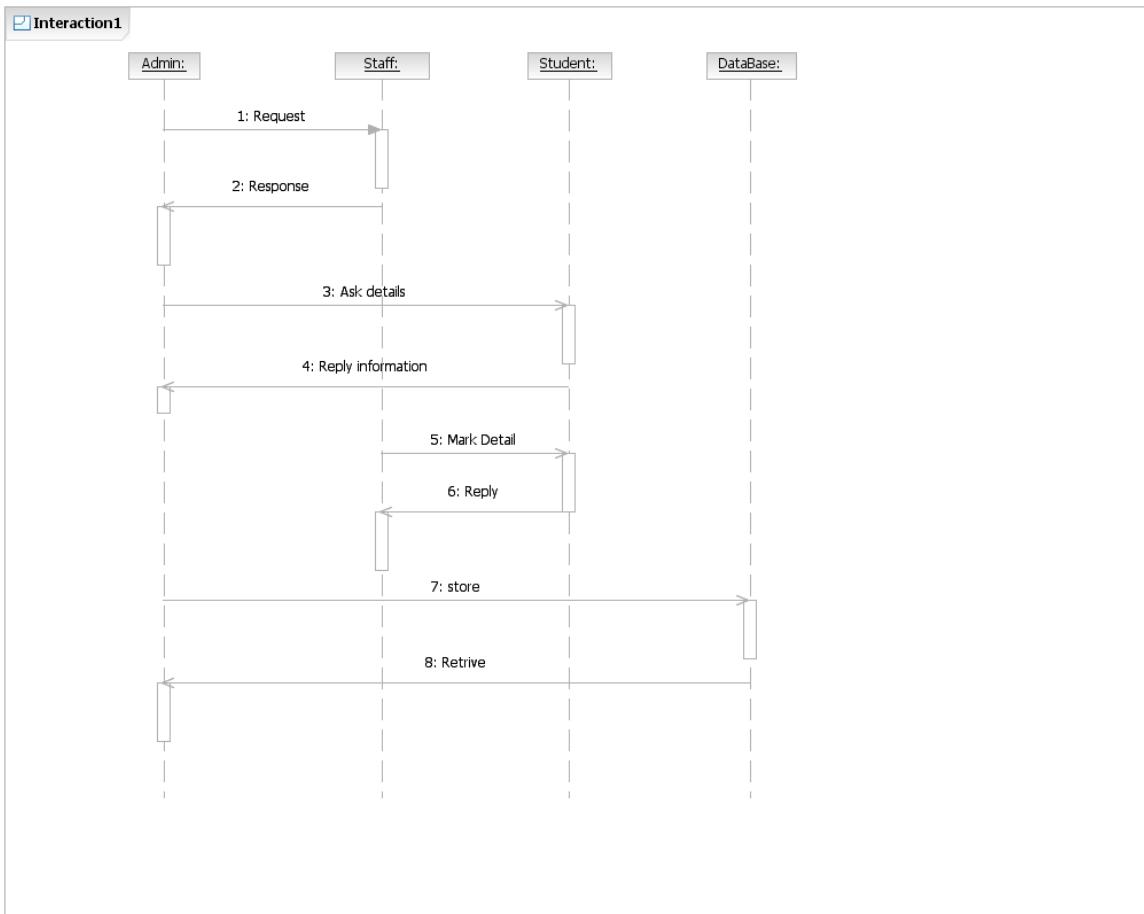


Fig.5.6 Sequence diagram

5.4.3 .CLASS DIAGRAM

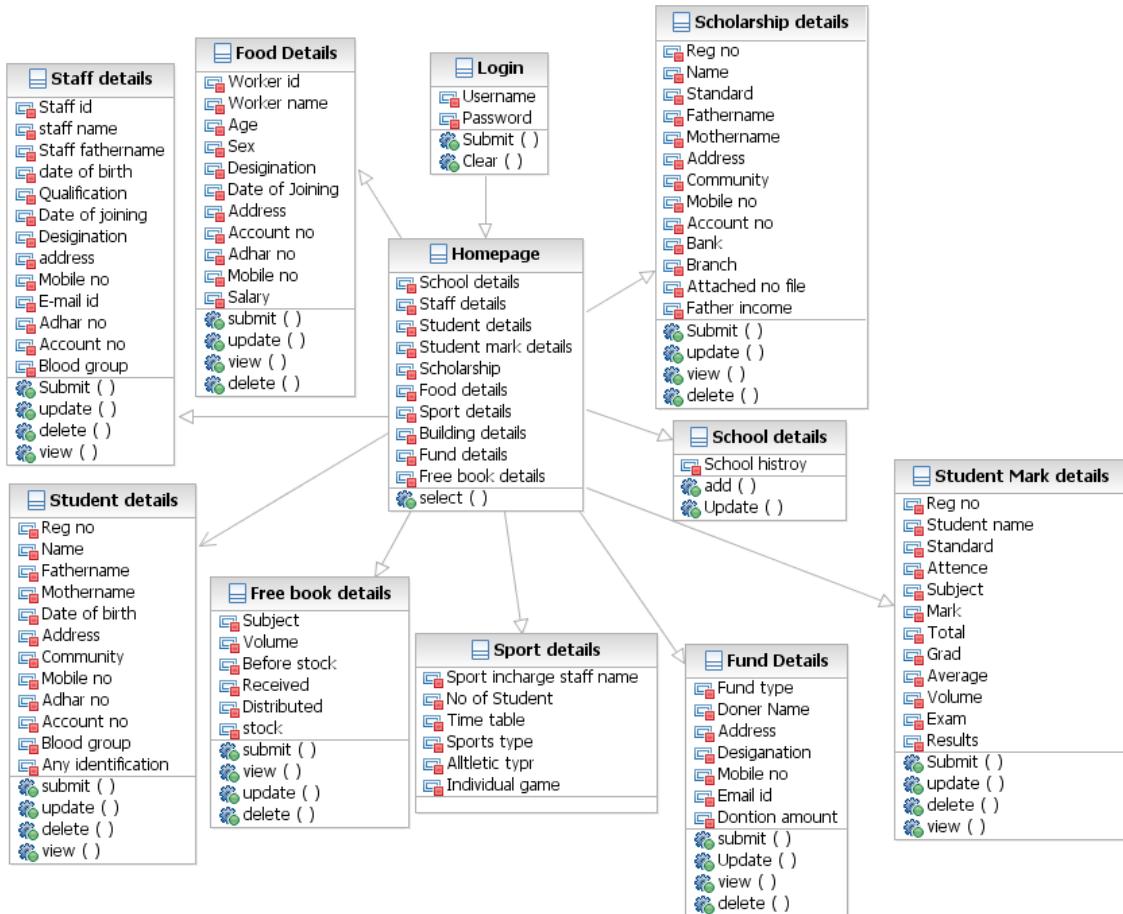


Fig 5.7 Class diagram

5.4.4.ACTIVITY DIAGRAM

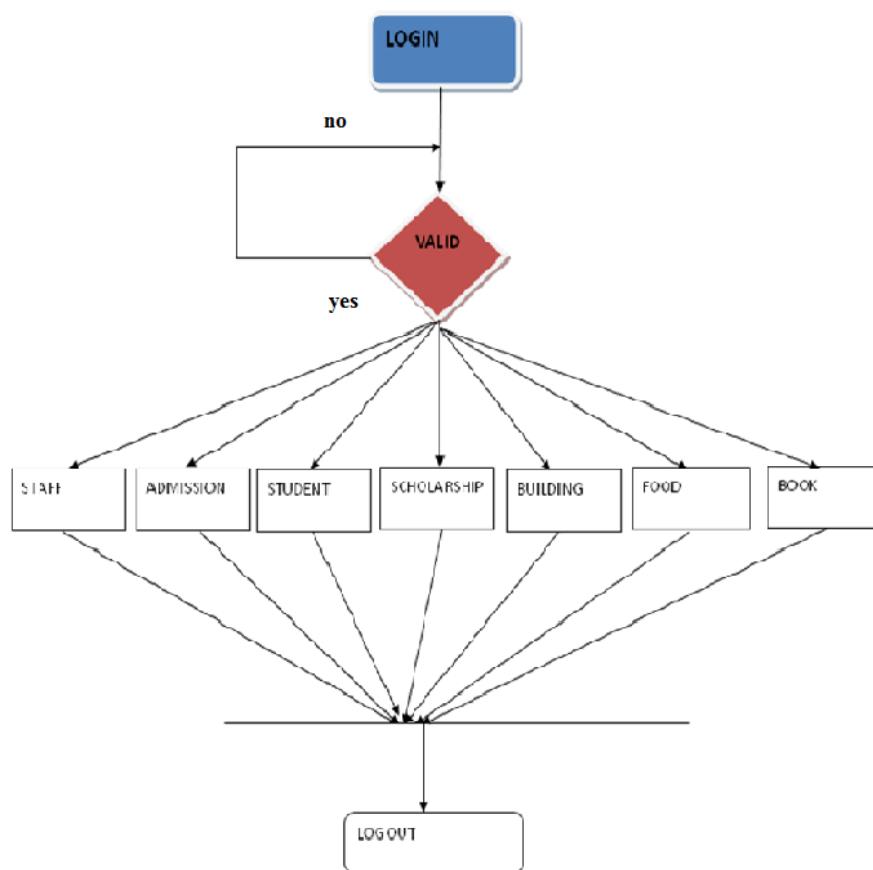


Fig 5.8 Admin activity diagram

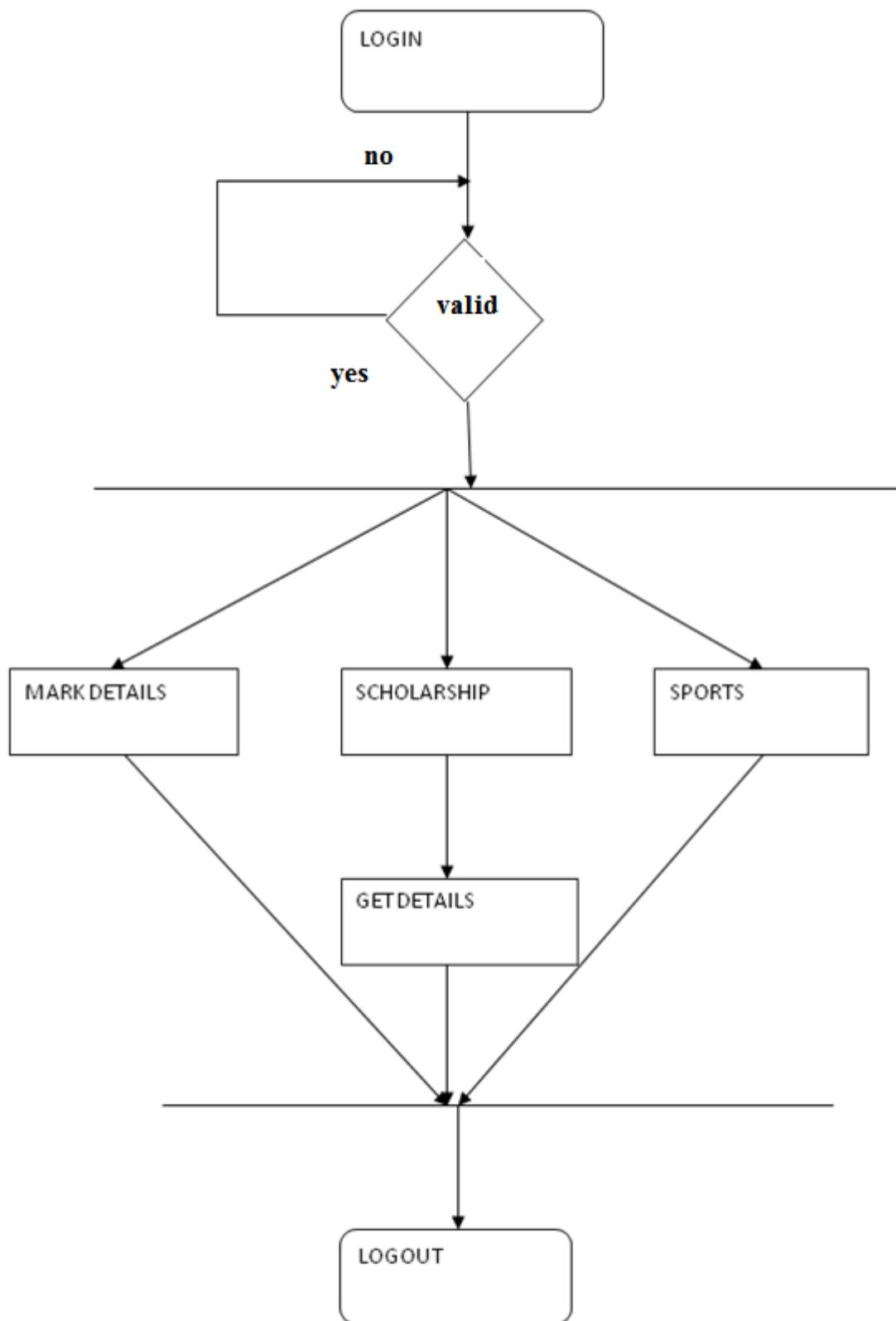


Fig 5.9 Student activity diagram

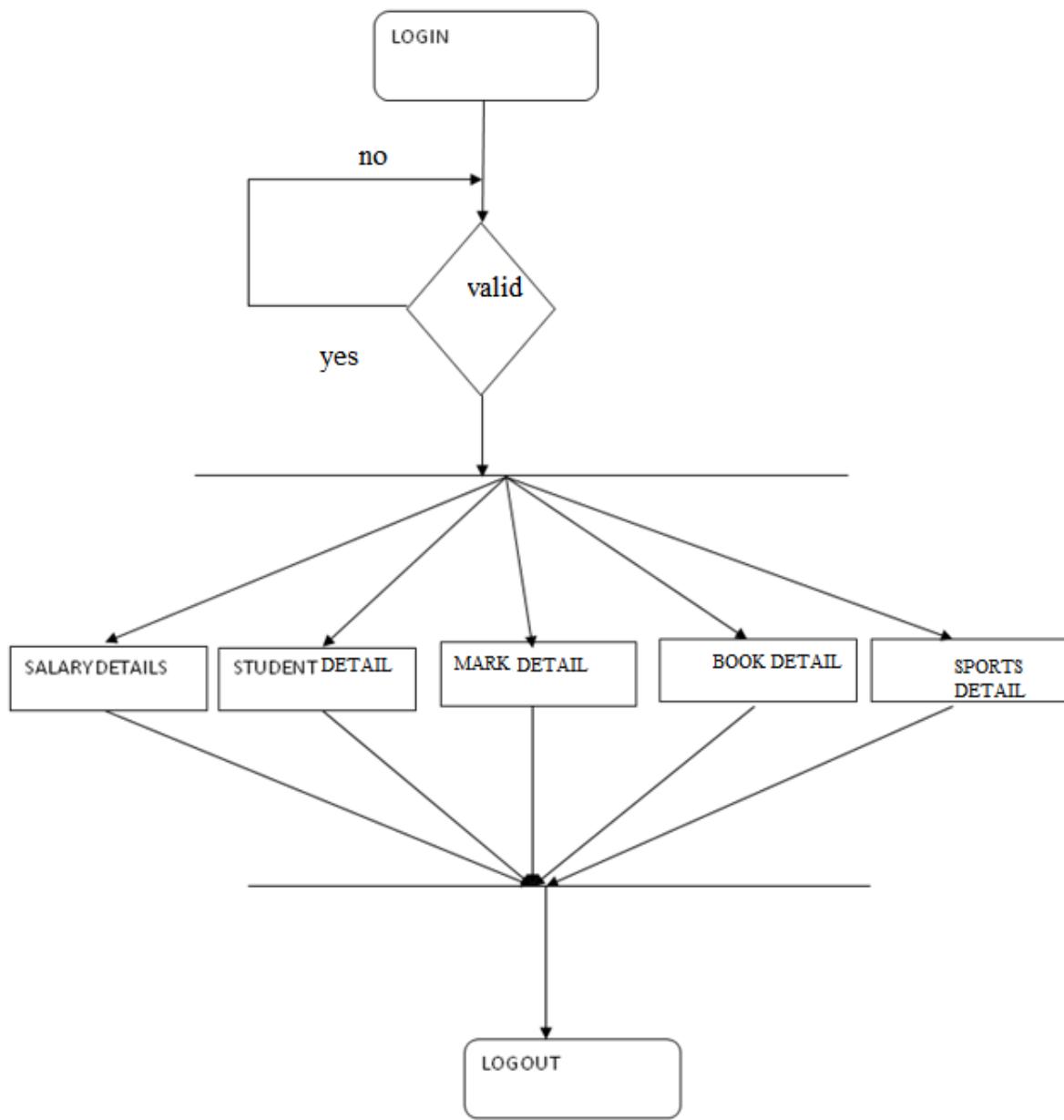


Fig 5.10 staff activity diagram

5.5 DATABASE DESIGN

Table Name: Login table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	Username	Varchar(20)	-	username
2	Password	varchar(20)	-	password

Table No:5.1

STAFF DETAIL TABLE

Table Name: Staff table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	Staff_id	Int	Primary key	staff id
2	Staff_name	Varchar(20)	-	staff name
3	F_name	varchar(20)	-	father name
4	Dob	Date	-	date of birth
5	Qualification	Varchar(20)	-	qualification
6	Addr	Varchar(50)	-	Address
7	Gender	Varchar(5)	-	Gender
8	Date of joining	Date	-	Date of joining
9	Desi	Varchar(20)	-	Designation
10	Mob_no	Bigint	-	Mobile number
11	Email_id	Varchar(20)	-	Email_id
12	Acc_no	Bigint	-	Account number
13	Adhar_no	Bigint	-	Adhar number
14	Blood_group	Varchar(10)	-	Blood group

Table No:5.2

STUDENT DETAIL TABLE

Table Name: Student table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	Regno	Int	Primary key	Register number
2	Stu_name	Varchar(20)	-	Student name
3	F_name	varchar(20)	-	Father name
4	M_name	varchar(20)	-	Mother name
5	Dob	Date	-	Date of birth
6	Addr	Varchar(50)	-	Address
7	Community	Varchar(20)	-	Community
8	Religion	Varchar(20)	-	Religion
9	Nationality	Varchar(20)	-	Nationality
10	Mob_no	Bigint	-	Mobile number
11	Adhar_no	Bigint	-	Adhar number
12	Blood_group	Varchar(10)	-	Bloodgroup
13	Iden1	Varchar(50)	-	Identification1
14	Iden2	Varchar(50)	-	Identification2

Table No:5.3

STUDENT MARK TABLE

Table Name: Student Mark table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	Regno	Int	Primary key	Register number
2	Stu_name	Varchar(20)	-	Student name
3	Stand	Varchar(20)	-	Standard
5	Sub	Nchar(10)	-	Subject
6	Mark	Nchar(10)	-	Mark
7	Total	Nchar(10)	-	Total
8	Avg	Nchar(10)	-	Average
9	Volume	Varchar(20)	-	Volume
10	Exam	Varchar(20)	-	Exam
11	Result	Varchar(20)	-	Result

Table No:5.4

STUDENT SCHOLARSHIP TABLE

Table Name: Student Scholarship table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	Regno	Int	Primary key	Register number
2	Stu_name	Varchar(20)	-	Student name
3	Stand	Varchar(20)	-	Standard
4	F_name	Varchar(20)	-	Father name
5	M_name	Varchar(20)	-	Mother name
6	Addr	Varchar(50)	-	Address
7	F_income	Int	-	Father income
