FACULTY OF ENGINEERING SCIENCES AND TECHNOLOGY
Hamdard Institute of Engineering & Technology
Hamdard University

Data Structure & Algorithm (LAB) Project

School Management System

TOMORROW IS OUR DESTINY!

GROUP MEMBERS
TEACHER: RAJESH KUMAR

SAGAR ABBAS | 1356-2017

Objectives of the project

The Objective of this program is to give a mini sample project to work on real life projects. These applications help us build a larger more robust application.

The objective is not to teach the software's but to provide me a real life scenario and help me to create basic applications using the tools.

I have decided to built a Small School Management System just to figure out what I have Learn from Data Structure & Algorithm(DSA) course.**My Project built on Netbean using Java and SQL.**

In My School Management System project have carried following things:

- **Studend Registration.**
- **View All Student in Record.**
- **Delete Student in Record.**
- **Update Student in Record.**
- **Search Student in Record.**
- **Attendance Record**
- **Result**

I tried to make out my Application User Inter face friendlier by which the User can easily handle all the Information.

ACKNOWLEDGMENT

I am representing my Project "School Management System". I have tried to take all relevant and necessary requirements into my consideration so that this project may become comprehensive.

This is my 3rd Semester Lab Project. I have tried my level best and developed it in Netbean. I have make a small school management system namely Austin Rising School as my final Lab Project.

I would like to thank my team member Sir Rajesh Kumar for their Support and Guidance.

THANKYOU!

PROJECT REQUIREMENT

The School Austin Rissing is in essence absolute application to help overall administration of your school. School Austin Rissing formulates the best use of information available to it and churns out the more useful essentials from a large amount of information available in the database thereby allowing you to take managerial decision leading to better management of resources and analysis of effectiveness of management decisions.

The attendance module helps in keeping a tab on the attendance of students. By the use of this admin will have the full month view of the attendance of all the batches? The module offers a variety of reports to show attendance records.

Admin Module ease the administrative burden for the school office and teachers by centrally managing information on

Admin Module:

- **Group (computer/biology e.tc).**
- **Student INFORMATION.**
- **Batch information.**
- **Registered (Insert, Update, Delete)**
- **Attendance Report.**
- **Find all paid/unpaid student fees.**
- **Result Information**

Project Plan

Using the tutorial, the examinee learns how a typical operating system functions, including schedulers, interrupt handlers, jobs, and system services.
I decided to start the work with the formation of database because a strong database is the key of good Application.
I tried to make out Application User Inter face friendlier by which the Admin can easily handle all the Information.
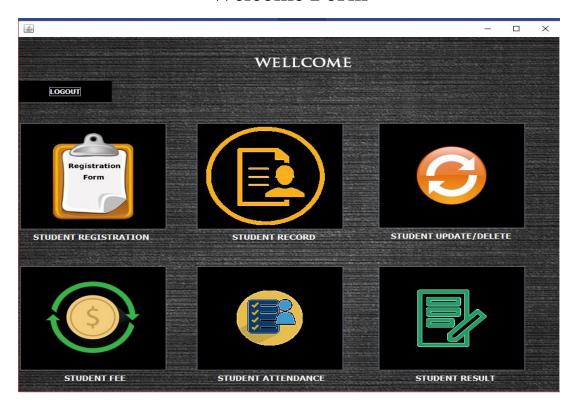
SQL database

LAPTOP-OASP3DRI.s...rdb - dbo.sagartb

Column Name	Data Type	Allow Nulls
sno	int	☐
name	varchar(50)	☐
password	varchar(50)	☐
		☐

LAPTOP-OASP3DRI.sagardb - dbo.tblfee

Column Name	Data Type	Allow Nulls
sno	int	☐
Name	varchar(50)	☐
Father_Name	varchar(50)	☐
Class	varchar(50)	☐
Roll_No	varchar(50)	☐
Groups	varchar(50)	☐
Phone	varchar(50)	☐
Status	varchar(50)	☐
Paid_Month	varchar(50)	☐
Date	date	☐
		☐

LAPTOP-OASP3DRI.s...db - dbo.resulttbl

Column Name	Data Type	Allow N
sno	int	☐
Name	varchar(50)	☐
Father_Name	varchar(50)	☐
Class	varchar(50)	☐
Roll_No	varchar(50)	☐
Groups	varchar(50)	☐
Phone	varchar(50)	☐
Status	varchar(50)	☐
Grade	varchar(50)	☐

LAPTOP-OASP3DRI.s...rdb - dbo.Table_3

Column Name	Data Type	Allow Nulls
sno	int	☐
Name	varchar(50)	☐
Father_Name	varchar(50)	☐
Age	varchar(50)	☐
DOB	date	☐
Address	varchar(50)	☐
DOA	date	☐
Gender	varchar(50)	☐
Class	varchar(50)	☐
Roll_No	varchar(50)	☐
Groups	varchar(50)	☐
Phone	varchar(50)	☐

