



A Project

Report On

STUDENT MANAGEMENT SYSTEM

By

POOJA DOLE

BE(EXTC)

Batch: 2021 – 6335

Center : Thane

Under the Guidance of,

Ms. ANJANA SARODE

Technical Trainer

(School of coding)

Introduction:

Our project explains about the Student Management System. This project mainly explains the various actions related to students. You can search various details and shuffle according to category. Our Project Include

Modules:-

- Adding Student Modules
- Updating Student Modules
- Delete Modules

I have developed a simple Student Management System web application using **Spring Boot, Spring MVC, Thymeleaf, Spring Data JPA and MySQL Database**. And I have also used **HTML, CSS, JavaScript and Bootstrap**.

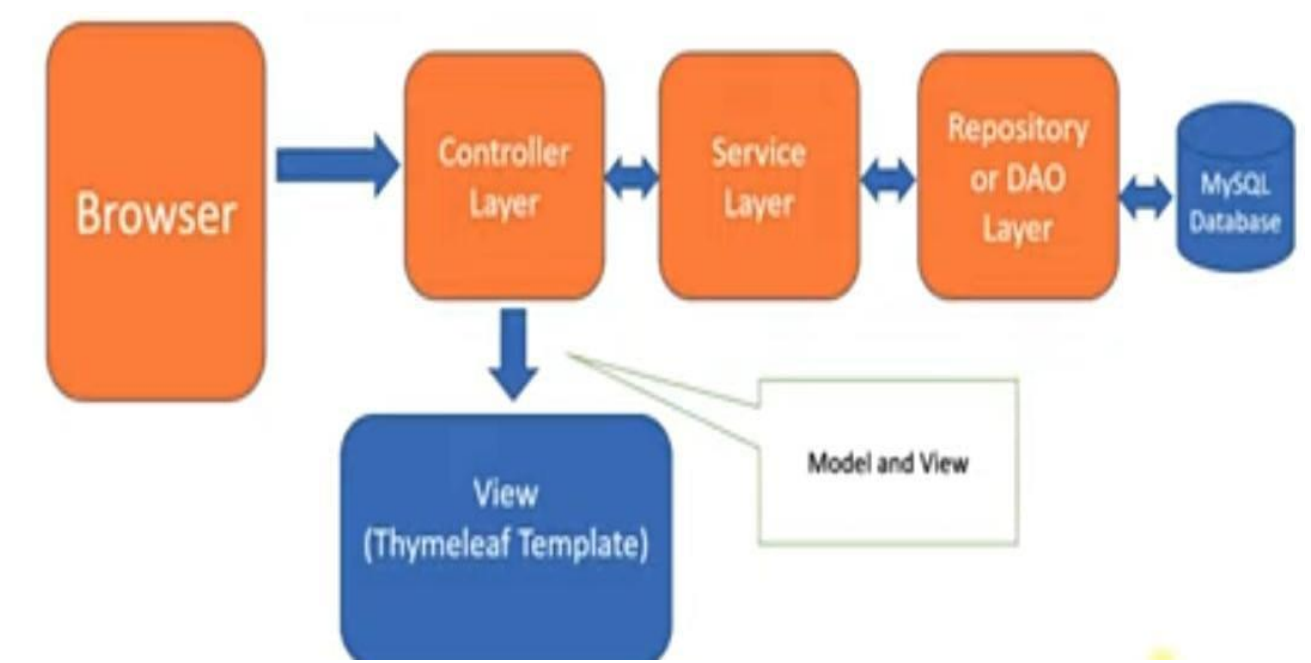
The main feature of the project is to You can access this website from anywhere and everywhere.

Add Student Details: In this module User gets the data from the database and adding new details into students while adding the data into the list, check for unique columns.

Update Student Details: This update module is used to update the student records. This function does not ask for new details for all the fields but the user should be able to pick and choose what he want to update.

Delete Student Details: This delete module is used to delete the student records.

Spring Boot mvc project Structure:



Requirements:

Front end: Java, Thymeleaf, springBoot REST-API technologies , Hibernate, spring data Jpa.

Back end: MySQL workbench 8.0.23CE.

Middleware/Server: Apache Tomcat v8.5.IDE spring boot.