8	Community	Varchar(20)	-	Community
9	Mob_no	Number	-	Mobile number
10	Bank_name	Varchar(20)	-	Bank name
11	Branch_name	Varchar(20)	-	Branch name
12	Acc_no	Nchar(10)	-	Account number
13	Attach fo	Nchar(10)	-	Attach file number

Database Table No:5.5

FOOD ORDER TABLE

Table Name: Food order table

S NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	No of stu	Nchar(10)	-	Number of student
2	No of male	Nchar(10)	-	Number of male
3	No of female	Nchar(10)	-	Number of female
4	Food_type	Varchar(20)	-	Food type
5	Day_order	Date	Primary key	Day order
6	Item_order1	Varchar(20)	-	Item order1
7	Item_order2	Varchar(20)	-	Itemorder2
8	No of egg	Nchar(10)	-	Number of egg

Table No:5.6

SPORTS DETAIL TABLE

Table Name: Sports table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	In_staff_id	Nchar(10)	Primary key	In charge staff identification
2	Staff_name	Varchar(20)	-	Staff name
3	No of stu	Nchar(10)	-	Number of student
4	Time_tab	Date	-	Time table
5	Sport_type	Varchar(20)	-	Sport type
6	Athlet_type	Varchar(20)	-	Athletic type
7	Individual	Varchar(20)	-	Individual

Table No:5.7

BOOK DETAIL TABLE

Table Name: Book table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	Sub	Varchar(20)	-	Subject
2	Volume	Varchar(20)	-	Volume
3	B_stock	Nchar(10)	-	Book stock
4	Received	Nchar(10)	-	Received
5	D_book	Nchar(10)	-	Distributed book
6	Stock	Nchar(10)	-	Stock

Table No:5.8

BULIDING DETAIL TABLE

Table Name: Building table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	Block_id	Int	Primary key	Block identification
2	Block_name	Varchar(20)	-	Block name
3	Block_size	Int	-	Block size
4	Block_cap	Int	-	Block capacity
5	No_of_chair	Int	-	Number of chair
6	Incharge_name	Varchar(20)	-	Incharge name

Table No:5.9

FUND TABLE

Table Name: Fund table

S.NO	FIELD NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
1	Fund_type	Varchar(20)	-	Fund type
2	D_name	Varchar(20)	-	Doner name
3	Addr	Varchar(50)	-	Address
4	Design	Varchar(20)	-	Designation
5	Mob_no	Nchar(10)	-	Mobile number
6	Email_id	Varchar(20)	-	Email id
7	D_amt	Nchar(10)	-	Donation amount

Table No:5.10

CHAPTER 6

PROJECT DESCRIPTION

6.1 Problem definition

School is renowned institution for the study of 1 to 8 standards. It has got above many students altogether studying in different exam-terms. Since the number of student it is facing a little bit of problem in maintaining the record of the student. Through it as used an information system, but totally manual one. And hence there its need of upgrade of the system to that of Computer Based Information System.

