DBMS MINI PROJECT

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INDEX-

INTRODUCTION

1.1 OBJECTIVES:

- The main objective of the project is to design and develop a user friendly-system
- Easy to use and an efficient computerized system.
- To develop an accurate and flexible system, it will eliminate data redundancy.
- To study the functioning of Students management System.
- To make a software fast in processing, with good user interface.
- To make software with good user interface so that user can change it and it should be used for a long time without error and maintenance.
- To provide synchronized and centralized farmer and seller database.
- Computerization can be helpful as a means of saving time and money.
- To provide better Graphical User Interface (GUI).
- Less chances of information leakage.
- Provides Security to the data by using login and password method.
- To provide immediate storage and retrieval of data and information.
- Improving arrangements for students coordination.
- Reducing paperwork.

1.2 LIMITATIONS:

- Time consumption in data entry as the records are to be manually maintained faculties a lot of time.
- Lot of paper work is involved as the records are maintained in the files and registers.
- Storage Requires as files and registers are used the storage space requirement is increased.
- Less Reliable use of papers for storing valuable data information is not at all reliable.
- Aadhar linkage with the official aadhar database has not been done.

STUDY OF EXISTING SYSTEM

2.1 CASE STUDY

The success of any organization such as MIT WPU hinges on its ability to acquire accurate and timely data about its operations, to manage this data effectively, and to use it to analyze and guide its activities. Integrated student database system offer users (Student, Registrar, HOD) with a unified view of data from multiple sources. To provide a single consistent result for every object represented in these data sources, data fusion is concerned with resolving data inconsistency present in the heterogeneous sources of data. The main objective of this project is to build a rigid and robust integrated student database system that will track and store records of students. This easy-to-use, integrated database application is geared towards reducing time spent on administrative tasks. The system is intended to accept process and generate report accurately and any user can access the system at any point in time provided internet facility is available. The system is also intended to provide better services to users, provide meaningful, consistent, and timely data and information and finally promotes efficiency by converting paper processes to electronic form. The system was developed using technologies such as, HTML, CSS ,JS and MySQL. PYTHON- FLASK, HTML and CSS are used to build the user interface and database was built using MySQL. The system is free of errors and very efficient and less time consuming due to the care taken to develop it. All the phases of software development cycle are employed and it is worthwhile to state that the system is very robust. Provision is made for future development in the system.

2.2 PROPOSED SYSTEM

While there has been no consensus on the definition of Students Management in the literature, they have proposed that researchers adopt the below definition to allow for the coherent development of theory in the colleges. In order to have a successful students management, we need to make many decisions related to the flow of marks, attendance, and data. Each records should be added in a way to increase the scalability. Student management is more complex in colleges and other universities because of the impact on people's number requiring adequate and accurate information of students need.

3 3. DATABASE DESIGN

3.1 SOFTWARE REQUIREMENTS SPECIFICATION

3.1.2 SOFTWARE REQUIREMENTS:

Frontend- HTML, CSS, Java Script, Bootstrap

Backend-Python flask (Python 3.7) , SQLAlchemy,

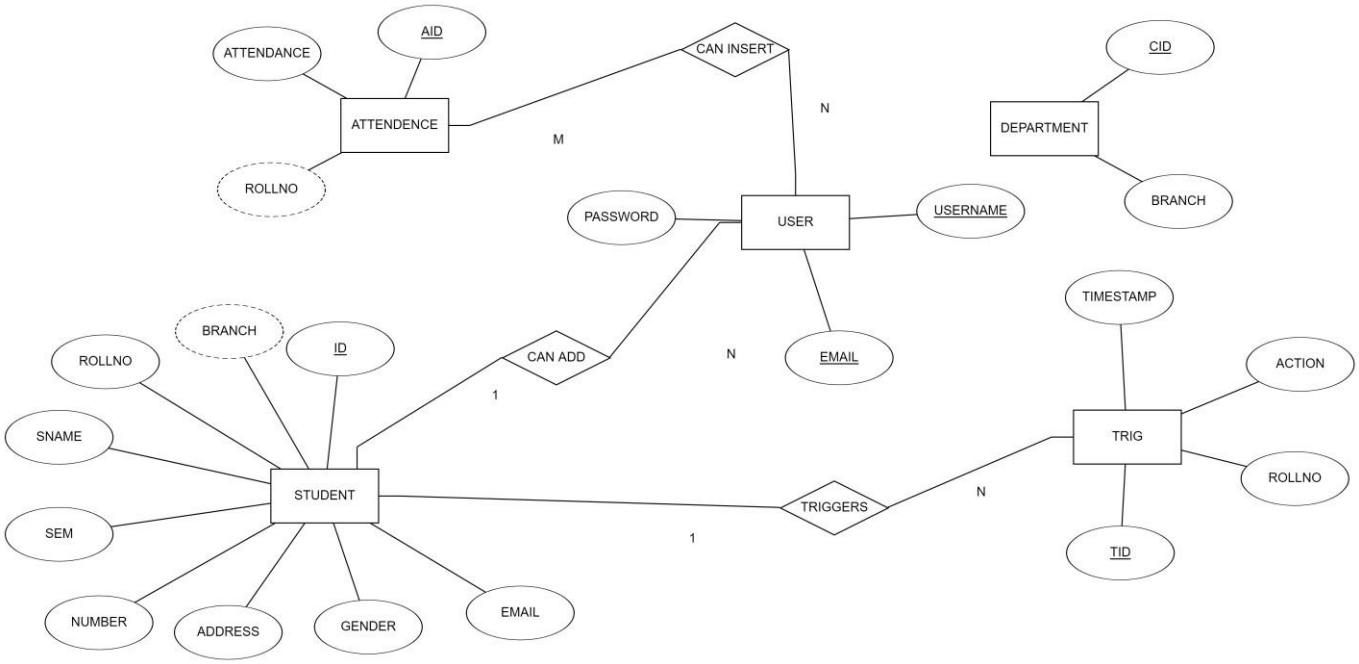
- Operating System: Windows 10
- Google Chrome/Internet Explorer
- XAMPP (Version-3.7)
- Python main editor (user interface): PyCharm Community
- workspace editor: Sublime text 3

HARDWARE REQUIREMENTS:

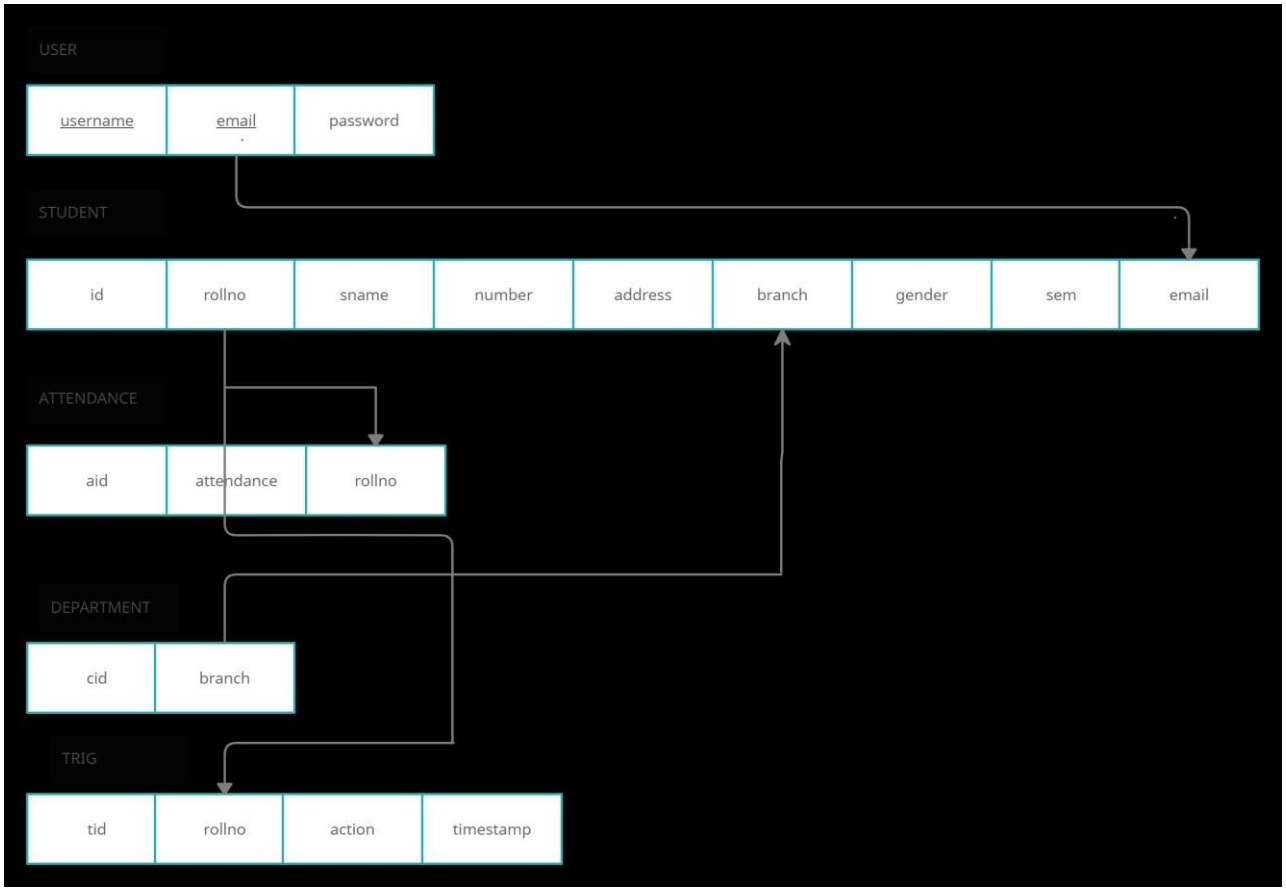
- Computer with a 1.1 GHz or faster processor
- Minimum 2GB of RAM or more
- 2.5 GB of available hard-disk space
- 5400 RPM hard drive
- 1366 × 768 or higher-resolution display
- DVD-ROM drive

