University of Asia Pacific

Project Report

Project Name: online tutor management system

Course Code: CSE 410

Course Title: Software Development

Project members

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Submitted To:

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Purpose/ objectives of the project: The main goal of the online tutor management system is to help students overcome academic challenges. Here a student can choose any teacher easily. It is a special kind of teaching management system that is different from the other it is mainly help students and tutors meet and interact with each other to make tuition classes.

Problem definition: Online tutor Management System is very helpful to the users. The aim of this project is to provide quick, immediate interact with students and tutors to meet and make tuition classes.. Login module helps the user to login to the site from anywhere. For that he/she must type the username and password correctly. Before that he/she must compete their registration

Benefits of the project:

1. Parents can get highly qualified tutors at affordable prices.
2. Elimination of travel time for both parents and tutors.
3. Tutors share a wealth of knowledge, experience, and academic degrees which they have.
4. Can be used anywhere any time as it is a easy application
5. This system can be used by many students who love Teaching as a part time job.

Investigation: feasibility study

ECONOMIC FEASIBILITY:

Economic analysis is most frequently used for evaluation of the effectiveness of the system. More commonly known as cost/benefit analysis the procedure is to determine the benefit and saving that are expected from a system and compare them with costs, decisions is made to design implement the system.This part of feasibility study gives the top management the economic justification for the new system. This is an important input to the management, because very often the top

management does not like to get confounded by the various technicalities that bound to be associated with a project of this kind. In the system, the organization is most satisfied byeconomic feasibility. Because, if the organization implements this system, it need not require any additional hardware resources as well as it will be saving a lot of time.

TECHNICAL FEASIBILITY:

Technical feasibility centers on the existing manual system of the test management process and to what extent it can support the system. According to feasibility analysis procedure the technical feasibility of the system is analyzed and the technical requirement such as software facilities, procedure, inputs is identified. It is also one of the important phases of the system development activities.sinnce processing speed is very high and the work is reduced in the

Maintenance point of view management convinces that the project is operationally feasible.

BEHAVIOURAL FEASIBILITY:

People are inherently resistant to change and computer has been known to facilitate changes. An estimate should be made of how strong the user is likely to move towards the development of computerized system. These are various levels of users in order to ensure proper authentication and authorization and security of sensitive data of the organization.

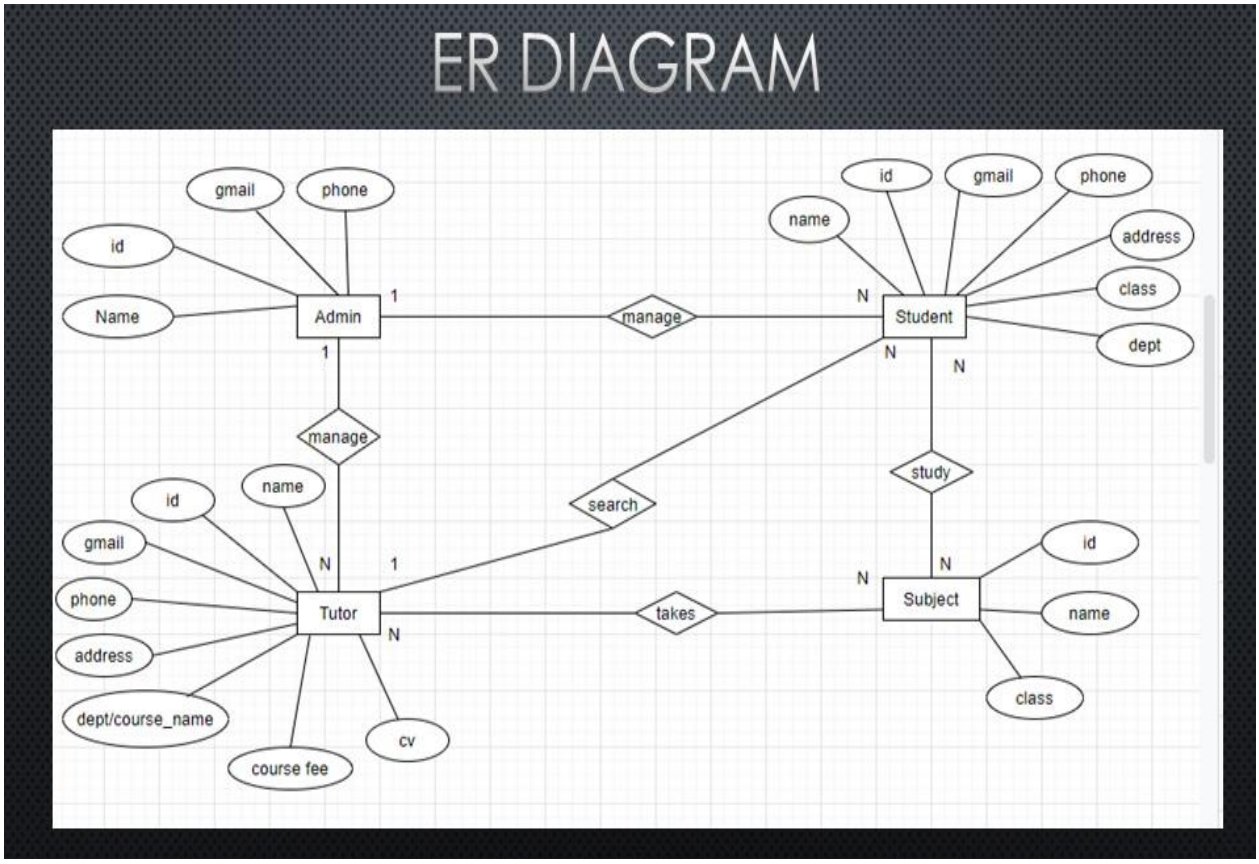
Project management and finance:

Project management refers to how a project is designed and organized to produce an end product that will make an impact on an organization. It is where knowledge, skills, experience, and processes are applied to meet an organization’s objectives. Projects that are new, time-bound, involve multiple parties and require risk control need project management. In this project we spent more than 3 months. And total we spent 10000 Tk for this project thought it is a small project.

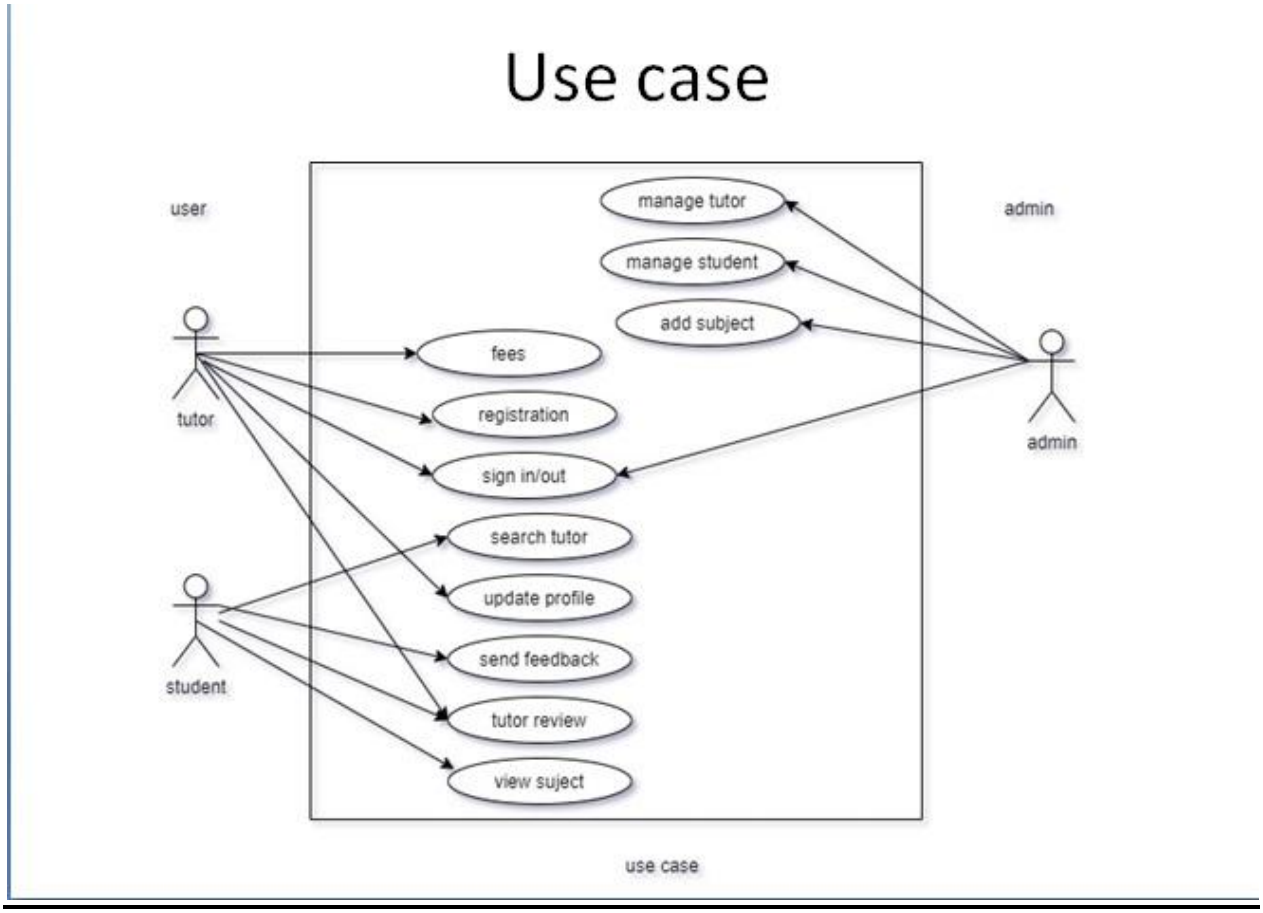
Model of solution/ Complex Engineering Problem