6.2 Module Description

The aim of our project is to maintain all the information regarding the student information. With the facility to regard entry of all information used to search needed information. Number of modules are

- Login module
- Staff module
- Student detail module

- Student mark detail module
- Scholarship module
- Free book module
- Food module
- Sports module
- Building module

LOGIN

This module is the main module, which performs all the main operation in the system. The major operation in the system are username and password. The process is move to home page.

ADMIN

This module used to link all major forms and reports such as staff, student, mark, food, sports ,building etc. and maintain all details view , updating to all details in this module.

STAFF

This module used to enter the staff name, address, designation, qualification, salary, etc., it can be entering new records to be added and updated in this modules.

STUDENT MODULE

This student module deal with student information. It store all functionalities regarding the information done by the student. It also added and updating functionality.

STUDENT MARK DETAIL MODULE

This module is used to maintain student mark details, subjects, Exams, total, average, grad and results.

STUDENT SCHOLARSHIP MODULE

This module used to enter the all scholarship details. This page store the information about all student like caste, father name, income and address and type of scholarship etc.,

FREE BOOK DETAIL MODULE

This module used to maintain book details. This page store the information about book stock ,received , distributed details also maintain in this module .

FOOD DETAILS MODULE

This module is maintaining the food details. It can entering worker detail, food order detail, stock details also maintain in this module.

SPORTS MODULE

This module used to maintain all sports information. It can entering new information, in charge staff details ,time tables and sports meet details also maintain in this module.

BUILDING MODULE

This module used to maintain building block details such as block id , name, size ,capacity ,in charge details also maintain in this module.

FUND MODULE

This module used to maintain fund details such as donor id , donor name, address, mobile number, designation, email id amount etc.,

CHAPTER 7

SOFTWARE TESTING AND MAINTENANCE

7.1 SYSTEM MAINTENANCES

The feasibility of the project is analyzed and business proposal is put forth with a very general plan for the project and some cost estimates. During system analysis the feasibility study of the proposed. System is carried out. This is to ensure that the proposed system is not a burden to the company. For feasibility analysis, some understanding of the major requirements for the system is essential. Four key considerations involved in the feasibility analysis are

- Economic Feasibility
- Technical Feasibility
- Social Feasibility
- Operational Feasibility

ECONOMIC FEASIBILITY

This study is carried out to check the economic impact that the system will have on the organization. The amount of fund that the company can pour into the research and development of the system is limited. Technologies used are freely available. Only the customized products had to be purchased.

TECHNICAL FEASIBILITY

This study is carried out to check the technical feasibility, that is, the technical requirements of the system. Any system developed must nutty have a high demand on the available technical resources. This will lead to high demands on the available technical resources. This will lead to high demands being placed on the client. the developed system must have a modest requirement, as only minimal or null changes are required for implementing this system.

SOCIAL FEASIBILITY

The aspect of study is to check the level of acceptance of the system by the user. This includes the process of training the user to use the system efficiently. The user must not feel threatened by the system, instead must accept it as a necessity. The level of acceptance by the users solely depends on the methods that are employed to educate the user about the system and to make him familiar with it. His level of confidence must be raised so that he is also able to make some constructive criticism, which is welcomed, as he is the final user of system.

OPERATIONAL FEASIBILITY

The analyst considers the extent to which the proposed system will fulfill his departments, that is, whether the proposed system covers all the aspects of the working system and whether it has considerable improvements. We have found that the proposed “Efficient retrieval scheme” will certainly have considerable improvements over the existing system.

7.2 METHODS OF TESTING

7.2.1 Unit Testing

Unit testing is a software testing method by which individual units of source code, sets of one or more computer program modules together with associated control data, usage procedures, and operating procedures, are tested to determine whether they are fit for use. Intuitively, one can view a unit as the smallest testable part of an application. In a unit could be an entire module, but it is more commonly an individual function or procedure. In a unit is often an entire interface, such as a class, but could be an individual method.

Unit tests are short code fragments created by programmers or occasionally by white box testers during the development process. It forms the basis for component testing.

7.2.2 Acceptance Testing

Acceptance testing is a test conducted to determine if the requirements of a specification or contract are met. Software developers often distinguish acceptance testing by the system provider from acceptance testing by the customer (the user or client) prior to accepting transfer of ownership. In the case of software, acceptance testing performed by the customer is known as user acceptance testing (UAT), end-user testing.

7.2.3 Black-Box Testing

The technique of testing without having any knowledge of the interior workings of the application is called black-box testing. The tester is oblivious to the system architecture and does not have access to the source code. Typically, while performing a black-box test, a tester will interact with the system's user interface by providing inputs and examining outputs without knowing how and where the inputs are worked upon.

7.2.4 White-Box Testing

White-box testing is the detailed investigation of internal logic and structure of the code. White-box testing is also called glass testing or open-box testing. In order to perform white-box testing on an application, a tester needs to know the internal workings of the code. The tester needs to have a look inside the source code and find out which unit/chunk of the code is behaving inappropriately.

7.3 PURPOSE

To provide the test case specification for the modules.

7.4 OVERVIEW

This software contains the test case specification for the various modules. It's identified in the software requirements specification (SRS).

7.5 TEST CASE DESIGN

PROJECT NAME: SCHOOL MANAGEMENT SYSTEM

Use Case	Function Being Tested	Initial System State	Input	Expected Output
System Startup	System is started when the switch is turned "on"	System is off	Activate the "on" switch	System requests initial login page
System Startup	System accepts initial login page	System is requesting username and password	Enter a legitimate username and password	System is on
Session	System allows admin to login	System is asking for entry of Username and Password	Enter login details	System displays a menu of item in the Home page
Session	System allows admin to login	System is asking for entry of Username and Password	Enter invalid login details	System display an error message. System is ready to start a new session
Shutdown	System is shut down when the switch is turned "off"	System is on and not servicing a customer	Activate the "off" switch	System is off

Table No:7.1

TEST CASE: LOGIN

Test case ID : 7.1

Test Designed by:K.Senbagavalli

Test Priority : High

Test Designed Date: 27/5/2016

Module Name: Login

Test Executed by:K.Senbagavalli

Test Title : Verify login with

Test Execution date: 27/5/2016

Username& Password

Description: Test Google Login Page

Pre-conditions: User has valid username and password

step	Test Steps	Test Data	Executed Result	Actual Result	Status
1	Navigate to login form	Username:as Password: as	You should be able to login	Yes main form Open	Pass
2	Navigate to login form	Username:abi Password: abi	Login into the system main form	Yes main form Open	Pass

Table No: 7.2

Post-conditions:

User is validated with database and successfully login to account. The account session details are logged in database.

TEST CASE: LOGIN

Test case ID : 7.2

Test Designed by: K.senbagavalli

Test Priority : Medium

Test Designed Date: 27/5/2016

Module Name: Login Form

Test Executed by: K.senbagavalli

Test Title : Verify Username And
Password

Test Execution date: 27/5/2016

Description: Test the Google login Page

Pre-conditions: User has Invalid username and password

Step	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Navigate to login form	Username: Pec Password: 123	You should not be able to login	Yes Message Your are not a authorized user	Pass
2	Navigate to login form	Username: abi Password: pec	You should not be able to login	Yes Message Your are not a authorized user	pass

Table No:7.3

Post-conditions:

User is validated with database and not successfully login to account. The account session details are logged in database.

TEST CASE: SALARY FORM

Test case ID : 7.3
 Test Priority : Medium
 Module Name: Salary Form
 Test Title : Verify Salary Request
 Test Designed by: K.senbagavalli
 Test Designed Date: 27/5/2016
 Test Executed by: K.senbagavalli
 Test Execution date: 27/5/2016

Details

Description: Test the Salary Page

Pre-conditions: User has valid salary form detail

Step	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Navigate to salary form main page by click salary form button	Staff id (Auto)	Staff id number is generated automatic	Yes salary amount is generated automatic	Pass
2	Test grid view will Show all salary Details	Whether Grid view all salary details	View all salary Details	Yes View all salary Details	Pass
3	Test whether the system save all the form details exactly in data base.	All salary details in text	Message Add successfully in a grid view and database.	Yes Message Add successfully in a grid view and database	Pass

Table No:7.4

Post-conditions:

User is validated with database and not successfully login to account. The account session details are salary in database.

TEST CASE: MARK FORM

Test case ID : 7.4

Test Designed by: K.senbagavalli

Test Priority : Medium

Test Designed Date: 27/5/2016

Module Name: Mark Form

Test Executed by: K.senbagavalli

Test Title : Verify Mark Request

Test Execution date: 27/5/2016

Details

Description: Test the mark Page

Pre-conditions: User has invalid form detail
--

Step	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Test duplicate entry	Mark: 1222	Message (Error converting data type varchar to bigint)	Yes Message (Error converting data type varchar to bigint)	Pass
2	Test the correct character in the text	Values(5) (1223) user able to enter more then 2 character in the text	New not able to enter warring sound will be given be the system	Yes New not able to enter warring sound will be given be the system	Pass
3	Test duplicate entry the particular textbox	Date enter the wrong format	Message Date time conversion incorrect format	Yes Message Date time conversion incorrect	Pass

				Format	
--	--	--	--	--------	--

CHAPTER 8

CONCLUSION

To sum up, developing a computer based information system for Everest school was a matter of essence. It will be a medium for the school management system for proper management of the student information in an organized way. It is now essence for the organization to transmit the student's records on to the system without crawling in various department.

The conclusion can be summed up into the following points:

- The computer based information system has made the easy flow of information from one department to other.
- Since the data are organized in database, and are secure in computer system. The complaint of loss, information is not heard again.

CHAPTER 9

FUTURE ENHANCEMENT

Presently the web project is used for primary school students but in future it can be utilized for middle school, high school and colleges by some minor modifications. Database may be available in future for long times and information may be used anytime. SMS facility in future.

CHAPTER 10

APPENICES

10.1 SAMPLE CODING

LOGIN

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;

public partial class login : System.Web.UI.Page
{
    Public string str = "Data
Source=.\\SQLEXPRESS;AttachDbFilename=|DataDirectory|schooldb.mdf;Integrated
Security=True;Connect Timeout=30;User Instance=True";
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    protected void Button4_Click(object sender, EventArgs e)
    {
        TextBox1.Text = "";
    }
}
```

```
    TextBox2.Text = "";
}

protected void Button3_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select * from login", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();
        int flag = 0;
        while (dr.Read())
        {
            if (TextBox1.Text == dr["uname"].ToString() && TextBox2.Text ==
dr["pword"].ToString())
                { flag = 1;
                    Response.Redirect("home1.aspx");
                    break;
                }
            else if (flag == 0)
            {
                Label3.Text = "You r not authorized user";
            }
        }
    }
    catch (Exception ex)
    {
        Label3.Text = ex.Message;
    }
}
```

```

        finally
    {
        con.Close();
    }

}

protected void LinkButton1_Click(object sender, EventArgs e)
{
    Response.Redirect("first1.aspx");
}
}

```

NEW REGISTRATION

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;

public partial class register : System.Web.UI.Page
{
    public string str = "Data
Source=.\SQLExpress;AttachDbFilename=|DataDirectory|schooldb.mdf;Integrated
Security=True;Connect Timeout=30;User Instance=True";
    protected void Page_Load(object sender, EventArgs e)
    {