3.2 CONCEPTUAL DESIGN:

3.2.1 E-R DIAGRAM:



3.2.2 SCHEMA DIAGRAM:



3.3 IMPLEMENTATION:

An "implementation" of Python should be taken to mean a program or environment which provides support for the execution of programs written in the Python language, as represented by the CPython reference implementation.

There have been and are several distinct software packages providing of what we all recognize as Python, although some of those are more like distributions or variants of some existing implementation than a completely new implementation of the language.

Back End (MySQL) Database:

A Database Management System (DBMS) is computer software designed for the purpose of managing databases, a large set of structured data, and run operations on the data requested by numerous users. Typical examples of DBMSs include Oracle, DB2, Microsoft Access, Microsoft SQL Server, Firebird, PostgreSQL, MySQL, SQLite, FileMaker and Sybase Adaptive Server Enterprise. DBMSs are typically used by Database administrators in the creation of Database systems. Typical examples of DBMS use include accounting, human resources and customer support systems. Originally found only in large companies with the computer hardware needed to support large data sets, DBMSs have more recently emerged as a fairly standard part of any company back office.

A DBMS is a complex set of software programs that controls the organization, storage, management, and retrieval of data in a database. A DBMS includes:

- A modeling language to define the schema of each database hosted in the DBMS, according to the DBMS data model.
- The dominant model in use today is the ad hoc one embedded in SQL, despite the objections of purists who believe this model is a corruption of the relational model, since it violates several of its fundamental principles for the sake of practicality and performance. Many DBMSs also support the Open Database Connectivity API that supports a standard way for programmers to access the DBMS.
- Data structures (fields, records, files and objects) optimized to deal with very large amounts of data stored on a permanent data storage device (which implies relatively slow access compared to volatile main memory).A database query language and report writer to allow users to interactively interrogate the database, analyze its data and update it according to the users privileges on data.
- Data security prevents unauthorized users from viewing or updating the database. Using passwords, users are allowed access to the entire database or subsets of it called sub schemas. For example, an employee database can contain all the data about an

individual employee, but one group of users may be authorized to view only payroll data, while others are allowed access to only work history and student data.

- If the DBMS provides a way to interactively enter and update the database, as well as interrogate it, this capability allows for managing personal databases. However, it may not leave an audit trail of actions or provide the kinds of controls necessary in a multi-user organization. These controls are only available when a set of application programs are customized for each data entry and updating function.

✓ A transaction mechanism, that ideally would guarantee the ACID properties, in order to ensure data integrity, despite concurrent user accesses (concurrency control), and faults (fault tolerance).

- It also maintains the integrity of the data in the database.
- The DBMS can maintain the integrity of the database by not allowing more than one user to update the same record at the same time. The DBMS can help prevent duplicate records via unique index constraints; for example, no two customers with the same customer numbers (key fields) can be entered into the database. See ACID properties for more information (Redundancy avoidance).

When a DBMS is used, information systems can be changed much more easily as the organization's information requirements change. to the Organizations may use one kind of DBMS for daily transaction processing and then move the detail onto another computer that uses another DBMS better suited for random inquiries and analysis. Overall systems design decisions are performed by data administrators and systems analysts. Detailed database design is performed by database administrators.

SQL:

Structured Query Language (SQL) is the language used to manipulate relational databases.
SQL is tied very closely with the relational model.

- In the relational model, data is stored in structures called relations or tables.

SQL statements are issued for the purpose of:

- Data definition: Defining tables and structures in the database (DDL used to create, alter and drop schema objects such as tables and indexes)

.

4.2 : Stored Procedure

Routine name: proc
Type: procedure
Definition: Select * from register;

4.3: Triggers

It is the special kind of stored procedure that automatically executes when an event occurs in the database.

Triggers used :

1: Trigger name: on insert

Table: register

Time: after

Event: insert

INSERT INTO trig VALUES(null,NEW.rid,'Farmer Inserted',NOW())

2: Trigger name: on delete

Table: register

Time: after

Event: delete

Definition: INSERT INTO trig VALUES(null,OLD.rid,'FARMER DELETED',NOW())

3: Trigger name: on update

Table: register

Time: after

Event: update

Definition: INSERT INTO trig VALUES(null,NEW.rid,'FARMER UPDATED',NOW())

BACKEND PYHTON WITH MYSQL CODE

```
from flask import Flask,render_template,request,session,redirect,url_for,flash
from flask_sqlalchemy import SQLAlchemy from flask_login import
UserMixin
from werkzeug.security import generate_password_hash,check_password_hash
from flask_login import login_user,logout_user,login_manager,LoginManager from
flask_login import login_required,current_user import json

# MY db connection
local_server= True app
= Flask(__name__)
app.secret_key='kusumachandashwini'



# this is for getting unique user access
login_manager=LoginManager(app)
login_manager.login_view='login'

@login_manager.user_loader def
load_user(user_id):
   return User.query.get(int(user_id))




#
app.config['SQLALCHEMY_DATABASE_URL']='mysql://username:password@localhost/databas_table_
name'
app.config['SQLALCHEMY_DATABASE_URI']='mysql://root:@localhost/students'
db=SQLAlchemy(app)

# here we will create db models that is tables class
Test(db.Model):
   id=db.Column(db.Integer,primary_key=True)
name=db.Column(db.String(100))
email=db.Column(db.String(100))
```