Browser: Best result on Google Chrome

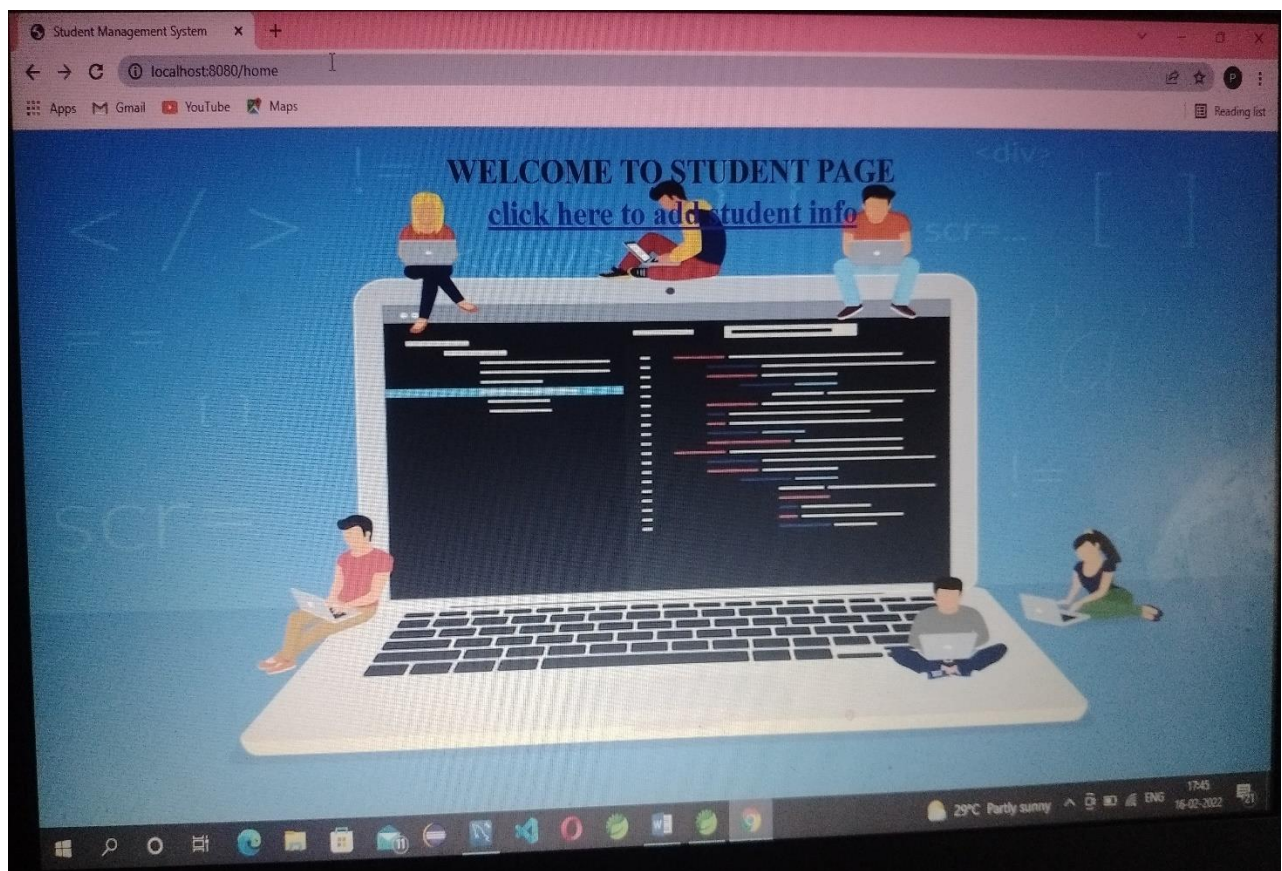
Operating System: Window 10.

Data Dictionary:

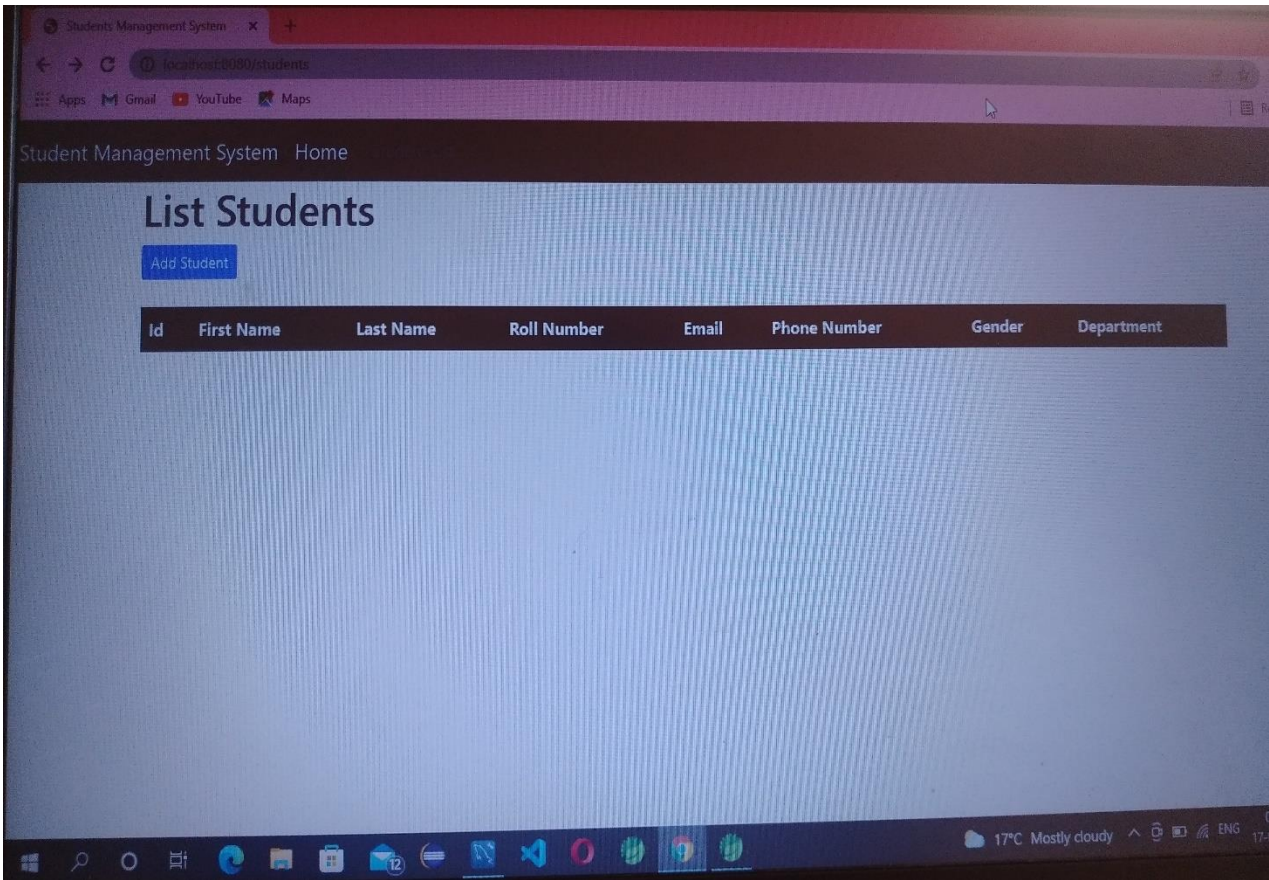
- Create Database sms;
- Hibernate: create table Students (Id integer not null auto_increment, first_name varchar(255), last_name varchar(255), Roll number varchar(255), email varchar (255), phone_no long, Gender varchar (255), department varchar(255), engine=InnoDB

Screenshots:

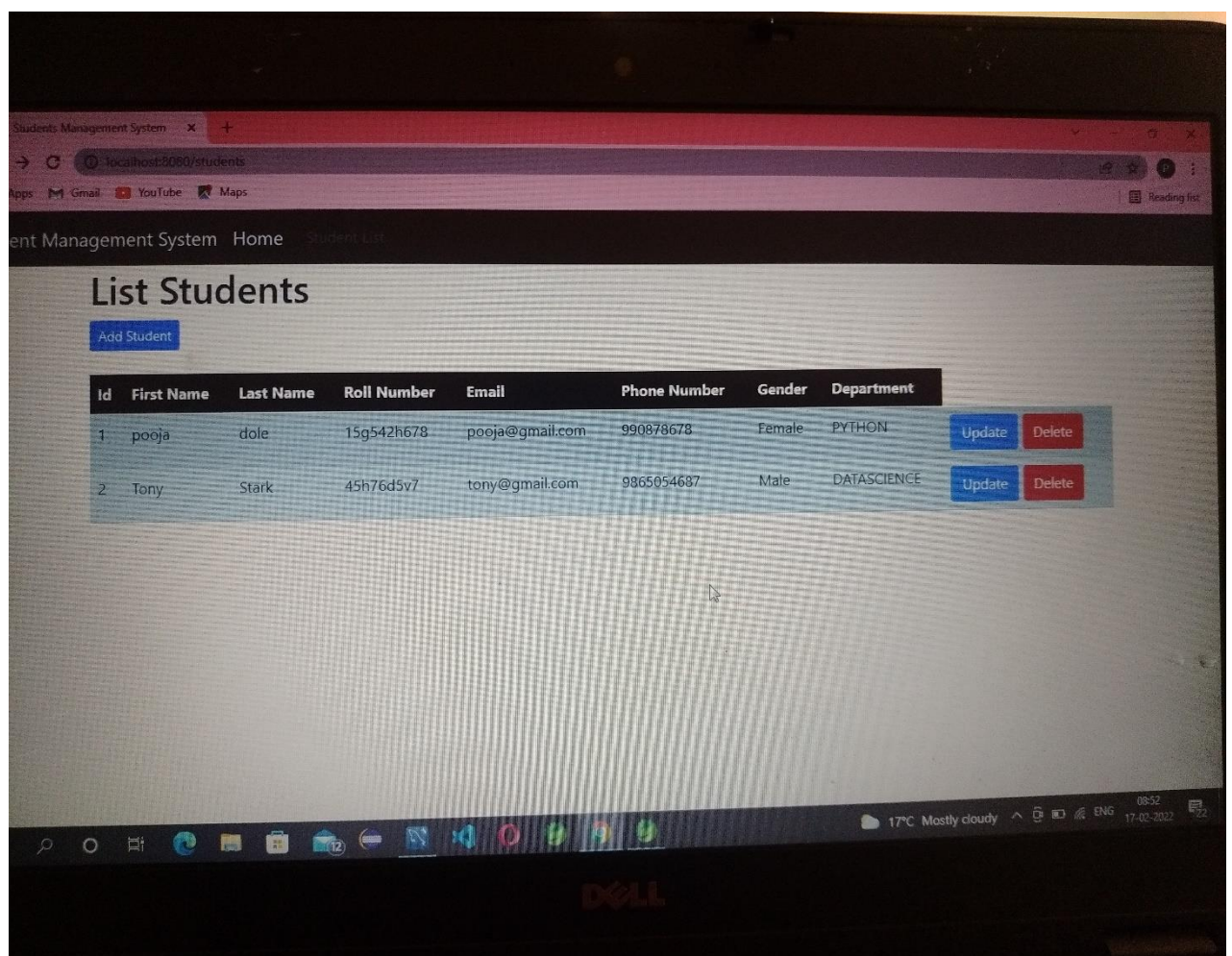
Home Page:



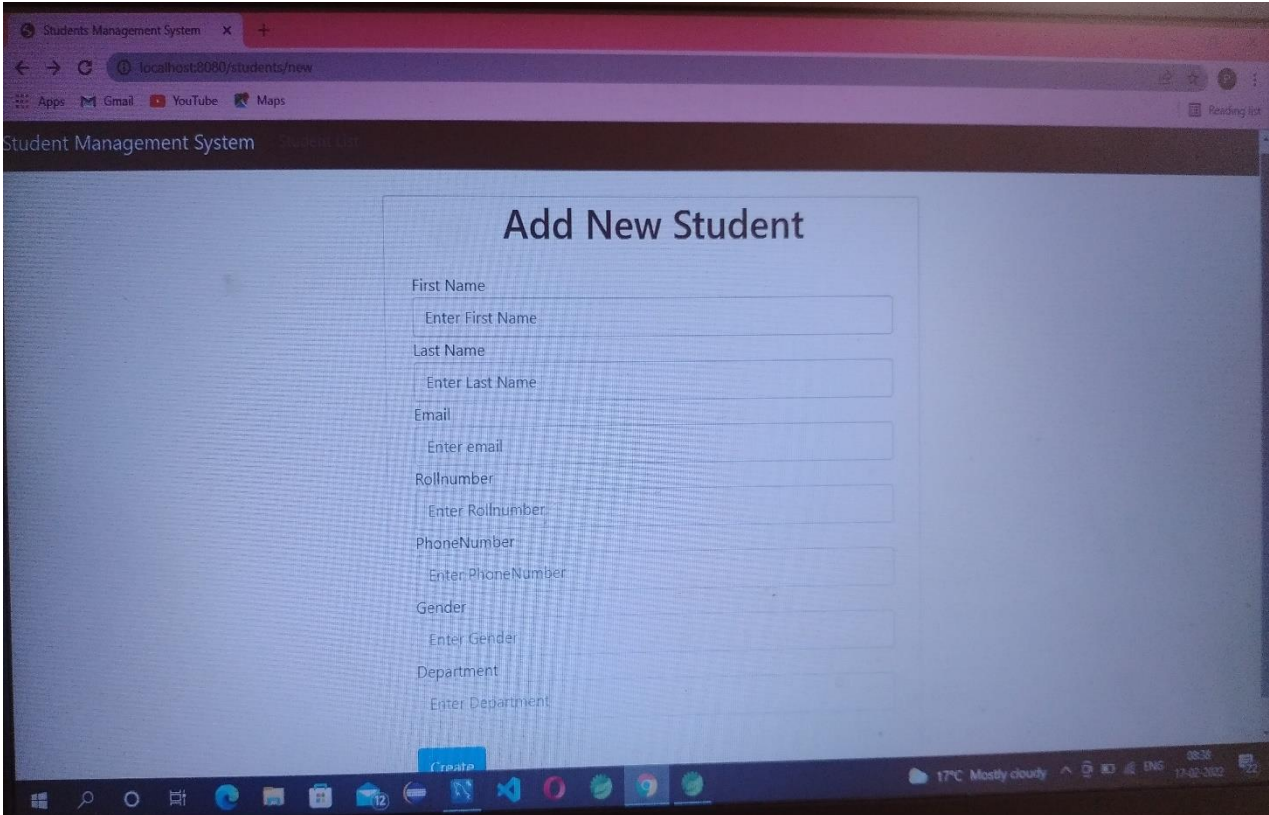
Login Page:



Add student data:



Adding with Student Details:



The screenshot displays a web browser window with the title 'Students Management System'. The address bar shows the URL 'localhost:8080/students/new'. The browser's taskbar at the bottom includes icons for 'Apps', 'Gmail', 'YouTube', and 'Maps'. The page content features a header 'Student Management System' and a sub-header 'Student List'. The main section is titled 'Add New Student' and contains a form with the following fields: 'First Name' (with placeholder 'Enter First Name'), 'Last Name' (with placeholder 'Enter Last Name'), 'Email' (with placeholder 'Enter email'), 'Rollnumber' (with placeholder 'Enter Rollnumber'), 'PhoneNumber' (with placeholder 'Enter PhoneNumber'), 'Gender' (with placeholder 'Enter Gender'), and 'Department' (with placeholder 'Enter Department'). A blue 'Create' button is positioned at the bottom of the form. The Windows taskbar at the very bottom shows the system clock as 08:36 on 13-02-2022, along with weather information (17°C Mostly cloudy) and language settings (ENG).

Students Management System

localhost:8080/students/new

Apps Gmail YouTube Maps

Student Management System Student List

Add New Student

First Name
Enter First Name

Last Name
Enter Last Name

Email
Enter email

Rollnumber
Enter Rollnumber

PhoneNumber
Enter PhoneNumber

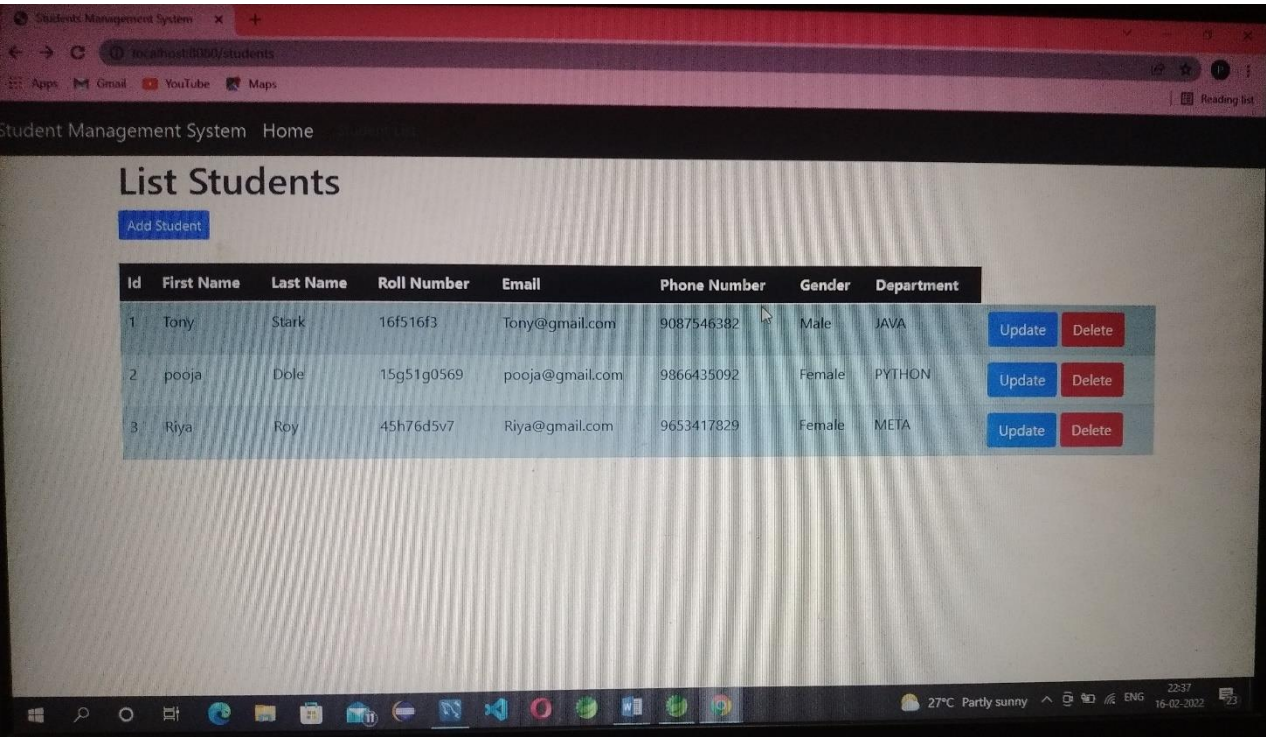
Gender
Enter Gender

Department
Enter Department

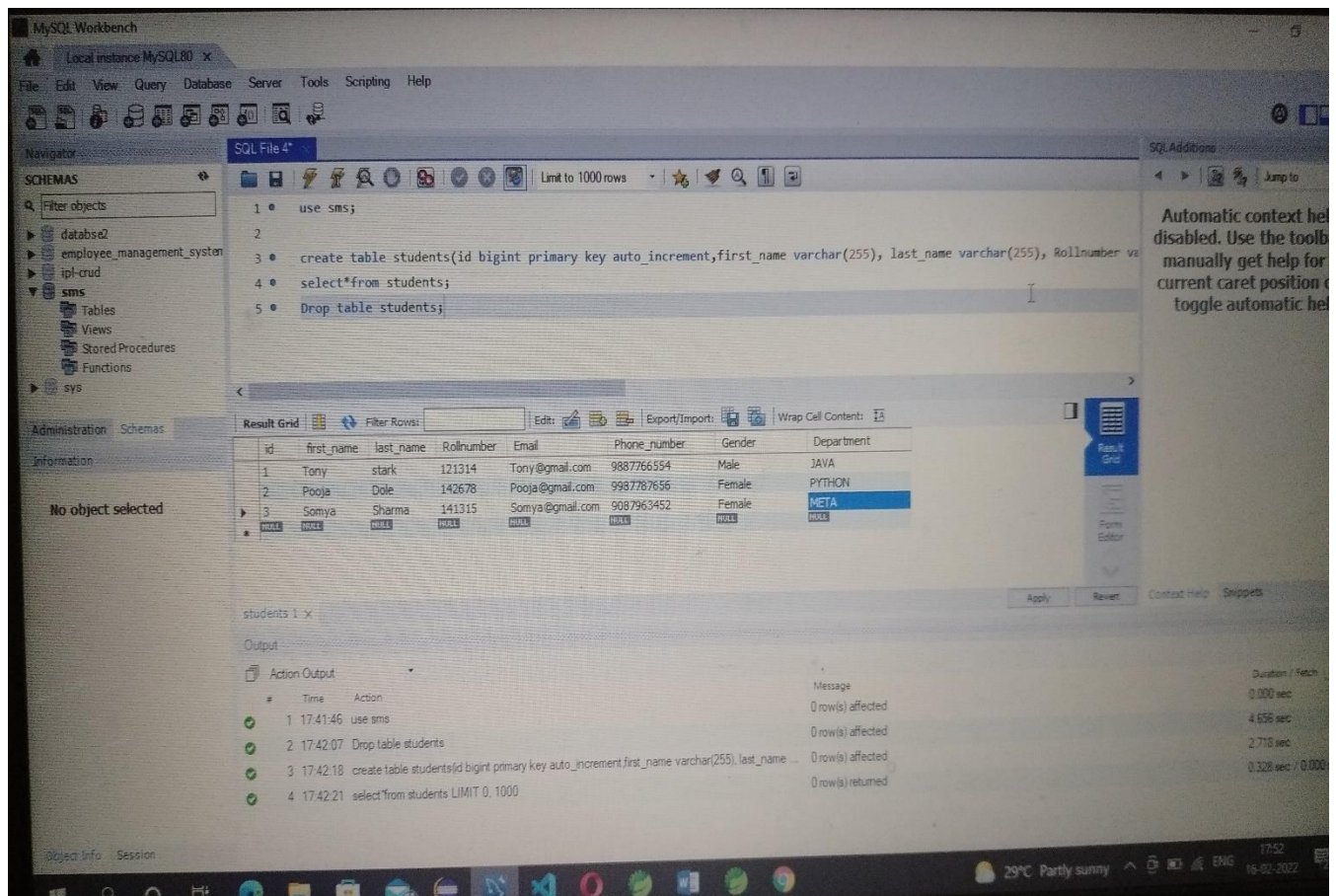
Create

17°C Mostly cloudy 08:36 13-02-2022 ENG

SuccessFully Done.