```

```

}

protected void Button1_Click(object sender, EventArgs e)
{

    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("insert into newregister values('" +
        TextBox1.Text + "','" + DropDownList1.Text + "','" + TextBox2.Text + "','" + TextBox3
        .Text + "','" + DropDownList2.Text + "','" + TextBox5.Text + "')",con);
        con.Open();

        cmd.ExecuteNonQuery();
        Label7.Text =("Insert successfully");
        con.Close();
    }
    catch (Exception ex)
    {
        Label7.Text =(ex.Message);
    }
    finally
    {
        con.Close();
    }
}

```

STAFF

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
public partial class admin : System.Web.UI.Page
{
    public string str = "Data
Source=.\\SQLEXPRESS;AttachDbFilename=|DataDirectory|schooldb.mdf;Integrated
Security=True;Connect Timeout=30;User Instance=True";
    public string gen;
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
        {
            auto();
        }
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection(str);
        if (RadioButton1.Checked == true)
        {
            gen = RadioButton1.Text;
        }
        if (RadioButton2.Checked == true)
        {
    }
```

```

    gen = RadioButton2.Text;
}

try
{
    SqlCommand cmd = new SqlCommand("insert into sdetail values('" +
TextBox10.Text + "','" + TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text +
"','" + DropDownList1.Text + "','" + gen.ToString() + "','" + DropDownList2.Text +
"','" + TextBox4.Text + "','" + TextBox5.Text + "','" + TextBox6.Text + "','" +
TextBox8.Text + "','" + TextBox9.Text + "','" + DropDownList3.Text + "','" +
TextBox7.Text + "')", con);

    con.Open();
    cmd.ExecuteNonQuery();
    Label16.Text = ("Insert successfully");
    con.Close();
    reset();
}

catch (Exception ex)
{
    Label16.Text = (ex.Message);
}

auto();
}

protected void Button2_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);

    try
    {
        SqlCommand cmd = new SqlCommand("delete from sdetail where staff_id='"
+ DropDownList4.SelectedItem + "'", con);

```

```

        con.Open();
        cmd.ExecuteNonQuery();
        Label16.Text = ("Deleted successfully");
        con.Close();
        reset();

    }

catch (Exception ex)
{
    Label16.Text = (ex.Message);
}

auto();

}

protected void Button3_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("update sdetail set staff_name='"
+ TextBox1.Text + "',fname='"
+ TextBox2.Text + "',dob='"
+ TextBox3.Text + "',quali='"
+ DropDownList1.Text + "',gender='"
+ gen + "',desi='"
+ DropDownList2.Text + "',djoining='"
+ TextBox4.Text + "',addr='"
+ TextBox5.Text + "',mob='"
+ TextBox6.Text + "',email='"
+ TextBox7.Text + "',adhar='"
+ TextBox8.Text + "',accno='"
+ TextBox9.Text + "',bgroup='"
+ DropDownList3.Text + "' where staff_id='"
+ TextBox10.Text + "'", con);

        con.Open();
        cmd.ExecuteNonQuery();
        Label16.Text = ("updated successfully");
        con.Close();
    }
}

```

```
        reset();

    }

    catch (Exception ex)
    {
        Label16.Text = (ex.Message);
    }

    auto();
}

protected void Button4_Click(object sender, EventArgs e)
{
    reset();
    auto();
}

private void auto()
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select staff_id from sdetail order by staff_id", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();
        DropDownList4.Items.Clear();
        while (dr.Read())
        {

            DropDownList4.Items.Add(dr["staff_id"].ToString ());
            TextBox10.Text = (Convert.ToInt32(dr["staff_id"].ToString()) + 1).ToString();
        }
    }
}
```

```
        }

    }

catch (Exception ex)
{
    Label16.Text = (ex.Message);

}

private void reset()
{
    TextBox10.Text = "";
    TextBox1.Text = "";
    TextBox2.Text = "";
    TextBox3.Text = "";
    DropDownList1.Text = "";
    RadioButton2.Checked = false;
    RadioButton1.Checked = false;
    DropDownList2.Text = "";
    TextBox4.Text = "";
    TextBox5.Text = "";
    TextBox6.Text = "";
    TextBox7.Text = "";
    TextBox8.Text = "";
    TextBox9.Text = "";
    DropDownList3.Text = "";

    auto();
}
```

```
protected void DropDownList4_SelectedIndexChanged(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select * from sdetail where staff_id=" + 
DropDownList4.SelectedItem + "", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();

        if (dr.Read())
        {
            TextBox10.Text = dr["staff_id"].ToString();
            TextBox1.Text = dr["staff_name"].ToString();
            TextBox2.Text = dr["fname"].ToString();
            TextBox3.Text = dr["dob"].ToString();
            DropDownList1.Text = dr["quali"].ToString();
            if (dr["gender"].ToString() == "Male")
            {
                RadioButton1.Checked = true;
            }
            if (dr["gender"].ToString() == "Female")
            {
                RadioButton2.Checked = true;
            }
            DropDownList2.Text = dr["desi"].ToString();
            TextBox4.Text = dr["djoining"].ToString();
            TextBox5.Text = dr["addr"].ToString();
        }
    }
}
```

```
    TextBox6.Text = dr["mob"].ToString();
    TextBox7.Text = dr["email"].ToString();
    TextBox8.Text = dr["adhar"].ToString();
    TextBox9.Text = dr["accno"].ToString();
    DropDownList3.Text = dr["bgroup"].ToString();
}

}

catch (Exception ex)
{
    Label16.Text = (ex.Message);
}

}
```

SALARY

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
public partial class salary : System.Web.UI.Page
{
    public string str = "Data
Source=.\|SQLEXpress;AttachDbFilename=|DataDirectory|schooldb.mdf;Integrated
Security=True;Connect Timeout=30;User Instance=True";
```

```
protected void Page_Load(object sender, EventArgs e)
{
    if (!IsPostBack)
    {
        auto();
    }
}

protected void Button2_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("insert into sal values('" + TextBox1.Text
+ "','" + TextBox2.Text + "','" + DropDownList2.Text + "','" + DropDownList3.Text +
"','" + TextBox4.Text + "','" + TextBox5.Text + "','" + TextBox6.Text + "','" +
TextBox7.Text + "','" + TextBox8.Text + "')", con);
        con.Open();
        cmd.ExecuteNonQuery();
        Label11.Text = ("Insert successfully");
        con.Close();
        reset();
    }
    catch (Exception ex)
    {
        Label11.Text = (ex.Message);
    }
    auto();
}
```

```
}

protected void Button3_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("update sal set staff_name='"
            + TextBox2.Text + "',month='"
            + DropDownList2.Text + "',year='"
            + DropDownList3.Text
            + "',sal='"
            + TextBox4.Text + "',da='"
            + TextBox5.Text + "',ma='"
            + TextBox6.Text + "',hra='"
            + TextBox7.Text + "',total='"
            + TextBox8.Text + "' where staff_id='"
            + TextBox1.Text + "'", con);

        con.Open();
        cmd.ExecuteNonQuery();
        Label11.Text = ("updated successfully");
        con.Close();

        reset();
    }
    catch (Exception ex)
    {
        Label11.Text = (ex.Message);
    }
    auto();
}

protected void Button4_Click(object sender, EventArgs e)
{
    reset();
    auto();
}
```

```
private void auto()
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select staff_id from sal order by
staff_id", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();
        DropDownList1.Items.Clear();
        while (dr.Read())
        {
            DropDownList1.Items.Add(dr["staff_id"].ToString());
            TextBox1.Text = (Convert.ToInt32(dr["staff_id"].ToString()) + 1).ToString();
        }
    }
    catch (Exception ex)
    {
        Label11.Text = (ex.Message);
    }
}

private void reset()
{
    TextBox1.Text = "";
    TextBox2.Text = "";
    DropDownList2.Text = "";
}
```

```

DropDownList3.Text = "";
TextBox4.Text = "";
TextBox5.Text = "";
TextBox6.Text = "";
TextBox7.Text = "";
TextBox8.Text = "";
auto();
}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select * from sal where staff_id=" + 
DropDownList1.SelectedValue + "", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();

        if (dr.Read())
        {
            TextBox1.Text = dr["staff_id"].ToString();
            TextBox2.Text = dr["staff_name"].ToString();
            DropDownList2.Text = dr["month"].ToString();
            DropDownList3.Text = dr["year"].ToString();
            TextBox4.Text = dr["sal"].ToString();
            TextBox5.Text = dr["da"].ToString();
            TextBox6.Text = dr["ma"].ToString();
            TextBox7.Text = dr["hra"].ToString();
        }
    }
}

```

```

        TextBox8.Text = dr["total"].ToString();
    }

}

catch (Exception ex)
{
    Label11.Text = (ex.Message);

}

protected void Button5_Click(object sender, EventArgs e)
{
    try
    {
        TextBox8.Text = (Convert.ToInt32(TextBox5.Text) +
Convert.ToInt32(TextBox6.Text) + Convert.ToInt32(TextBox7.Text) +
Convert.ToInt32(TextBox4.Text)).ToString();
    }

    catch (Exception ex)
    {
        Label11.Text = ex.Message;
    }
}

```

STUDENT

```

using System;
using System.Collections.Generic;
using System.Linq;

```

```
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;

public partial class student : System.Web.UI.Page
{
    public string str = "Data
Source=.\\SQLEXPRESS;AttachDbFilename=|DataDirectory|schooldb.mdf;Integrated
Security=True;Connect Timeout=30;User Instance=True";
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
        {

            auto();
        }
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection(str);
        try
        {
            SqlCommand cmd = new SqlCommand("insert into studetail values(" +
                TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "','" + TextBox4.Text +
                "','" + TextBox5.Text + "','" + DropDownList1.Text + "','" + TextBox6.Text + "','" +
                TextBox7.Text + "','" + TextBox8.Text + "','" + DropDownList2.Text + "','" +
                TextBox9.Text + "','" + TextBox10.Text + "','" + TextBox11.Text + "')", con);
            con.Open();
        }
    }
}
```

```

        cmd.ExecuteNonQuery();

Label15 .Text =("Insert successfully");

con.Close();

reset();

}

catch (Exception ex)

{

Label15 .Text =(ex.Message);

}

auto();

}

protected void Button3_Click(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(str);

try

{

SqlCommand cmd = new SqlCommand("update studetail set name=" + 

TextBox2.Text + ",fname=" + TextBox3.Text + ",mname=" + TextBox4.Text + 

",dob=" + TextBox5.Text + ",community=" + DropDownList1.Text + ",addr=" + 

TextBox6.Text + ",acc_no=" + TextBox7.Text + ",adhar=" + TextBox8.Text + 

",bgroup=" + DropDownList2.Text + ",mob_no=" + TextBox9.Text + ", iden1=" + 

TextBox10.Text + ",iden2=" + TextBox11.Text + " where regno=" + TextBox1.Text + 

"", con);

con.Open();

cmd.ExecuteNonQuery();

Label15.Text = ("updated successfully");

con.Close();

reset();

}