LAPTOP-OASP3DRI.s...b - dbo.tblattend*

Column Name	Data Type	Allow Nulls
	int	☐
Name	varchar(50)	☐
Father_Name	varchar(50)	☐
Class	varchar(50)	☐
Roll_No	varchar(50)	☐
Groups	varchar(50)	☐
Status	varchar(50)	☐
DOM	date	☐
DDD	varchar(50)	☐
		☐

Login Panel

Welcome Form

Student Register Form

Student Info Table

STUDENT INFORMATION

-------SEARCH BY NAME-------

sno	Name	Father_...	Age	DOB	Address	DOA	Gender	Class	Roll_No	Groups
30	usman ...	gabol ...	12	...	2019-0...	C-105 P...	2019-0...	Male ...	FIVE ...	1546-2...	Biology ...
16	ali ...	noman ...	20	...	1996-0...	A-1666 ...	2019-0...	Male ...	SEVEN ...	1459-2...	Comput...
17	samree...	naeem	20	...	1996-0...	A-1666 ...	2019-0...	Female ...	ONE ...	1456-2...	Comput...
32	ahsan ...	chundri...	10	...	2019-0...	C-105 P...	2019-0...	Male ...	THREE ...	1546-2...	Comput...
33	tanveer...	ahmed ...	8	...	2019-0...	C-105 P...	2019-0...	Male ...	ONE ...	1546-2...	Comput...
34	tahira ...	rizwan ...	8	...	2019-0...	C-105 P...	2019-0...	Female ...	TWO ...	1546-2...	Biology ...
36	hamza ...	malik ...	8	...	2019-0...	C-105 P...	2019-0...	Male ...	TWO ...	1546-2...	Biology ...
38	amir ...	khushik ...	15	...	2019-0...	C-105 P...	2019-0...	Male ...	TEN ...	1456-2...	Comput...
39	zafar ...	sandhilo...	15	...	2019-0...	C-105 P...	2019-0...	Male ...	TEN ...	1456-2...	Comput...
28	rizwan ...	ali ...	20	...	2019-0...	C-105 P...	2019-0...	Male ...	SEVEN ...	1488-2...	Biology ...
29	parveen...	rizwan ...	15	...	2019-0...	C-105 P...	2019-0...	Female ...	FIVE ...	1546-2...	Biology ...
12	sagar ...	abbas ...	18	...	1996-0...	A-1666 ...	2019-0...	Male	ONE ...	1356-2...	Comput...

Student Update Form

STUDENT UPDATE FORM

NAME

FATHER NAME

AGE

DOB

1/7/19

ADDRESS

DOA

1/7/19

Gender

- Male   - Female

----------SELECT GROUP----------

----------SELECT STANDERD----------

ROLL NO

PHONE

UPDATE   DELETE

RELOAD

sno	Name		Father_Name		Age		DOB	Address	DOA	Gender		Class		Roll_No		Groups	
30	usman	...	gabol	...	12	...	2019-01-07	C-105 PHASE-...	2019-01-07	Male	...	FIVE	...	1546-2017	...	Biology	...
16	ali	...	noman	...	20	...	1996-01-08	A-1666 PHASE...	2019-01-06	Male	...	SEVEN	...	1459-2017	...	Computer	...
17	samreen	...	naeem	...	20	...	1996-01-02	A-1666 PHASE...	2019-01-01	Female	...	ONE	...	1456-2017	...	Computer	...

Student Fee Info

Student Attendance Info

sno	Name		Father_Name		Class		Roll_No		Groups		Status		DOM
6	sagar	...	abbas	...	ONE	...	1356-2017	...	Computer	...	P	...	2019-01-07
9	ali	...	noman	...	ONE	...	1356-2017	...	Computer	...	A	...	2019-01-03
14	hashim	...	khushik	...	ONE	...	1356-2017	...	Computer	...	A	...	2019-01-04
7	sagar	...	abbas	...	ONE	...	1356-2017	...	Computer	...	P	...	2019-01-02
8	sagar	...	abbas	...	ONE	...	1356-2017	...	Computer	...	P	...	2019-01-03

Task sheet

S.No	Task	Duration	Group Members	Status
1	**Analyzing**	**1 days**	**Rajesh kumar & Sagar Abbas**	**Completed**
2	**Prototype**	**1 days**	**Sagar Abbas**	**Completed**
3	**Design**	**3 days**	**Sagar Abbas**	**Completed**
4	**Development**	**3 days**	**Sagar Abbas & Rajesh Kumar**	**Completed**
5	**Testing**	**1 days**	**Sagar Abbas**	**Completed**
6	**Documentation**	**1day**	**Sagar Abbas**	**Completed**

Final checklist

Particulars	Checked
Database (SQL)	✔
Java code	✔
Student insert	✔
Student Update/Delete	✔
Student Info	✔
Fee Info	✔
Attendance Report	✔
Result	✔
Fee Report	✔
Final Project	✔

Team Member's

MEMBER	ENROLLMENT NO.
SAGAR ABBAS	1356-2017
RAJESH KUMAR	---

RESPECTED TEACHER

Sir Rajesh Kumar

BATCH CODE : Fall/2017

THANK YOU