Added in Database Successfully:



The screenshot displays the MySQL Workbench interface. The SQL editor shows the following script:

```
1 use sms;
2
3 create table students(id bigint primary key auto_increment,first_name varchar(255), last_name varchar(255), Rollnumber va
4 select*from students;
5 Drop table students;
```

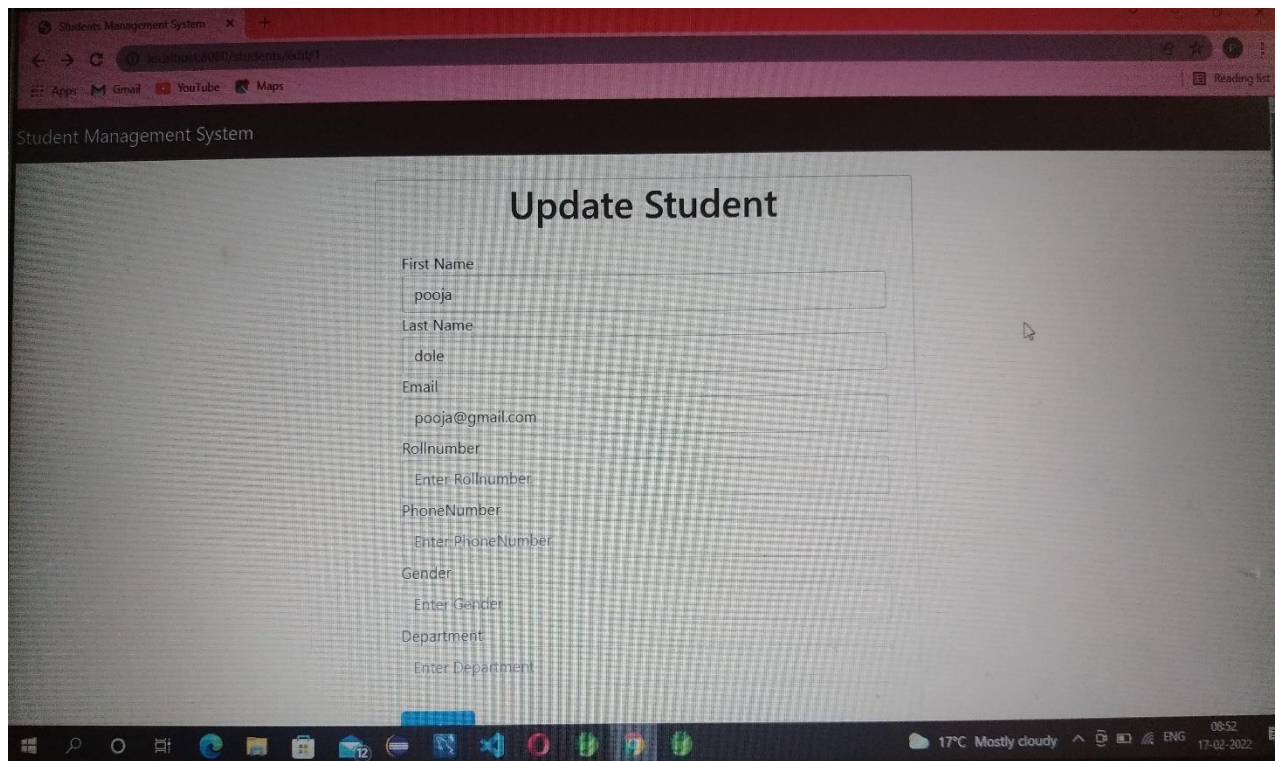
The output pane shows the execution results for the script:

#	Time	Action	Message	Duration / Fetch
1	17:41:46	use sms	0 row(s) affected	0.000 sec
2	17:42:07	Drop table students	0 row(s) affected	4.656 sec
3	17:42:18	create table students(id bigint primary key auto_increment,first_name varchar(255), last_name	0 row(s) affected	2.710 sec
4	17:42:21	select*from students LIMIT 0, 1000	0 row(s) returned	0.328 sec / 0.000

The table structure for 'students' is also displayed:

id	first_name	last_name	Rollnumber	Email	Phone_number	Gender	Department
1	Tony	stark	121314	Tony@gmail.com	9887766554	Male	JAVA
2	Pooja	Dole	142678	Pooja@gmail.com	9987787656	Female	PYTHON
3	Somya	Sharma	141315	Somya@gmail.com	9087963452	Female	META

Update Student Details:



The screenshot shows a web browser window with the title 'Student Management System'. The address bar displays 'localhost:3000/student/update/1'. The browser's tab bar shows 'Students Management System'. The page content includes a header 'Student Management System' and a main form titled 'Update Student'. The form contains the following fields:

- First Name: pooja
- Last Name: dole
- Email: pooja@gmail.com
- Rollnumber: Enter Rollnumber
- PhoneNumber: Enter PhoneNumber
- Gender: Enter Gender
- Department: Enter Department

The Windows taskbar at the bottom shows the system clock as 08:52 on 17-02-2022, with weather information: 17°C Mostly cloudy.