```

```
        catch (Exception ex)
        {
            Label15.Text = (ex.Message);
        }
        auto();
    }

    protected void Button2_Click(object sender, EventArgs e)
    {

        SqlConnection con = new SqlConnection(str);

        try
        {
            SqlCommand cmd = new SqlCommand("delete from studetail where regno='"
                TextBox1.Text + "", con);

            con.Open();
            cmd.ExecuteNonQuery();
            Label15 .Text =("Deleted successfully");
            con.Close();
            reset();
        }
        catch (Exception ex)
        {
            Label15 .Text = (ex.Message);
        }
        auto();
    }

    protected void Button4_Click(object sender, EventArgs e)
    {
        auto();
    }
```

```
}

private void auto()
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select regno from studetail order by
regno", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();
        DropDownList3.Items.Clear();
        while (dr.Read())
        {
            DropDownList3.Items.Add(dr["regno"].ToString ());
            TextBox1.Text = (Convert.ToInt32(dr["regno"].ToString()) + 1).ToString();
        }
    }
    catch (Exception ex)
    {
        Label15 .Text =(ex.Message);
    }
}

private void reset()
{
    TextBox1.Text = "";
    TextBox2.Text = "";
    TextBox3.Text = "";
    TextBox4.Text = "";
    TextBox5.Text = "";
}
```

```

DropDownList1.Text = "";
TextBox6.Text = "";
TextBox7.Text = "";
TextBox8.Text = "";
DropDownList2.Text = "";
TextBox9.Text = "";
TextBox10.Text = "";
TextBox11.Text = "";
auto();
}

protected void DropDownList3_SelectedIndexChanged(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select * from studetail where regno=" +
        DropDownList3.SelectedValue + "", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();

        if (dr.Read())
        {
            TextBox1.Text = dr["regno"].ToString();
            TextBox2.Text = dr["name"].ToString();
            TextBox3.Text = dr["fname"].ToString();
            TextBox4.Text = dr["mname"].ToString();
            TextBox5.Text = dr["dob"].ToString();
            DropDownList1.Text = dr["community"].ToString();
            TextBox6.Text = dr["addr"].ToString();
        }
    }
}

```

```
    TextBox7.Text = dr["acc_no"].ToString();
    TextBox8.Text = dr["adhar"].ToString();
    DropDownList2.Text = dr["bgroup"].ToString();
    TextBox9.Text = dr["mob_no"].ToString();
    TextBox10.Text = dr["iden1"].ToString();
    TextBox11.Text = dr["iden2"].ToString();

}

}

catch (Exception ex)
{
    Label15.Text = (ex.Message);
}

}
```

SCHOLARSHIP

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;

public partial class mark : System.Web.UI.Page
{
```

```

public string str = "Data
Source=.\SQLExpress;AttachDbFilename=|DataDirectory|schooldb.mdf;Integrated
Security=True;Connect Timeout=30;User Instance=True";
protected void Page_Load(object sender, EventArgs e)
{
    if (!IsPostBack)
    {
        auto();
    }
}

protected void Button6_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("insert into scholar values('" +
        TextBox1.Text + "','" + TextBox2.Text + "','" + TextBox3.Text + "','" + TextBox4.Text +
        "','" + TextBox5.Text + "','" + TextBox6.Text + "','" + TextBox7.Text + "','" +
        DropDownList1.Text + "','" + TextBox8.Text + "','" + TextBox9.Text + "','" +
        TextBox10.Text + "','" + TextBox11.Text + "','" + TextBox12.Text + "','" +
        TextBox13.Text + "')", con);
        con.Open();
        cmd.ExecuteNonQuery();
        Label15.Text = ("Insert successfully");
        con.Close();
        reset ();
    }
    catch (Exception ex)
}

```

```

{
    Label15.Text = (ex.Message);
}
auto ();
}

protected void Button8_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("update scholar set name='"
+ TextBox2.Text + "',stand='"
+ TextBox3.Text + "',fname='"
+ TextBox4.Text + "',mname='"
+ TextBox5.Text + "',fincome='"
+ TextBox6.Text + "',addr='"
+ TextBox7.Text + "',community='"
+ DropDownList1.Text + "',schlamt='"
+ TextBox8.Text + "',bank='"
+ TextBox9.Text + "', accno='"
+ TextBox10.Text + "',branch='"
+ TextBox11.Text + "',attach='"
+ TextBox12.Text + "',mobno='"
+ TextBox13.Text + " where regno='"
+ TextBox1.Text + "'", con);

        con.Open();
        cmd.ExecuteNonQuery();
        Label15.Text = ("updated successfully");
        con.Close();
        reset();
    }
    catch (Exception ex)
    {
        Label15.Text = (ex.Message);
    }
    auto();
}

```

```
}

protected void Button7_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);

    try
    {
        SqlCommand cmd = new SqlCommand("delete from scholar where regno=" +
DropDownList2.SelectedItem + "", con);

        con.Open();
        cmd.ExecuteNonQuery();
        Label15.Text = ("Deleted successfully");
        con.Close();
        reset();

    }
    catch (Exception ex)
    {
        Label15.Text = (ex.Message);
    }
    auto ();
}

protected void Button9_Click(object sender, EventArgs e)
{
    reset();
    auto();
}

private void auto()
```

```

{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select regno from scholar order by
regno", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();
        DropDownList2.Items.Clear();
        while (dr.Read())
        {
            DropDownList2.Items.Add(dr["regno"].ToString ());
            TextBox1.Text = (Convert.ToInt32(dr["regno"].ToString()) + 1).ToString();
        }
    }
    catch (Exception ex)
    {
        Label15.Text =(ex.Message);
    }
}

private void reset()
{
    TextBox1.Text = "";
    TextBox2.Text = "";
    TextBox3.Text = "";
    TextBox4.Text = "";
    TextBox5.Text = "";
    TextBox6.Text = "";
    TextBox7.Text = "";
}

```

```
DropDownList1.Text = "";
TextBox8.Text = "";
TextBox9.Text = "";
TextBox10.Text = "";
TextBox11.Text = "";
TextBox12.Text = "";
TextBox13.Text = "";
auto();
}
```

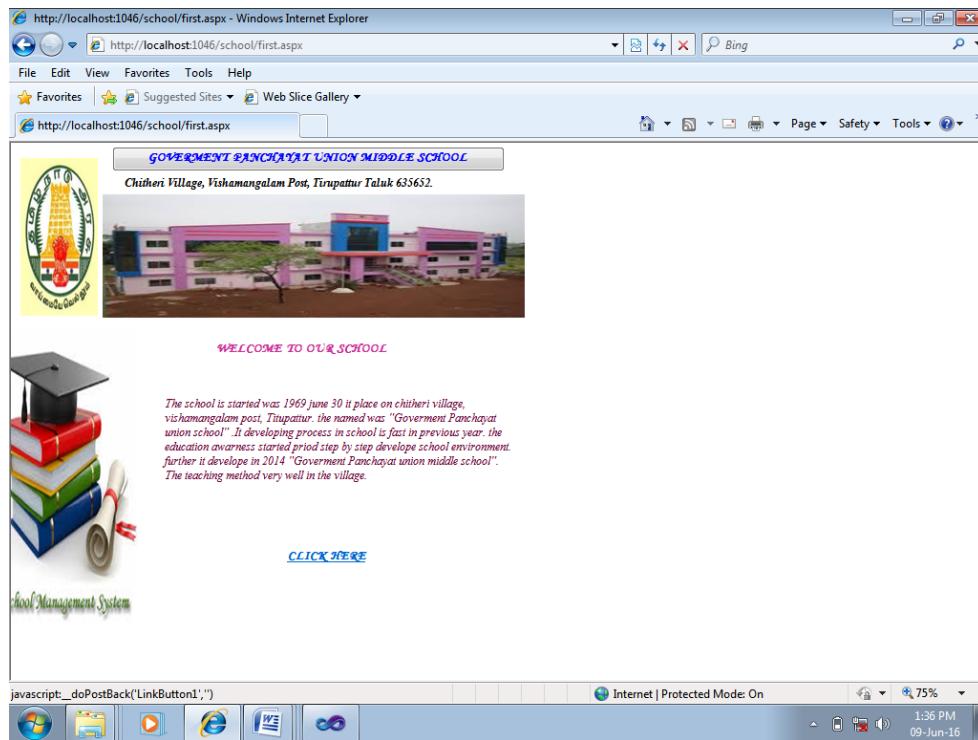
```
protected void DropDownList2_SelectedIndexChanged(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(str);
    try
    {
        SqlCommand cmd = new SqlCommand("select * from scholar where regno=" +
DropDownList2.SelectedValue + "", con);
        con.Open();
        SqlDataReader dr = cmd.ExecuteReader();