Students Management System

```
class Department(db.Model):
    cid=db.Column(db.Integer,primary_key=True)
branch=db.Column(db.String(100))

class Attendence(db.Model):
    aid=db.Column(db.Integer,primary_key=True)
rollno=db.Column(db.String(100))
attendance=db.Column(db.Integer())

class Trig(db.Model):
    tid=db.Column(db.Integer,primary_key=True)
rollno=db.Column(db.String(100))
action=db.Column(db.String(100))
timestamp=db.Column(db.String(100))


class User(UserMixin,db.Model):
id=db.Column(db.Integer,primary_key=True)
username=db.Column(db.String(50))
email=db.Column(db.String(50),unique=True)
password=db.Column(db.String(1000))



class Student(db.Model):
    id=db.Column(db.Integer,primary_key=True)
rollno=db.Column(db.String(50))
sname=db.Column(db.String(50))
sem=db.Column(db.Integer)
gender=db.Column(db.String(50))
branch=db.Column(db.String(50))
email=db.Column(db.String(50))
number=db.Column(db.String(12))
address=db.Column(db.String(100)) @app.route('/') def
index():
```

```
    return render_template('index.html')

@app.route('/studentdetails') def
studentdetails():
    query=db.engine.execute(f"SELECT * FROM `student`")
return render_template('studentdetails.html',query=query)

@app.route('/triggers') def
triggers():
    query=db.engine.execute(f"SELECT * FROM `trig`")
return render_template('triggers.html',query=query)

@app.route('/department',methods=['POST','GET'])
def department():     if request.method=="POST":
dept=request.form.get('dept')
        query=Department.query.filter_by(branch=dept).first()
if query:
            flash("Department Already Exist","warning")
return redirect('/department')
dep=Department(branch=dept)
db.session.add(dep)         db.session.commit()
flash("Department Addes","success")     return
render_template('department.html')

@app.route('/addattendance',methods=['POST','GET']) def
addattendance():
    query=db.engine.execute(f"SELECT * FROM `student`")
if request.method=="POST":
rollno=request.form.get('rollno')
attend=request.form.get('attend')         print(attend,rollno)
        atte=Attendence(rollno=rollno,attendance=attend)
db.session.add(atte)         db.session.commit()
        flash("Attendance added","warning")
    return render_template('attendance.html',query=query)
```

```
@app.route('/search',methods=['POST','GET'])
def search():     if request.method=="POST":
rollno=request.form.get('roll')
        bio=Student.query.filter_by(rollno=rollno).first()
attend=Attendence.query.filter_by(rollno=rollno).first()         return
render_template('search.html',bio=bio,attend=attend)

    return render_template('search.html')

@app.route("/delete/<string:id>",methods=['POST','GET'])
@login_required def
delete(id):
    db.engine.execute(f"DELETE FROM `student` WHERE `student`.`id`={id}")
flash("Slot Deleted Successful","danger")     return redirect('/studentdetails')


@app.route("/edit/<string:id>",methods=['POST','GET'])
@login_required def
edit(id):
    dept=db.engine.execute("SELECT * FROM `department`")
posts=Student.query.filter_by(id=id).first()     if
request.method=="POST":
        rollno=request.form.get('rollno')
sname=request.form.get('sname')
sem=request.form.get('sem')
gender=request.form.get('gender')
branch=request.form.get('branch')
email=request.form.get('email')
num=request.form.get('num')
address=request.form.get('address')
        query=db.engine.execute(f"UPDATE `student` SET
`rollno`='{rollno}',`sname`='{sname}',`sem`='{sem}',`gender`='{gender}',`branch`='{branch}',`email`='{em
ail}',`number`='{num}',`address`='{address}'")
        flash("Slot is Updates","success")
return redirect('/studentdetails')

    return render_template('edit.html',posts=posts,dept=dept)
```

```
@app.route('/signup',methods=['POST','GET']) def
signup():     if request.method == "POST":
username=request.form.get('username')
email=request.form.get('email')
password=request.form.get('password')
user=User.query.filter_by(email=email).first()
if user:
          flash("Email Already Exist","warning")
return render_template('/signup.html')
encpassword=generate_password_hash(password)

      new_user=db.engine.execute(f"INSERT INTO `user` (`username`,`email`,`password`) VALUES
('{username}','{email}','{encpassword}')")

      # this is method 2 to save data in db
      # newuser=User(username=username,email=email,password=encpassword)
      # db.session.add(newuser)
# db.session.commit()
      flash("Signup Succes Please Login","success")
return render_template('login.html')



   return render_template('signup.html')

@app.route('/login',methods=['POST','GET']) def
login():     if request.method == "POST":
email=request.form.get('email')
password=request.form.get('password')
user=User.query.filter_by(email=email).first()
if user and
check_password_hash(user.password,password):
          login_user(user)
          flash("Login Success","primary")
return redirect(url_for('index'))         else:
```

```
        flash("invalid credentials","danger")
return render_template('login.html')


   return render_template('login.html')


@app.route('/logout')
@login_required def
logout():
logout_user()
   flash("Logout SuccessFul","warning")
return redirect(url_for('login'))




@app.route('/addstudent',methods=['POST','GET'])
@login_required def
addstudent():
   dept=db.engine.execute("SELECT * FROM `department`")
if request.method=="POST":
      rollno=request.form.get('rollno')
sname=request.form.get('sname')
sem=request.form.get('sem')
gender=request.form.get('gender')
branch=request.form.get('branch')
email=request.form.get('email')
num=request.form.get('num')
address=request.form.get('address')
query=db.engine.execute(f"INSERT INTO `student`
(`rollno`,`sname`,`sem`,`gender`,`branch`,`email`,`number`,`address`) VALUES
('{rollno}','{sname}','{sem}','{gender}','{branch}','{email}','{num}','{address}')")      flash("Booking
Confirmed","info")


   return render_template('student.html',dept=dept)


@app.route('/test')
def test():    try:
```

```
    Test.query.all()        return 'My
database is Connected'    except:
    return 'My db is not Connected'


app.run(debug=True)
```

FRONT END CODE

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>{% block title %}
  {% endblock title %}</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

{% block style %}
{% endblock style %}
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,700,700i|Raleway:3
00,400,500,700,800" rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="static/assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
  <link href="static/assets/vendor/venobox/venobox.css" rel="stylesheet">
  <link href="static/assets/vendor/font-awesome/css/font-awesome.min.css" rel="stylesheet">
  <link     href="static/assets/vendor/owl.carousel/assets/owl.carousel.min.css"     rel="stylesheet">
<link href="static/assets/vendor/aos/aos.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="static/assets/css/style.css" rel="stylesheet">



</head>

<body>
```

```
<!-- ======= Header ======= -->
<header id="header">
  <div class="container">

    <div id="logo" class="pull-left">

      <a href="/" class="scrollto">S.M.S</a>
    </div>

    <nav id="nav-menu-container">
      <ul class="nav-menu">
        <li class="{% block home %}
        {% endblock home %}"><a href="/">Home</a></li>

<li><a href="/addstudent">Students</a></li>
<li><a href="/addattendance">Attendance</a></li>
<li><a href="/department">Department</a></li>
<li><a href="/triggers">Records</a></li>
<li><a href="/studentdetails">Student Details</a></li>
<li><a href="/search">Search</a></li>


        <li><a href="/about">About</a></li>



   {% if current_user.is_authenticated  %}
        <li class="buy-tickets"><a href="">Welcome</a></li>
          <li class="buy-tickets"><a href="/logout">Logout</a></li>
        {% else %}
        <li class="buy-tickets"><a href="/signup">Signin</a></li>

        {% endif %}
      </ul>
    </nav><!-- #nav-menu-container -->
```

```
  </div>
 </header><!-- End Header -->

 <!-- ======= Intro Section ======= -->
<section id="intro">
  <div class="intro-container" data-aos="zoom-in" data-aos-delay="100">
    <h1 class="mb-4 pb-0">STUDENT MANAGEMENT SYSTEM </span> </h1>
    <p class="mb-4 pb-0">DBMS Mini Project Using Flask & MYSQL</p>

    <a href="" class="about-btn scrollto">View More</a>
  </div>
 </section><!-- End Intro Section -->
 <main id="main">


 {% block body %}

{% with messages=get_flashed_messages(with_categories=true) %}
{% if messages %}
{% for category, message in messages %}

<div class="alert alert-{{category}} alert-dismissible fade show" role="alert">
{{message}}


</div>


 {% endfor %}
 {% endif %}
 {% endwith %}
 {% endblock body %}


 <a href="#" class="back-to-top"><i class="fa fa-angle-up"></i></a>
```

```
  <!-- Vendor JS Files -->
  <script src="static/assets/vendor/jquery/jquery.min.js"></script>
  <script src="static/assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
  <script src="static/assets/vendor/jquery.easing/jquery.easing.min.js"></script>
  <script src="static/assets/vendor/php-email-form/validate.js"></script>
  <script src="static/assets/vendor/venobox/venobox.min.js"></script>
  <script src="static/assets/vendor/owl.carousel/owl.carousel.min.js"></script>
  <script src="static/assets/vendor/superfish/superfish.min.js"></script>
  <script src="static/assets/vendor/hoverIntent/hoverIntent.js"></script>
  <script src="static/assets/vendor/aos/aos.js"></script>


  <!-- Template Main JS File -->
  <script src="static/assets/js/main.js"></script>

</body>

</html>
```

2.Students.html

```
{% extends 'base.html' %}
{% block title %}
Add Students
{% endblock title %}



{% block body %}
 <h3 class="text-center"><span>Add Student Details</span> </h3>

{% with messages=get_flashed_messages(with_categories=true) %}
{% if messages %}
{% for category, message in messages %}
```

```
<div class="alert alert-{{category}} alert-dismissible fade show" role="alert">
   {{message}}



</div>
 {% endfor %}
 {% endif %}
 {% endwith %}
<br>
<div class="container">

<div class="row">

<div class="col-md-4"></div>
<div class="col-md-4">

<form action="/addstudent" method="post">
<div class="form-group">

<label for="rollno">Roll Number</label>
<input type="text" class="form-control" name="rollno" id="rollno">
</div>
<br>
<div class="form-group">

<label for="sname">Student Name</label>
<input type="text" class="form-control" name="sname" id="sname">
</div>
<br>
<div class="form-group">