Updated Student Data:

Students Management System Home Students

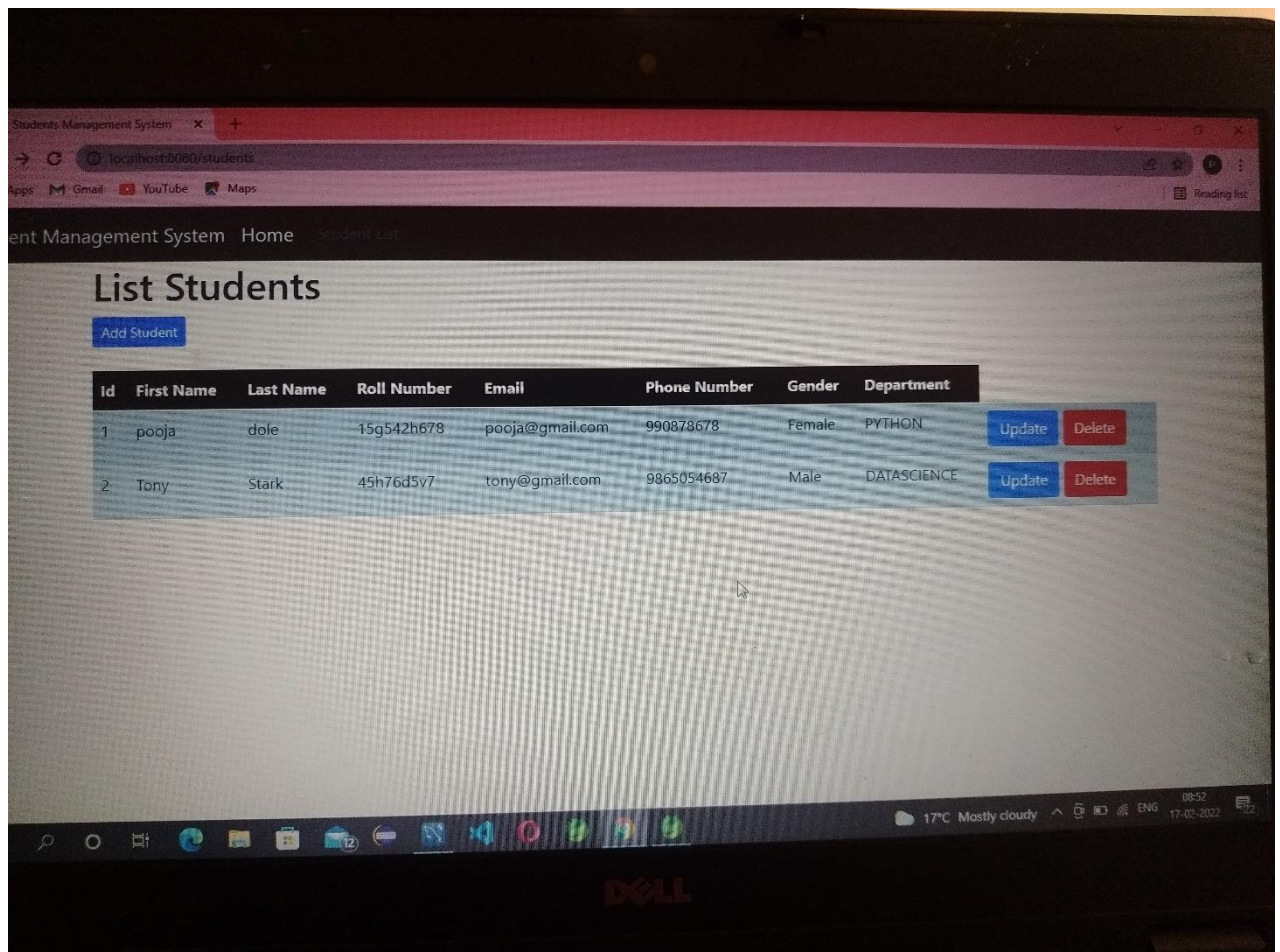
List Students

[Add Student](#)

Id	First Name	Last Name	Roll Number	Email	Phone Number	Gender	Department		
1	Tony	Stark	16f516f3	Tony@gmail.com	9087546382	Male	JAVA	Update	Delete
2	pooja	Dole	15g51g0569	pooja@gmail.com	9866435092	Female	PYTHON	Update	Delete
3	Riya	Roy	45h76d5v7	Riya@gmail.com	9653417829	Female	META	Update	Delete

27°C Partly sunny 22:37 16-02-2022

Delete student data:



Thank You!