        if (dr.Read())
        {
            TextBox1.Text = dr["regno"].ToString();
            TextBox2.Text = dr["name"].ToString();
            TextBox3.Text = dr["stand"].ToString();
            TextBox4.Text = dr["fname"].ToString();
            TextBox5.Text = dr["mname"].ToString();
            TextBox6.Text = dr["fincome"].ToString();
            TextBox7.Text = dr["addr"].ToString();
        }
    }
}
```

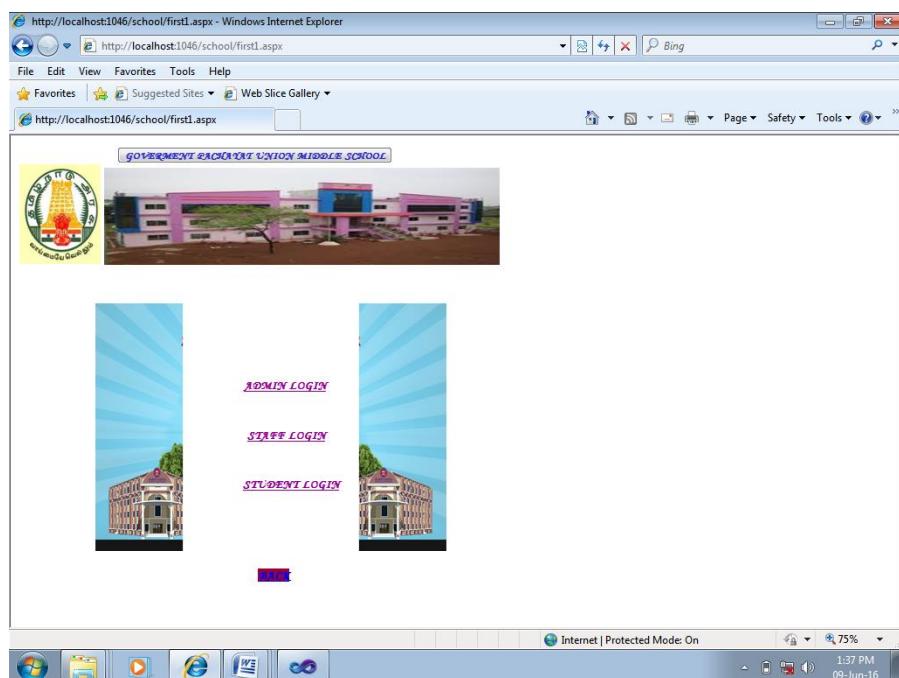
```
DropDownList1.SelectedValue=dr["community"].ToString();  
TextBox8.Text = dr["schlamt"].ToString();  
TextBox9.Text = dr["bank"].ToString();  
TextBox10.Text = dr["accno"].ToString();  
TextBox11.Text = dr["branch"].ToString();  
TextBox12.Text = dr["attach"].ToString();  
TextBox13.Text = dr["mobno"].ToString();  
}  
}  
catch (Exception ex)  
{  
    Label15.Text = (ex.Message);  
}  
}
```

10.2 SCREEN SHOTS

First Page



Home Page



Admin Login

http://localhost:1046/school/login.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

Favorites Suggested Sites Web Slice Gallery

http://localhost:1046/school/login.aspx

GOVERNMENT PANCHAYAT UNION MIDDLE SCHOOL



Admin Login

EDUCATION
IS A LUXURY
IS A MORTGAGE
IS A BUSINESS
IS A RIGHT

USERNAME PASSWORD



Label

login.aspx

Internet | Protected Mode: On

1:39 PM 09-Jun-16

Staff Login

http://localhost:1046/school/sall1.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

Favorites Suggested Sites Web Slice Gallery

http://localhost:1046/school/sall1.aspx

GOVERNMENT PANCHAYAT UNION MIDDLE SCHOOL



STAFF LOGIN

EDUCATION IS NOT THE FILLING OF A PAIL, BUT THE LIGHTING OF A FIRE
William Butler Yeats



Forget Password

USERNAME PASSWORD

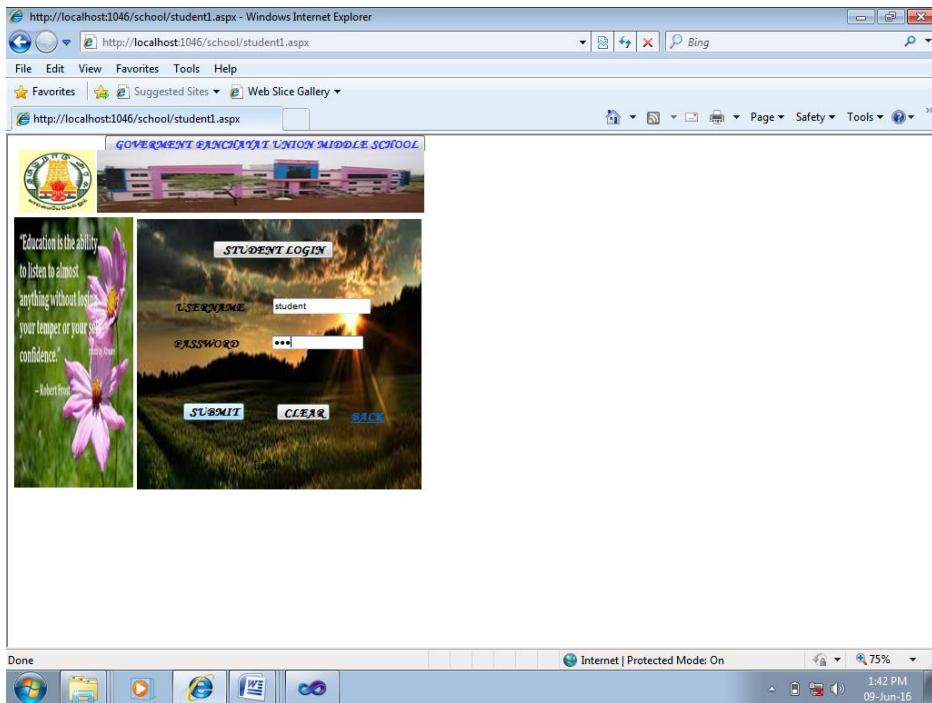
Label

sall1.aspx

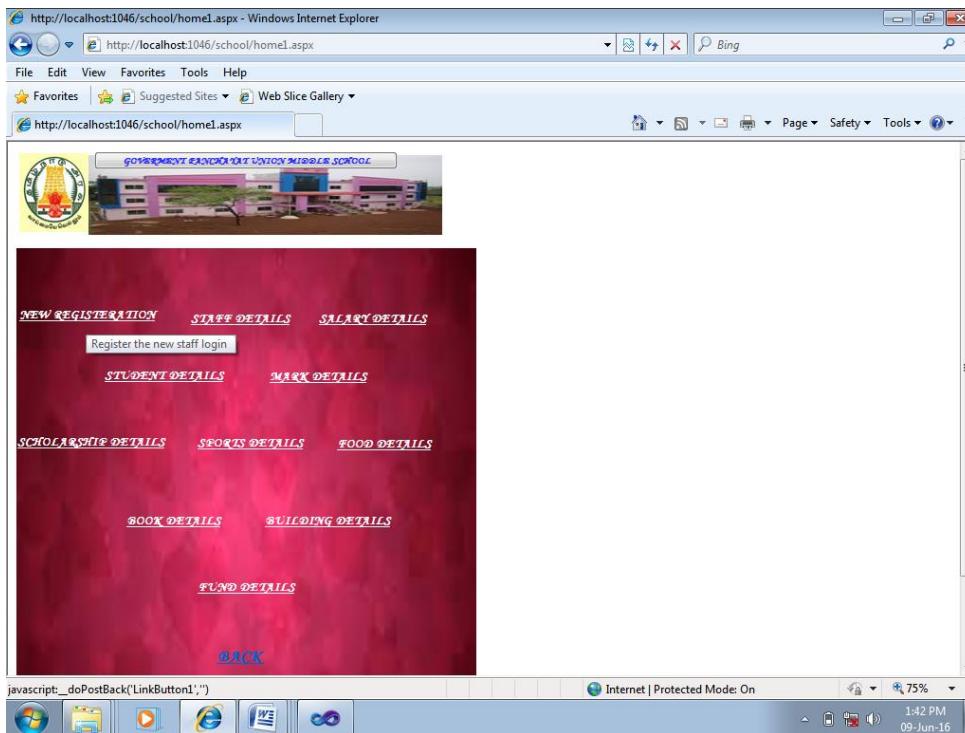
Internet | Protected Mode: On

1:40 PM 09-Jun-16

Student Login



Home page



New Registration Module

http://localhost:1046/school/register.aspx - Windows Internet Explorer - [Working Offline]

File Edit View Favorites Tools Help

Star Favorites Suggested Sites Web Slice Gallery

http://localhost:1046/school/register.aspx

NEW REGISTRATION



NAME [BACK](#)

DESIGNATION

USERNAME

PASSWORD

SECURITY QUESTION

SECURITY ANSWER

Label

SUBMIT

register.aspx

Internet | Protected Mode: On

3:17 PM 13-Jun-16

Staff Home Page

http://localhost:1046/school/sthome.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

Star Favorites Suggested Sites Web Slice Gallery

http://localhost:1046/school/sthome.aspx



LOGIN REGISTRATION

LOGIN

BACK

STAFF PAGE

Done

Internet | Protected Mode: On

2:30 PM 13-Jun-16

Staff Detail Module

http://localhost:1046/school/staff.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

☆ Favorites | ☆ Suggested Sites | Web Slice Gallery

http://localhost:1046/school/staff.aspx

GOVERNMENT RANCHORAT UNION MIDDLE SCHOOL

STAFF DETAILS

STAFF ID	101	ADDRESS	2/131, chithar, vishamangalam tirupattur	14
STAFF NAME	senbagavalli	MOBILE NO	9629538928	VIEW
FATHER NAME	kumar	EMAIL ID	asenbakumar@gmail.com	BACK
DATE OF BIRTH	29/07/1993	ADMISSION NO	78767867868	
QUALIFICATION	MSC	ACCOUNTING NO	8867886575676	
GENDER	<input type="radio"/> Male <input checked="" type="radio"/> Female	BLOOD GROUP	O	
DESIGNATION	TEACHER	Label		
DATE OF JOINING	25/10/2009			

[ADD](#) [DELETE](#) [UPDATE](#) [CLEAR](#)

staff.aspx

Internet | Protected Mode: On

1:46 PM 09-Jun-16

Salary Module

http://localhost:1046/school/salary.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

☆ Favorites | ☆ Suggested Sites | Web Slice Gallery

http://localhost:1046/school/salary.aspx

GOVERNMENT RANCHORAT UNION MIDDLE SCHOOL

SALARY DETAIL

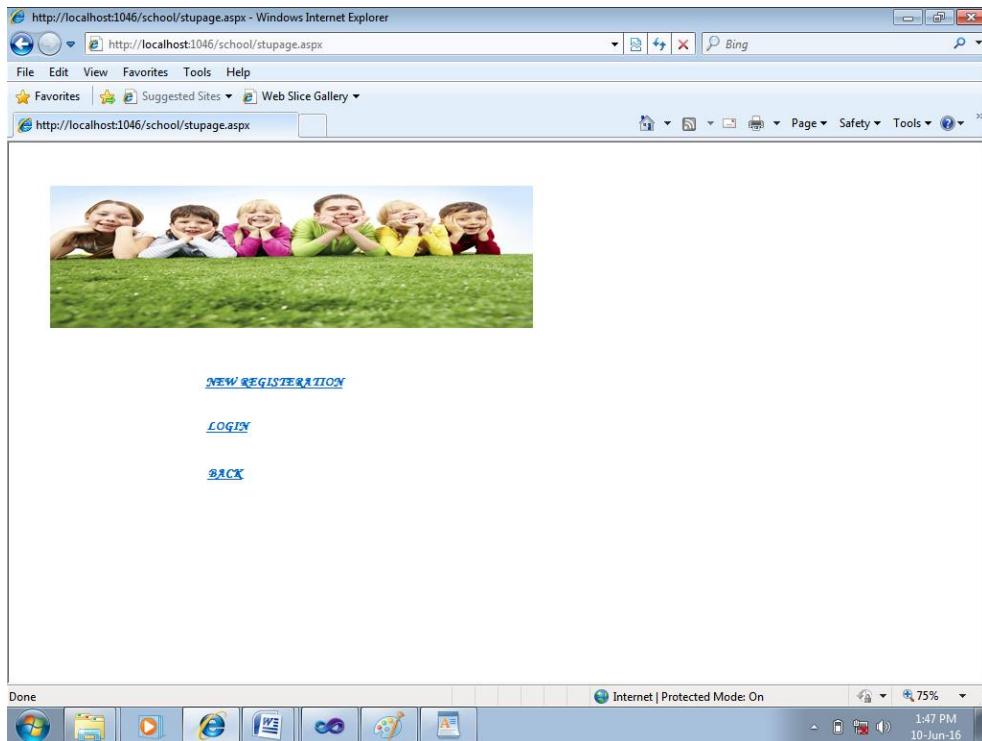
STAFF ID	17	4
STAFF NAME	sathya	VIEW
MONTH	JUN	BACK
YEAR	2016	
SALARY	12000	
DA	90	
HRA	78	CALCULATE
TA	90	
TOTAL	12258	

Label

Internet | Protected Mode: On

1:47 PM 09-Jun-16

Student Home Page



Student Detail Module

The screenshot shows the student detail module at <http://localhost:1046/school/student.aspx>. The form contains fields for personal information: REG.NO (1601), NAME (Velmurugan), FATHER'S NAME (vishva), MOTHER'S NAME (meena), GENDER (Male), DATE OF BIRTH (05-Oct-07 12:00:00 AM), COMMUNITY (BC), ADDRESS (chitheri), ACCOUNTING (678954647575), ADVICE NO (6575763655), BLOOD GROUP (A+), MOBILE NO (987676890), TATTOO LOCATION 1 (the right mole one dot), TATTOO LOCATION 2 (the left leg feet one dot), and CLASS (LKG). The background of the form features a collage of school-related images and text like "Student Data" and "2013-2014". The browser interface is identical to the previous screenshot.

Student Mark Module

http://localhost:1046/school/mark.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

Favorites Suggested Sites Web Slice Gallery

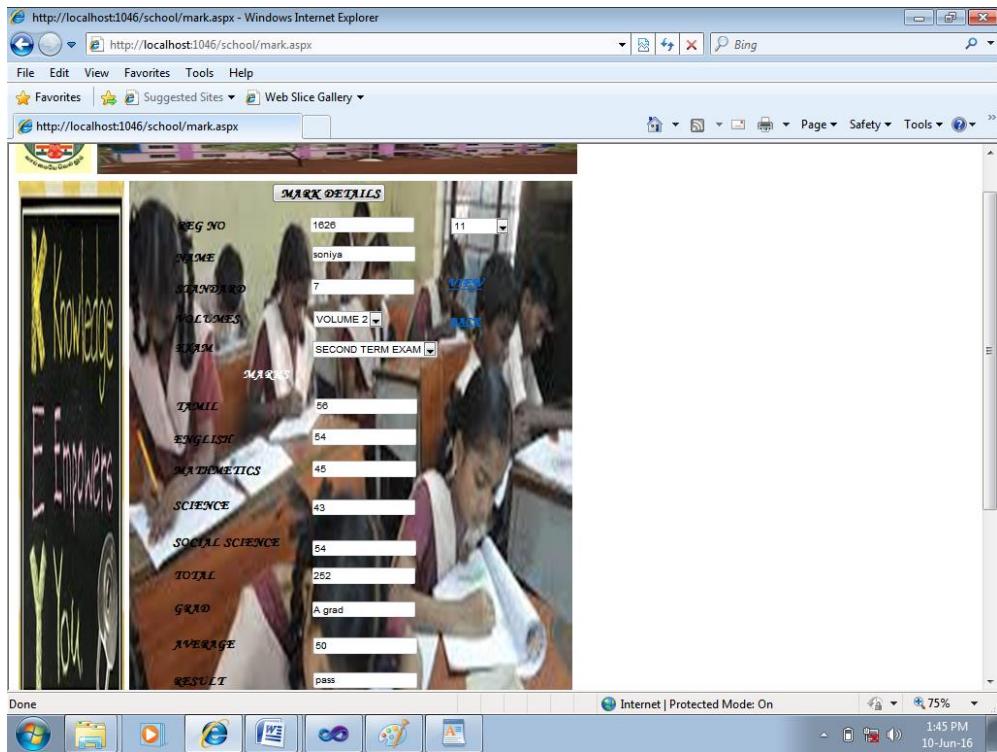
http://localhost:1046/school/mark.aspx

MARK DETAILS

REG NO 1628
NAME soniya
STANDARD 7
VOLUMES VOLUME 2
EXAM SECOND TERM EXAM

MATHS 56
TAMIL 54
ENGLISH 45