<label for="sem">Sem</label>
<input type="number" class="form-control" name="sem" id="sem">
</div>
<br>
```

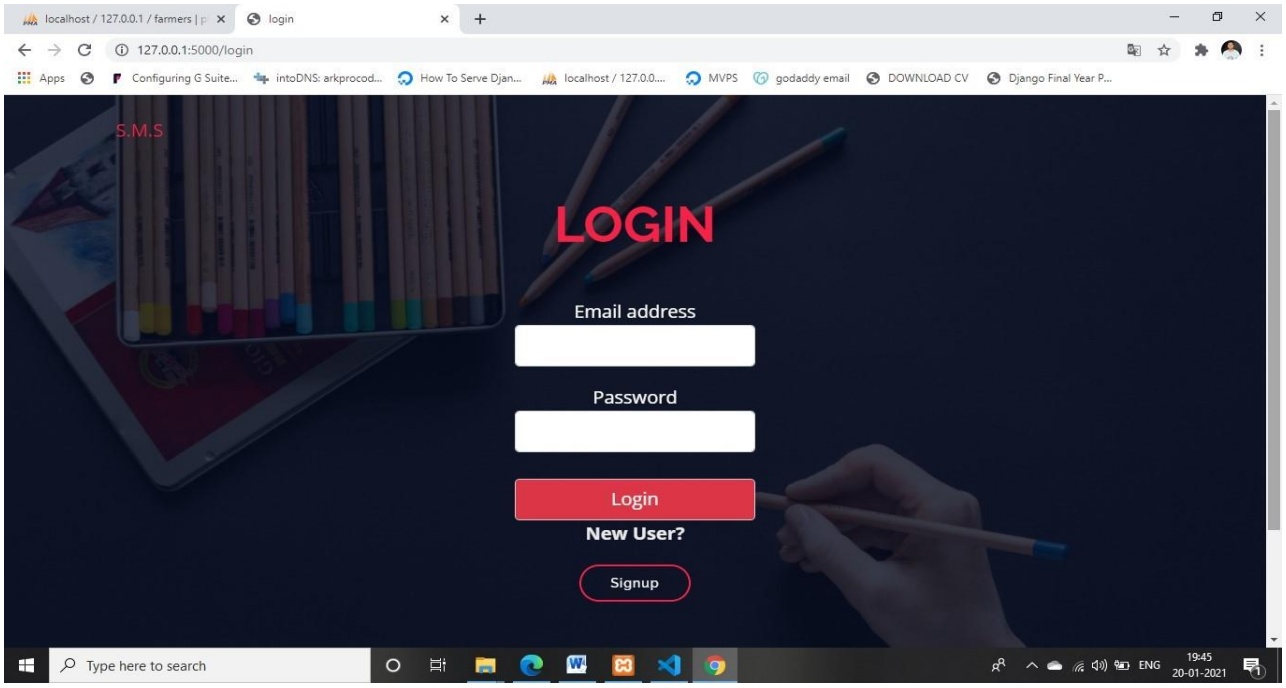
```
<div class="form-group">
<select  class="form-control" id="gender" name="gender"  required>
      <option selected>Select Gender</option>

      <option value="male">Male</option>
      <option value="female">Female</option>

    </select>
 </div>
<br>

<div class="form-group">
<select class="form-control" id="branch" name="branch"  required>
      <option selected>Select Branch</option>
      {% for d in dept  %}
      <option value="{{d.branch}}">{{d.branch}}</option>
      {% endfor %}
    </select>
 </div>
<br>
<div class="form-group">

<label for="email">Email</label>
<input type="email" class="form-control" name="email" id="email">
</div>
<br>
<div class="form-group">
<label for="num">Phone Number</label>
<input type="number" class="form-control" name="num" id="num">
</div>
<br>

<div class="form-group">
<label for="address">Address</label>
<textarea class="form-control" name="address" id="address"></textarea> </div>
```

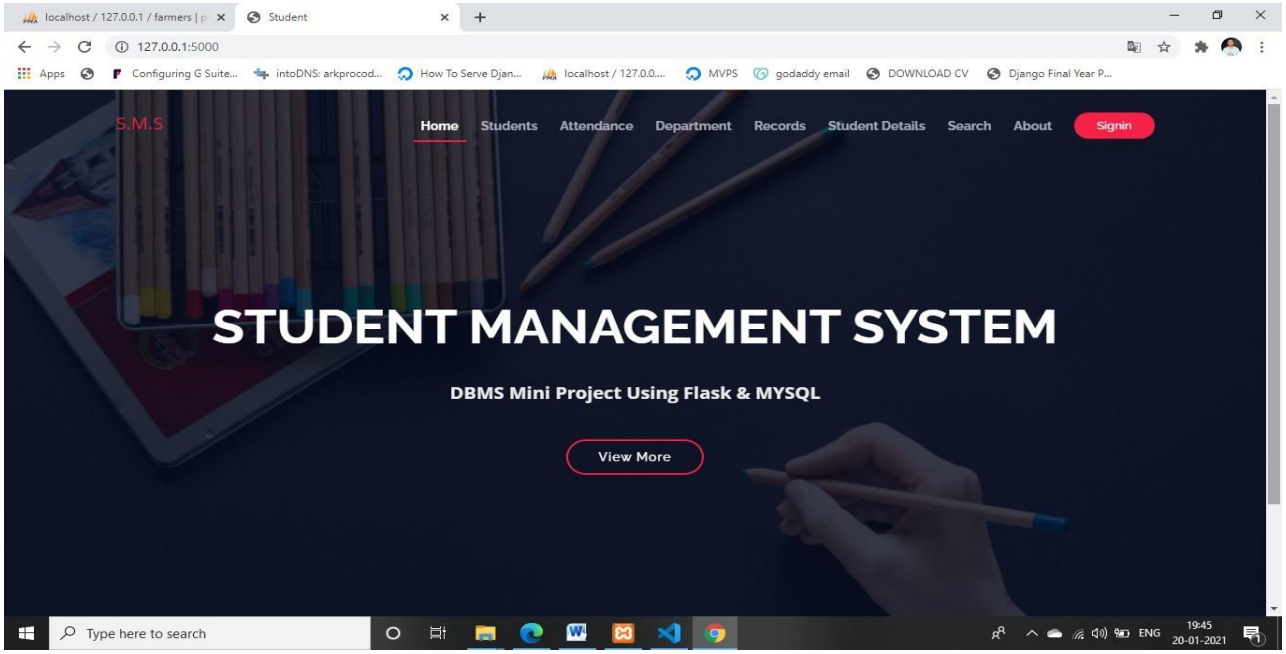
```
<br>

  <button type="submit" class="btn btn-danger btn-sm btn-block">Add Record</button>
</form>
<br>
<br>