MATHEMATICS 43
SCIENCE 43
SOCIAL SCIENCE 54
TOTAL 252
GRADE A grad
AVERAGE 50
RESULT pass

Done Internet | Protected Mode: On 1:45 PM 10-Jun-16



Scholarship Detail Module

http://localhost:1046/school/scholarship.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

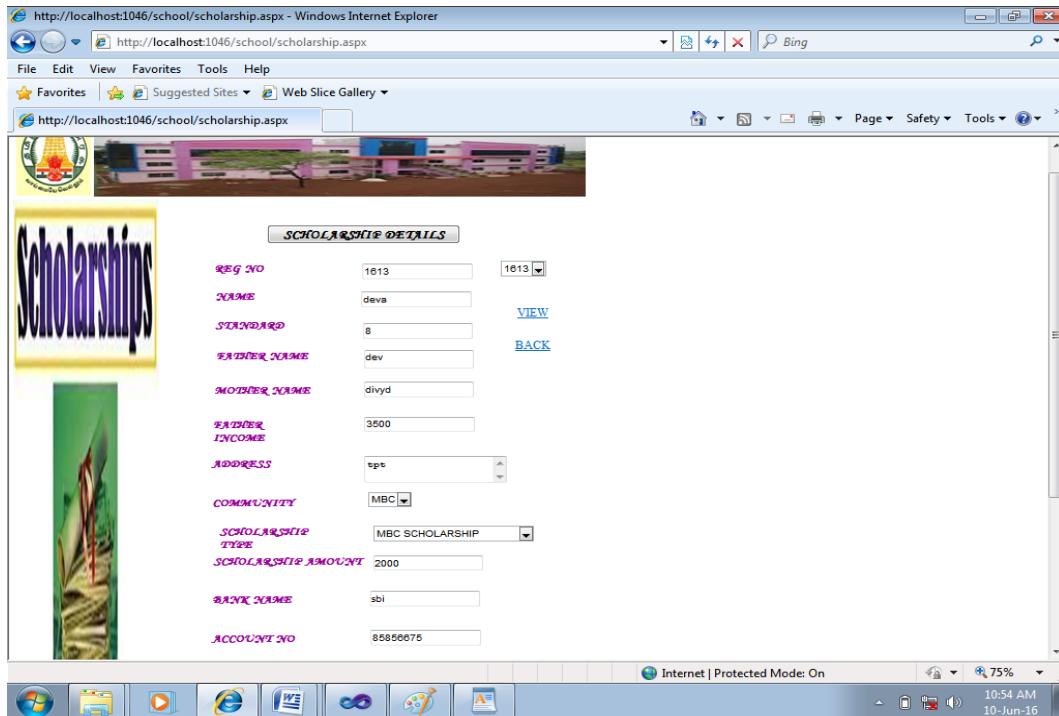
Favorites Suggested Sites Web Slice Gallery

http://localhost:1046/school/scholarship.aspx

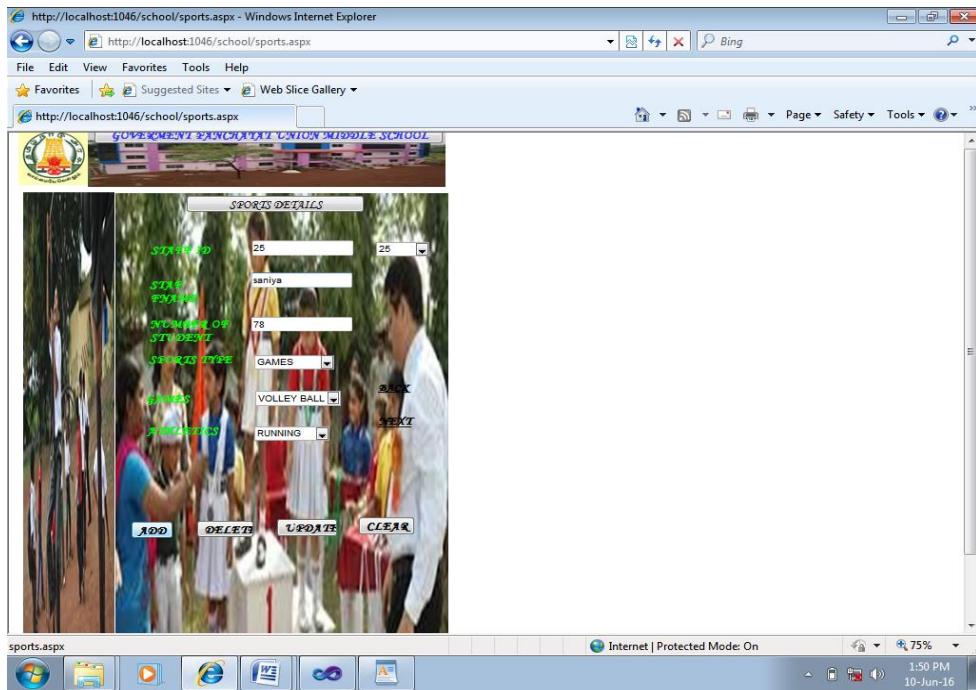
SCHOLARSHIP DETAILS

REG NO 1613
NAME deva
STANDARD 8
FATHER NAME dev
MOTHER NAME divyd
FATHER INCOME 3600
ADDRESS spt
COMMUNITY MBC
SCHOLARSHIP TYPE MBC SCHOLARSHIP
SCHOLARSHIP AMOUNT 2000
BANK NAME sbi
ACCOUNT NO 85856675

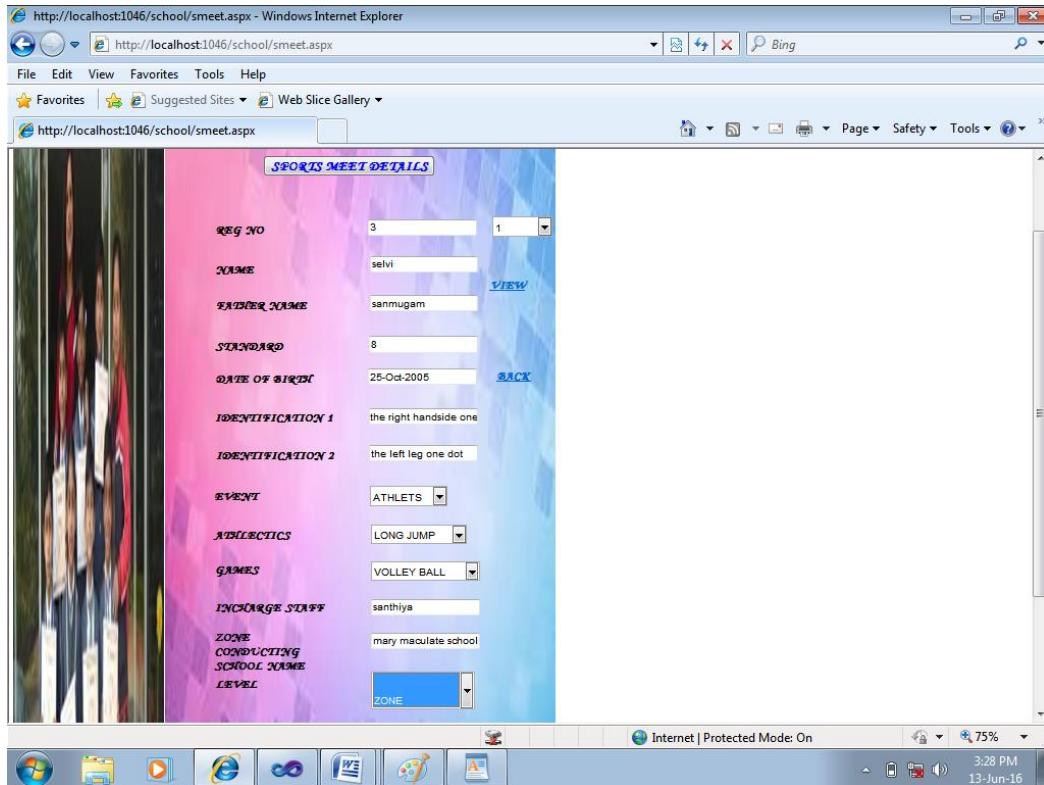
Internet | Protected Mode: On 10:54 AM 10-Jun-16



Sports Detail Module



Sports Meet Module



Food Worker Module

http://localhost:1046/school/fworker.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

Favorites Suggested Sites Web Slice Gallery

http://localhost:1046/school/fworker.aspx

GOVERNMENT BANCHATAT UNION MIDDLE SCHOOL

FOOD WORKER DETAILS

WORKER_ID	101	DESIGNATION	supervisor
WORKER_NAME	mumima	DATE OF JOINING	02-May-13 12:00:00 AM
PATHER_NAME	samugam	ACCOUNT NO	078787987
AGE	42	ACOUNT NO	567887988
QUALIFICATION	8	ADDRESS	thirumangalam
GENDER	<input checked="" type="radio"/> MALE <input type="radio"/> FEMALE	SALARY	4000
ADDRESS		MOBILE NO	987898787

[VIEW](#) [NEXT](#) [BACK](#)

[ADD](#) [DELETE](#) [UPDATE](#) [CLEAR](#)

Done Internet | Protected Mode: On 10:49 AM 10-Jun-16

Food Order Detail Module

http://localhost:1046/school/forder.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

Favorites Suggested Sites Web Slice Gallery

http://localhost:1046/school/forder.aspx

GOVERNMENT BANCHATAT UNION MIDDLE SCHOOL

FOOD ORDER DETAILS

NUMBER OF STUDENTS	3
NUMBER OF MALE	2
NUMBER OF FEMALE	1
YEAR	2016
MONTH	JAN
WEEK	WEEK 1
DAY ORDER	TUESDAY
ITEM ORDER 1	TAMOTO RICE
ITEM ORDER 2	TAMOTO MIXED EGG

[BACK](#) [VIEW](#)

Done Internet | Protected Mode: On 10:57 AM 10-Jun-16

Book Detail Module

The screenshot shows a Windows Internet Explorer window displaying a web application for managing book details. The URL is <http://localhost:1046/school/book.aspx>. The page features a header with the school's logo and a banner image of a modern building. Below the banner is a form titled "BOOK DETAILS". The form includes fields for "STANDARD" (set to 2), "SUBJECTS" (set to MATHAMETICS), "VOLUME" (set to VOLUME 1), "BEFORE STOCK" (set to 76), "RECEIVED BOOK" (set to 89), "TOTAL BOOK" (set to 165), "DISTRIBUTED BOOK" (set to 89), and "STOCK" (set to 76). There are "ADD", "UPDATE", and "CLEAR" buttons at the bottom. The background of the form area has a green chalkboard texture with a red apple on top of books.

Building Detail Module

The screenshot shows a Windows Internet Explorer window displaying a web application for managing building details. The URL is <http://localhost:1046/school/building.aspx>. The page features a header with the school's logo and a banner image of a modern building. Below the banner is a form titled "BUILDING DETAILS". The form includes fields for "BLOCK ID" (set to 4), "BLOCK NAME" (set to main), "BLOCK SIZE" (set to 90), "BLOCK CAPACITY" (set to 30), "NO OF CLASS/TABLE" (set to 10), and "INCHARGE NAME" (set to son). There are "ADD", "DELETE", "UPDATE", and "CLEAR" buttons at the bottom. The background of the form area has a blue sky and green landscape illustration.

Fund Detail Module

http://localhost:1046/school/fund.aspx - Windows Internet Explorer

File Edit View Favorites Tools Help

★ Favorites Suggested Sites Web Slice Gallery

http://localhost:1046/school/fund.aspx

GOVERNMENT FANCHINAT UNION MIDDLE SCHOOL





FUND DETAILS

DONER ID: 1 1

FUND TYPE: GENERAL FUND [VIEW](#)

DONER NAME:

GENDER: Male Female [BACK](#)

DESIGNATION: manager

ADDRESS: tiripattur

MOBILE NO: 98789789

EMAIL ID: asdefg@gmail.com

DONATION AMOUNT: 5000

type

[ADD](#) [UPDATE](#) [CLEAR](#)

fund.aspx

Internet | Protected Mode: On

1:37 PM
10-Jun-16

75%

Windows Taskbar icons: File Explorer, File, Internet Explorer, Word, Excel, Paint, Notepad.

10.3 REPORT

STAFF

staff.xps - XPS Viewer

File Permissions Signatures Find

Page 1 of 1

[BACK](#)

staff_id	staff_name	fname	dob	quali	gender	desi	djoining	addr	mob
14	sathya	sam	07-Apr-78 12:00:00 AM	MSC	Male	HEADMASTER	08-Jun-13 12:00:00 AM	utphigothjoif	746584506
15	nithya	sasi	04-Feb-94 12:00:00 AM	M.Phil		TEACHER	06-May-48 12:00:00 AM	tpt	907465354
16	sasi	sas	03-Oct-94 12:00:00 AM	MSC	Female	TEACHER	02-Jun-15 12:00:00 AM	tpt	98787868

Page 1 of 1 100% 10:12 AM 13-Jun-16

STUDENT

ST.xps - XPS Viewer

File Permissions Signatures Find

Page 1 of 1

[BACK](#)

regno	name	fname	mname	dob	community	addr	acc_no	adhar	bgroup
675	mnbmvnb	mkbnmn	bnn	03-Dec-98 12:00:00 AM	BC	ghgj	877867	87675645	AB+
1601	Velmurugan	vishva	meena	05-Oct-07 12:00:00 AM	BC	chitheri	678954647575	6575763655	A-