</div>

<div class="col-md-4"></div>

</div></div>



{% endblock body %}
```

USER INTERFACE

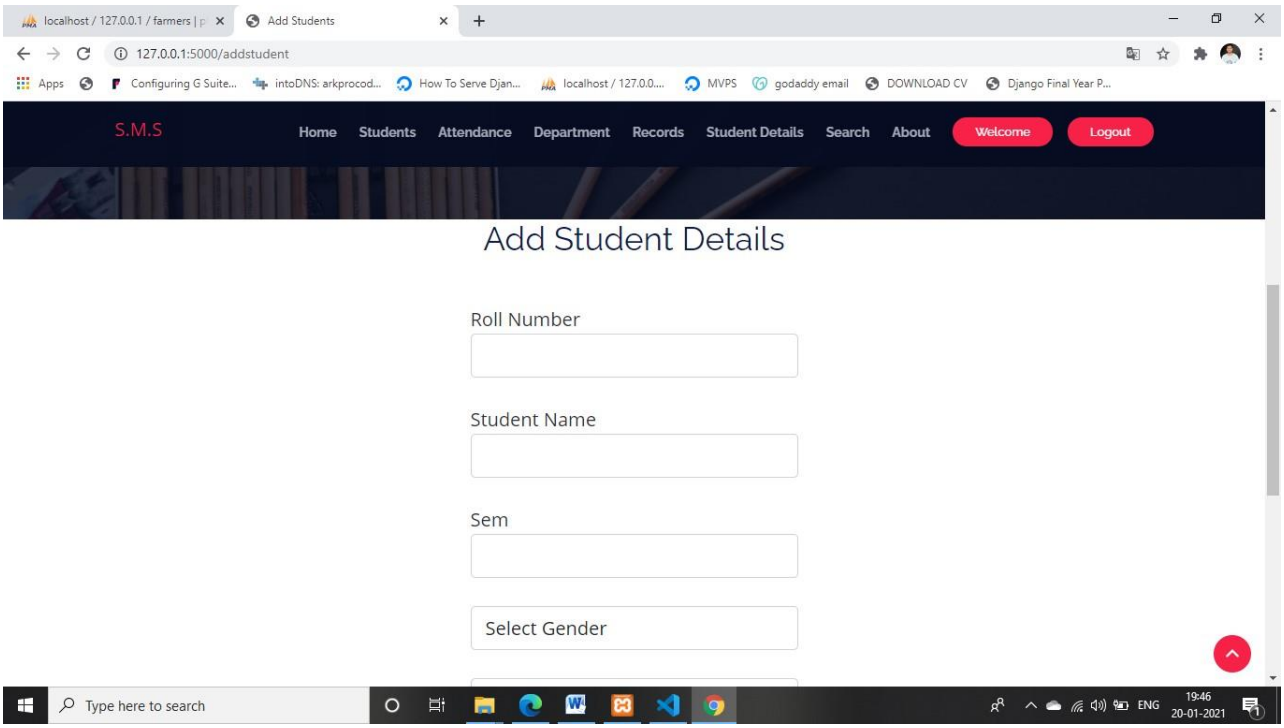
4.1 SCREEN SHOTS

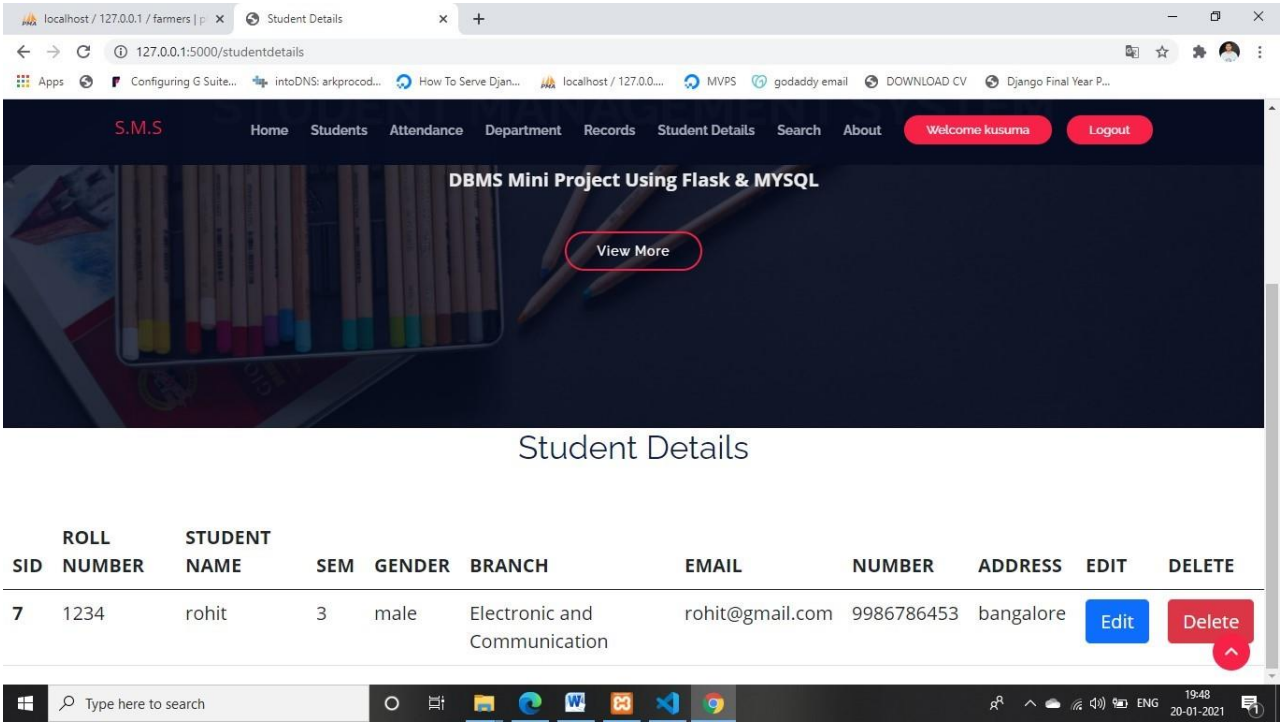
LOGIN PAGE:



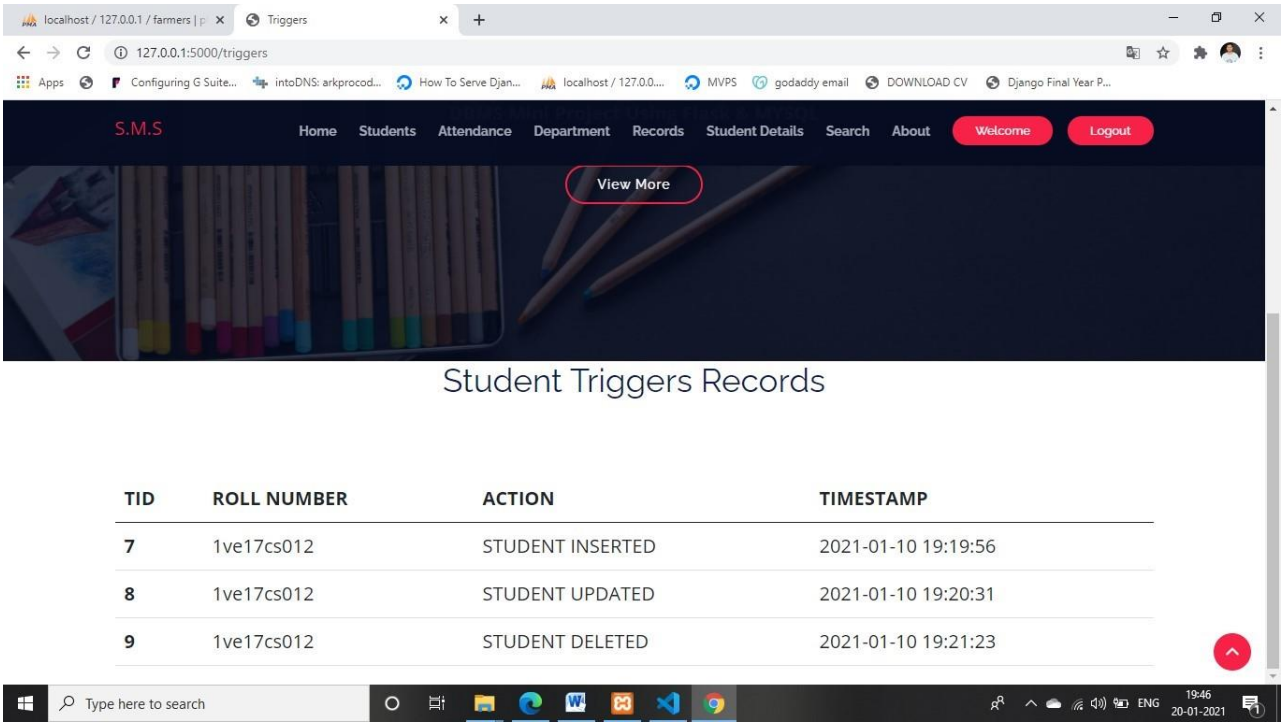


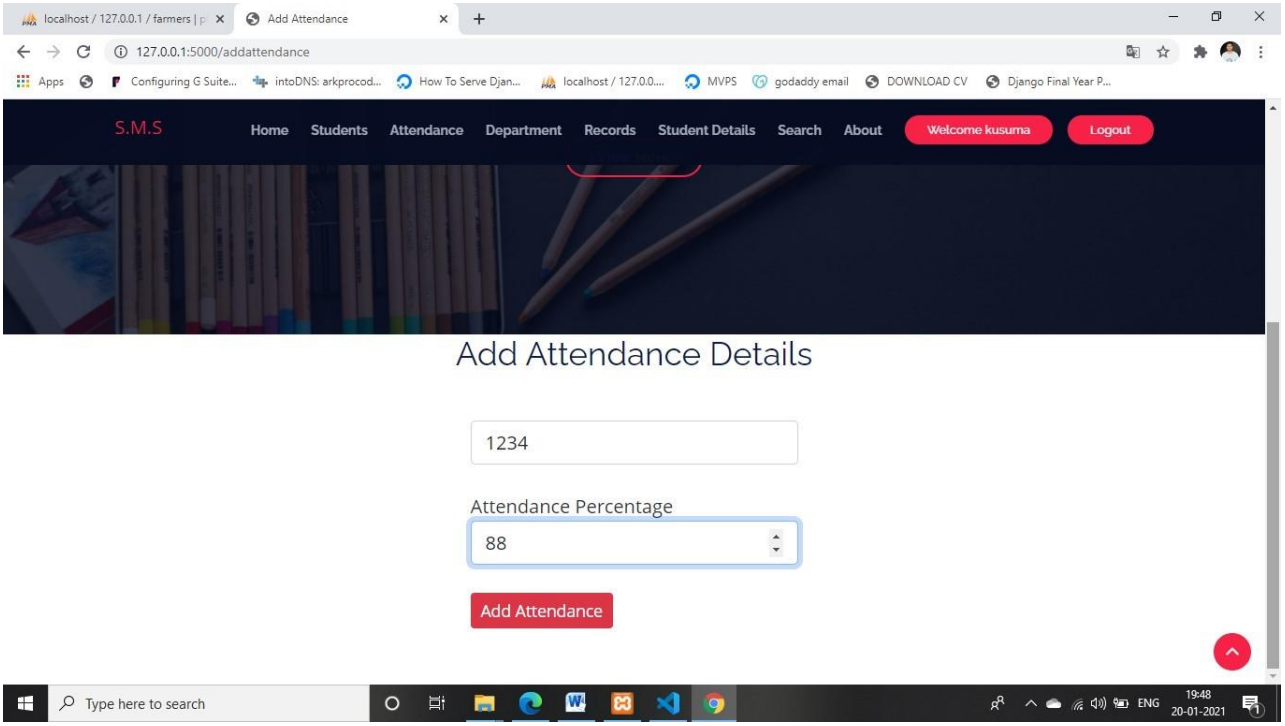
ADD STUDENTS INFO

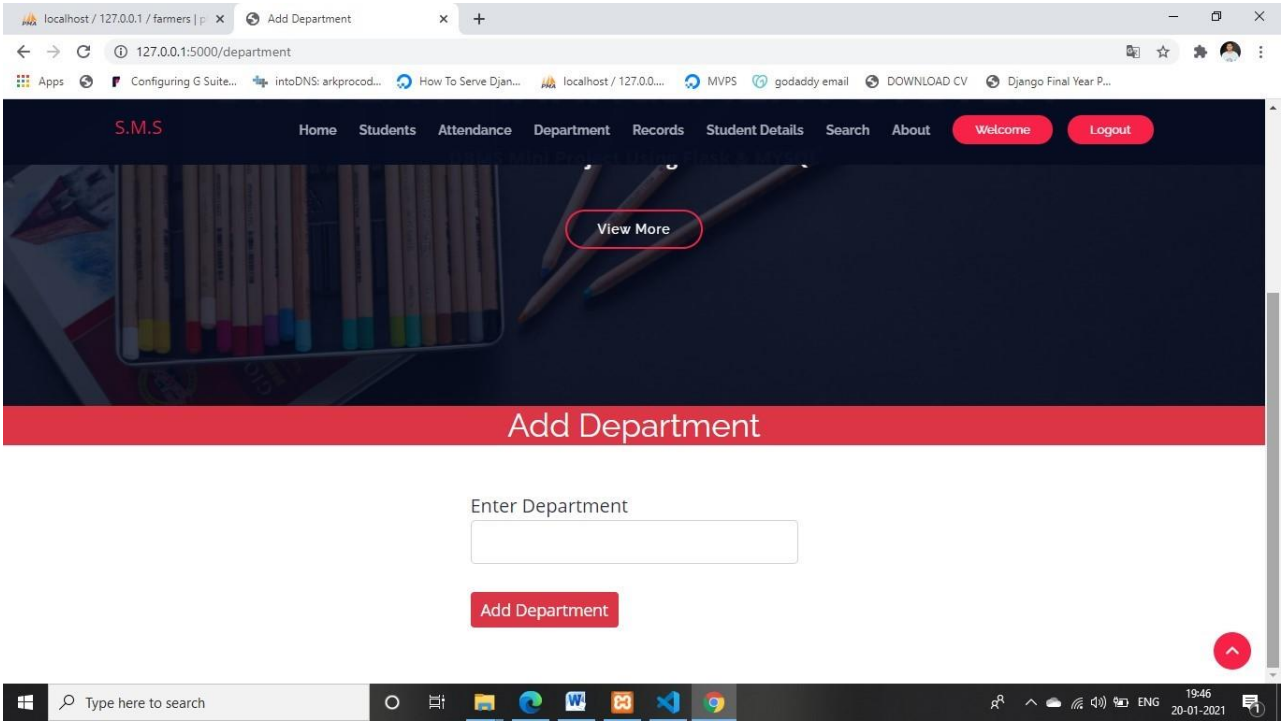


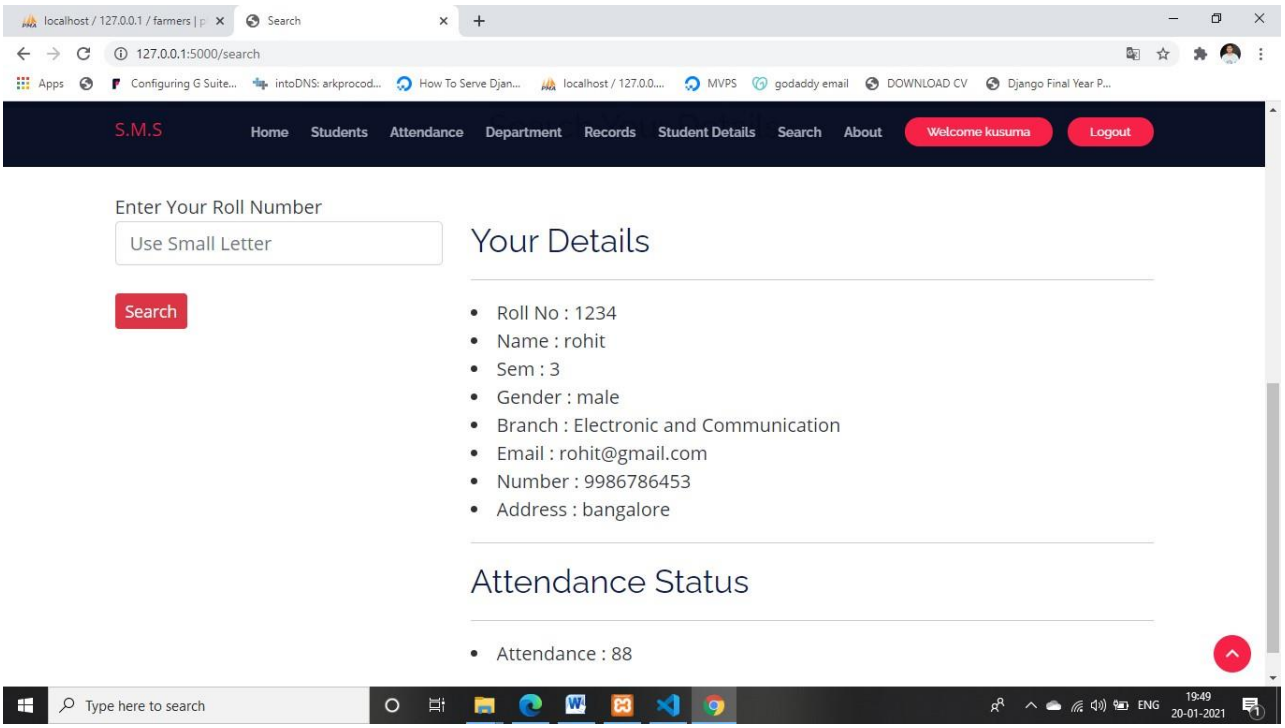


TRIGGERS RECORDS

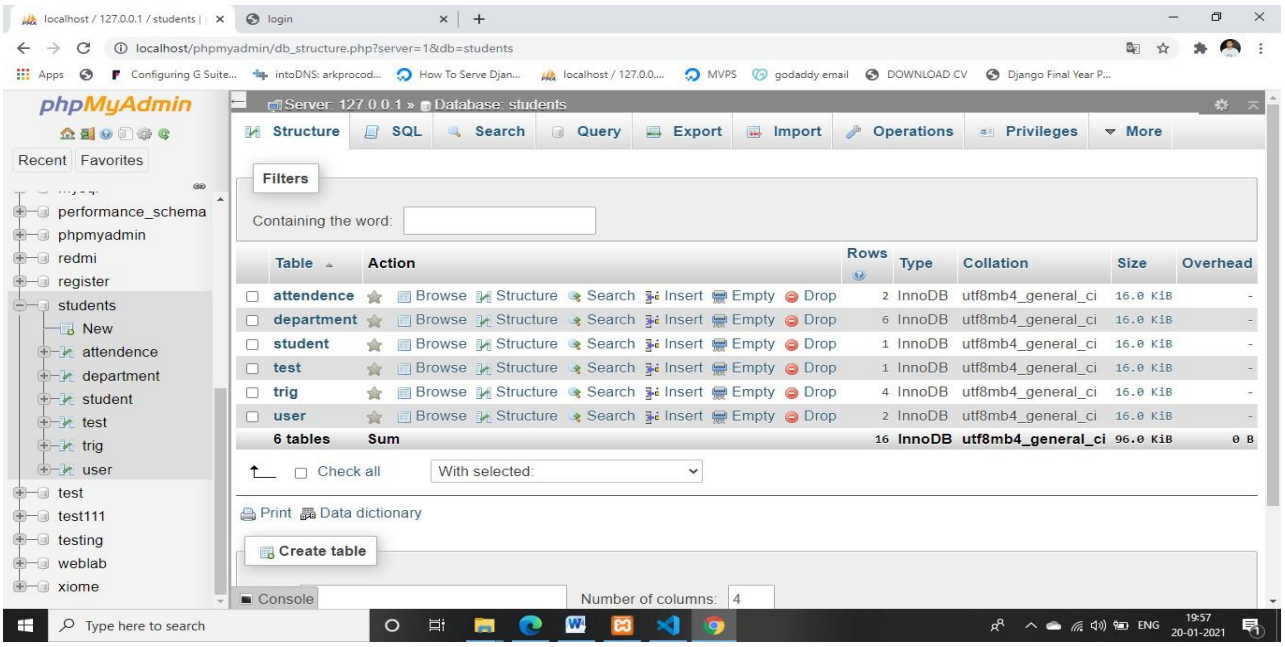


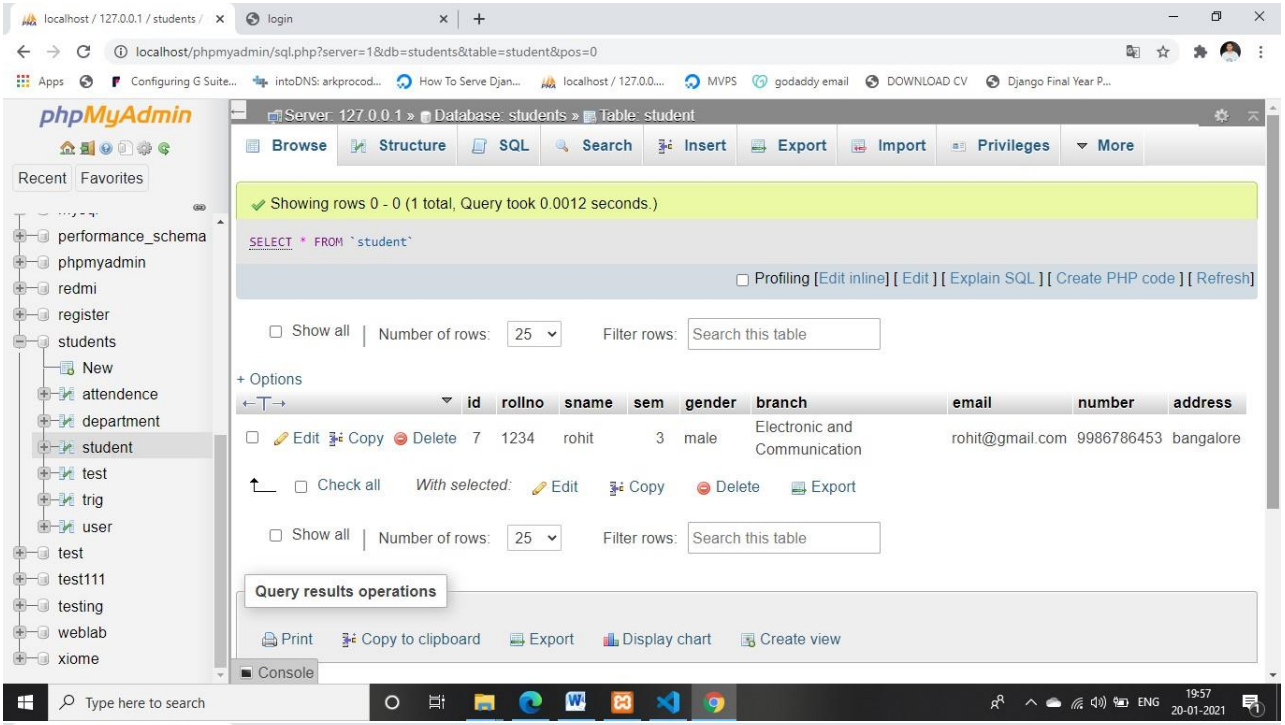

localhost / 127.0.0.1 / farmers |
Add Attendance
127.0.0.1:5000/addattendance
S.M.S
Home
Students
Attendance
Department
Records
Student Details
Search
About
Welcome kusuma
Logout
Add Attendance Details
1234
Attendance Percentage
88
Add Attendance
Type here to search
ENG
19:48
20-01-2021

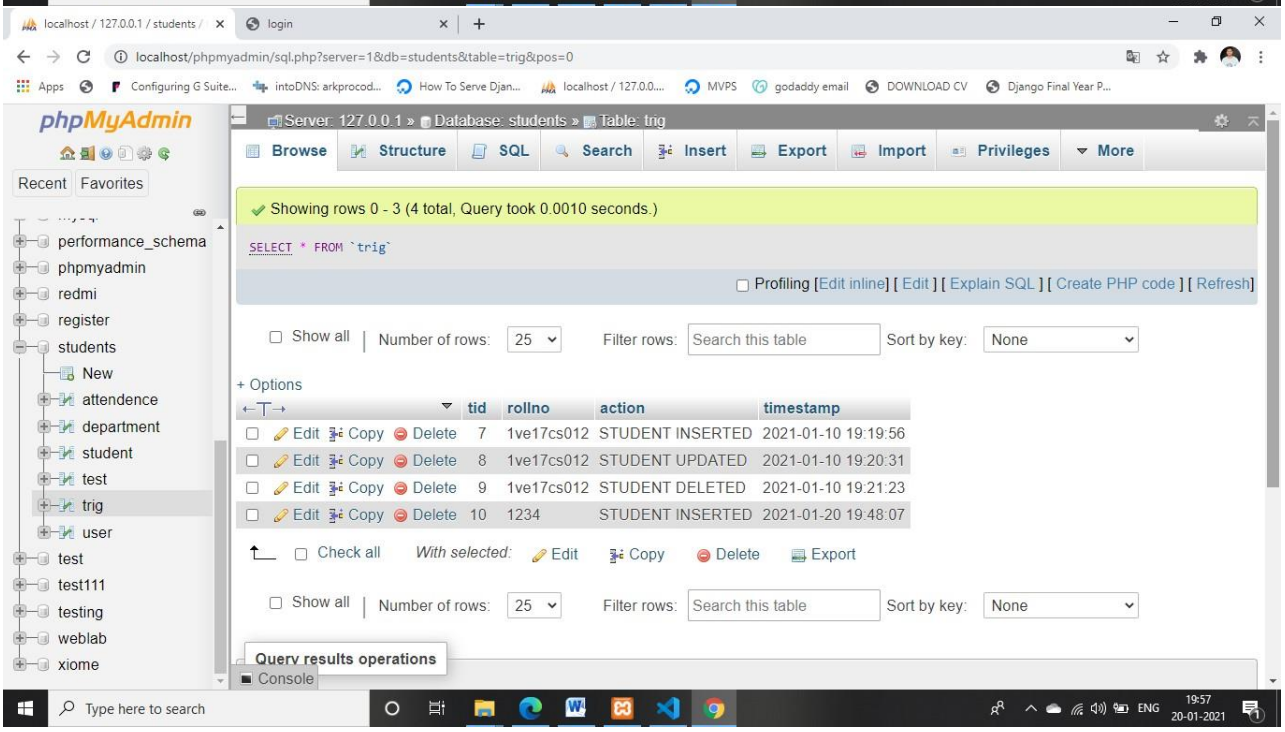

localhost / 127.0.0.1 / farmers |
Add Department
127.0.0.1:5000/department
S.M.S
Home
Students
Attendance
Department
Records
Student Details
Search
About
Welcome
Logout
View More
Add Department
Enter Department
Add Department
Type here to search
ENG
19:46
20-01-2021

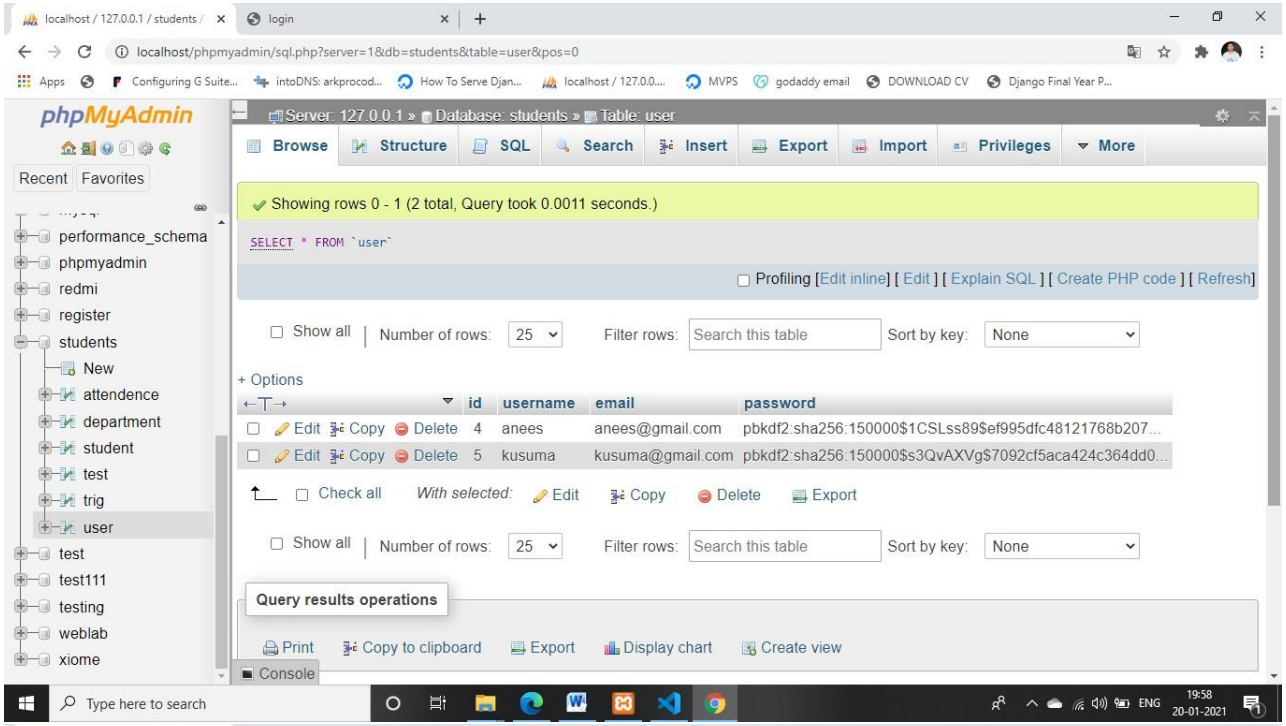


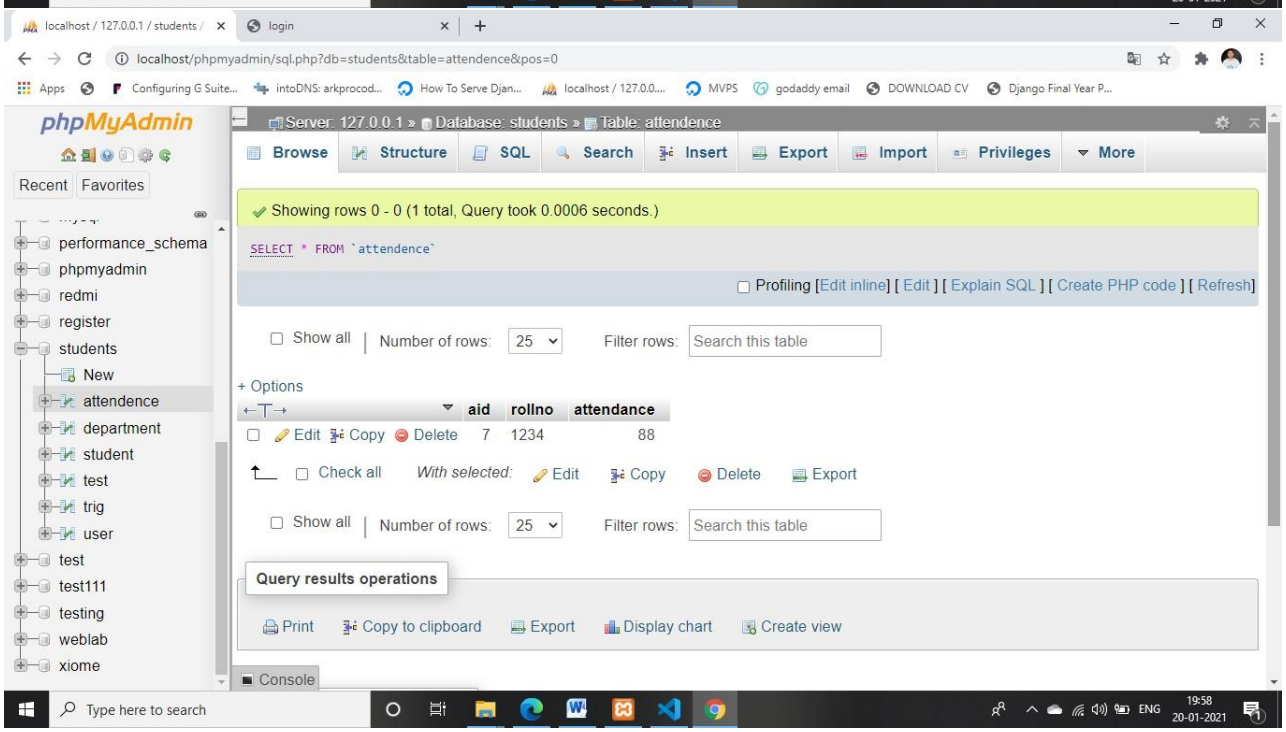
DATABASE LOCALHOST




phpMyAdmin
Server: 127.0.0.1 » Database: students » Table: student
Browse Structure SQL Search Insert Export Import Privileges More
Showing rows 0 - 0 (1 total, Query took 0.0012 seconds.)
SELECT * FROM `student`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table
+ Options
id rollno sname sem gender branch email number address
Edit Copy Delete 7 1234 rohit 3 male Electronic and Communication rohit@gmail.com 9986786453 bangalore
Check all With selected: Edit Copy Delete Export
Query results operations
Print Copy to clipboard Export Display chart Create view
Console
Recent Favorites
performance_schema
phpmyadmin
redmi
register
students
New
attendence
department
student
test
trig
user
test
test111
testing
weblab
xiome


phpMyAdmin
Server: 127.0.0.1 » Database: students » Table: trig
Browse Structure SQL Search Insert Export Import Privileges More
Showing rows 0 - 3 (4 total, Query took 0.0010 seconds.)
SELECT * FROM `trig`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
+ Options
tid rollno action timestamp
Edit Copy Delete 7 1ve17cs012 STUDENT INSERTED 2021-01-10 19:19:56
Edit Copy Delete 8 1ve17cs012 STUDENT UPDATED 2021-01-10 19:20:31
Edit Copy Delete 9 1ve17cs012 STUDENT DELETED 2021-01-10 19:21:23
Edit Copy Delete 10 1234 STUDENT INSERTED 2021-01-20 19:48:07
Check all With selected: Edit Copy Delete Export
Query results operations
Console


phpMyAdmin
Recent Favorites
performance_schema
phpmyadmin
redmi
register
students
New
attendence
department
student
test
trig
user
test
test111
testing
weblab
xiome
Server: 127.0.0.1 » Database: students » Table: user