1602	V.vinitha	vimal	vimala	25-Oct-07 12:00:00 AM	MBC	chitheri	7587658737	53665736537	AB-

Page 1 of 1 100% 10:41 AM 13-Jun-16

WORKER

workxps - XPS Viewer

File Permissions Signatures Find

Page 1 of 1

wid	wname	fname	age	quali	gen	addr	desi	djoining	accno	adl
4	vvgfhf	hkll	67	67	MALE	jhljhkh	supervaisiou	07-Jun-34 12:00:00 AM	6798789087	7698
101	munima	sanmugam	42	8	FEMALE	vishamangalam	supervaisiou	02-May-13 12:00:00 AM	678787987	5678

[BACK](#)

Page 1 of 1 100%
10:14 AM 13-Jun-16

SALARY

salxps - XPS Viewer

File Permissions Signatures Find

Page 1 of 1

staff_id	staff_name	month	year	sal	da	hra	total
4	bgdjb	JAN	2016	9573	56	67	6786789
5	hdslf	JAN	2016	6979	6870	0	0
6	ghag	MAR	2016	7969	79585	6855747	
7	sdd	APIR	2017	5466	78	67	678678
8	fl	JAN	2016	6778	78	67	7010
9	ramya	JUN	2016	56789	78	89	57034
10	sams	APIR	2018	6000	67	78	6223
16	sasi	JAN	2016	25000	45	56	25190

Page 1 of 1 100%
10:57 AM 13-Jun-16

SCHOLARSHIP

The screenshot shows a Microsoft XPS document titled "schl.xps". The main content is a table with 12 columns: regno, name, stand, fname, mname, fincome, addr, community, schlamt, bank, accno, and branc. There are four rows of data. Below the table are two buttons: "BACK" and "submit". The status bar at the bottom shows "Page 1 of 1" and "100%".

regno	name	stand	fname	mname	fincome	addr	community	schlamt	bank	accno	branc
1612	sam	8	santhosh	devi	35000	tpt	SC	3000	sbi	75645453	vsm
1613	deva	8	dev	divyd	3500	tpt	MBC	2000	sbi	85856675	vsm
1602	V.vinitha	I	vel	viveka	12000	tpt	MBC	2000	SBI	987897789	vishaman
1602	V.vinitha	I	vel	viveka	12000	tpt	MBC	2000	SBI	987897789	vishaman

MARK

The screenshot shows a Microsoft XPS document titled "ssa.xps". The main content is a table with 13 columns: regno, name, stand, volume, term, exam, marks1, marks2, marks3, marks4, marks5, marks6, marks7, and pass. There are 13 rows of data. Below the table is a URL "http://localhost:1046/school/vmark.aspx". The status bar at the bottom shows "Page 2 of 2" and "9:37 AM 13-Jun-16".

regno	name	stand	volume	term	exam	marks1	marks2	marks3	marks4	marks5	marks6	marks7	pass
1616	divya	2	VOLUME	FIRST TERM	EXAM	45	54	43	20	54	216	B	Grad 43 fail
1617	ravi	2	VOLUME	FIRST TERM	EXAM	34	23	54	54	34	199	B	Grad 39
1618	senba	2	VOLUME	SECOND TERM	EXAM	43	34	32	54	45	208	B	Grad 41
1619	sens	1	VOLUME	SECOND TERM	EXAM	34	54	32	23	23	166	B	Grad 33 pass
1620	ela	4	VOLUME	SECOND TERM	EXAM	20	45	43	45	56	209	B	Grad 41 pass
1621	ramya	7	VOLUME	SECOND TERM	EXAM	60	50	55	20	6	191	B	Grad 38 fail
1622	soni	8	VOLUME	SECOND TERM	EXAM	60	50	50	50	50	240	B	Grad 48 pass
1623	santhiya	1	VOLUME	SECOND TERM	EXAM	23	45	56	54	43	221	B	Grad 44 pass
1624	senba	8	VOLUME	SECOND TERM	EXAM	54	43	45	34	45	221	B	Grad 44 pass
1625	V.vinitha	1	VOLUME	SECOND TERM	EXAM	25	54	45	43	34	201	B	Grad 40 pass

FUND

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fund	dname	gen	desi	addr	mob	email	damt	did
GENERAL FUND	kjflghjkf	Female	fhdjg	hfhlhgfkjg	8978786	bjkhjhjhj	6879	
GENERAL FUND	kjflghjkf	Female	fhdjg	hfhlhgfkjg	8978786	bjkhjhjhj	6879	
PARENT CLUB	sam	Male	manager	titupattur	987987686	sam@gmil	4000	1
PARENT CLUB	sam	Male	manager	titupattur	987987686	sam@gmil	4000	1

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FOOD ORDER

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day_id	day	week	item1	item2	type
1	MONDAY	WEEK 1	VEGETABLE BRIYANI	PEPPER MIXED EGG	
2	MONDAY	WEEK 1	VEGETABLE BRIYANI	PEPPER MIXED EGG	VEGETABLE BRIYANI
445	WEDNESDAY	WEEK 3	KARILEAF RICE	ONION AND TAMOTO MIXED EGG	BISIBELABATH
2	TUESDAY	WEEK 1	TAMOTO RICE	TAMOTO MIXED EGG	VEGETABLE BRIYANI
3	WEDNESDAY	WEEK 1	PULAVU	BOILED EGG	PULAVU

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BOOK

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stand	sub	vol	bstock	rbook	tbook	dbook	stock
0	TAMIL	VOLUME 1	0	0	0	0	0
1	TAMIL	VOLUME 1	20	50	70	40	30
2	MATHAMETICS	VOLUME 1	76	89	90	89	78
2	ENGLISH	VOLUME 2	10	60	70	65	5
2	TAMIL	VOLUME 1	24	20	44	10	34
2	MATHAMETICS	VOLUME 1	76	89	165	89	76

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SPORTS MEET

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regno	name	fname	stand	dob	iden1	iden2	event	athlet	game	staff	zone
1	ghkh	hgjhgl	8	09-Jun-67 12:00:00 AM	hijklhh	jhgjik	GAMES	LONG JUMP	VOLLEY BALL	uygougtuy	fyyugo
2	hgjik	jhjkjh	8	09-Jun-67 12:00:00 AM	ygfjhgjugs	sss	ATHLETS	RUNNING	VOLLEY BALL	gjhgiu	yfuyg

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CHAPTER 11

REFERENCES

Following books are referred for developing this project:

- “ASP.NET COMPLETE REFERENCE”, MCGRAW-HILL EBOOKS
By HERBERT SCHILDT
- “SOFTWARE ENGINEERING”, SIXTH EDITION, TATA MC GRAW HILL
By ROGER S. PRESSMAN
- “DATABASE SYSTEM CONCEPTS”, FIFTH EDITION, TATA MC GRAW HILL **By HENRY F. KORTH**
- SYSTEM ANALYSIS AND DESIGN **By ALIAS M. AWAD**

Website visited:

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2. www.projectcode.com
3. www.plus2net.com/sql_tutoria
4. www.W3Schools.com for CSS Tutorials
5. <http://forums.asp.net>