Browse Structure SQL Search Insert Export Import Privileges More
Showing rows 0 - 1 (2 total, Query took 0.0011 seconds.)
SELECT * FROM `user`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
+ Options
id username email password
Edit Copy Delete 4 anees anees@gmail.com pbkdf2:sha256:150000$1CSLss89$ef995dfc48121768b207...
Edit Copy Delete 5 kusuma kusuma@gmail.com pbkdf2:sha256:150000$s3QvAXVg$7092cf5aca424c364dd0...
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Query results operations
Print Copy to clipboard Export Display chart Create view
Console
Type here to search
ENG 19:58 20-01-2021


phpMyAdmin
Recent Favorites
performance_schema
phpmyadmin
redmi
register
students
New
attendence
department
student
test
trig
user
test
test111
testing
weblab
xiome
Server: 127.0.0.1 » Database: students » Table: attendence
Browse Structure SQL Search Insert Export Import Privileges More
Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)
SELECT * FROM `attendence`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table
+ Options
aid rollno attendance
Edit Copy Delete 7 1234 88
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table
Query results operations
Print Copy to clipboard Export Display chart Create view
Console
Type here to search
ENG 19:58 20-01-2021

CONCLUSION

STUDENT MANAGEMENT SYSTEM successfully implemented based on online data filling which helps us in administrating the data user for managing the tasks performed in students. The project successfully used various functionalities of Xampp and python flask and also create the fully functional database management system for online portals.

Using MySQL as the database is highly beneficial as it is free to download, popular and can be easily customized. The data stored in the MySQL database can easily be retrieved and manipulated according to the requirements with basic knowledge of SQL.

With the theoretical inclination of our syllabus it becomes very essential to take the atmost advantage of any opportunity of gaining practical experience that comes along. The building blocks of this Major Project “Students Management System” was one of these opportunities. It gave us the requisite practical knowledge to supplement the already taught theoretical concepts thus making us more competent as a computer engineer. The project from a personal point of view also helped us in understanding the following aspects of project development:

• The planning that goes into implementing a project.

• The importance of proper planning and an organized methodology.

• The key element of team spirit and co-ordination in a successful project.

FUTURE ENHANCEMENT

- Enhanced database storage facility
- Enhanced user friendly GUI
- more advanced results systems
- online feedbacks forms

REFERENCES

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