Solution: different types of diagram:

ER diagram:



Use Case diagram:

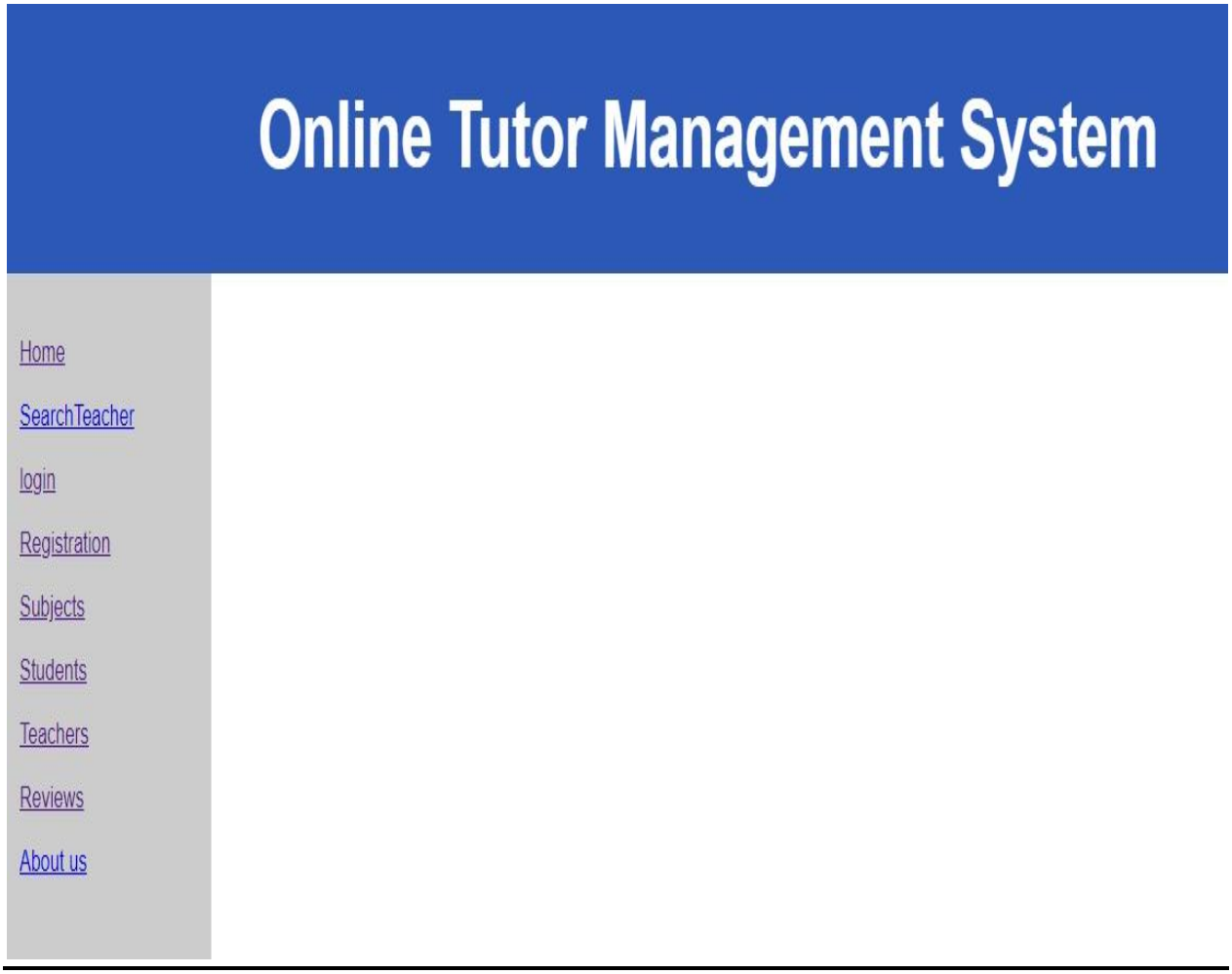


Risk Analysis:

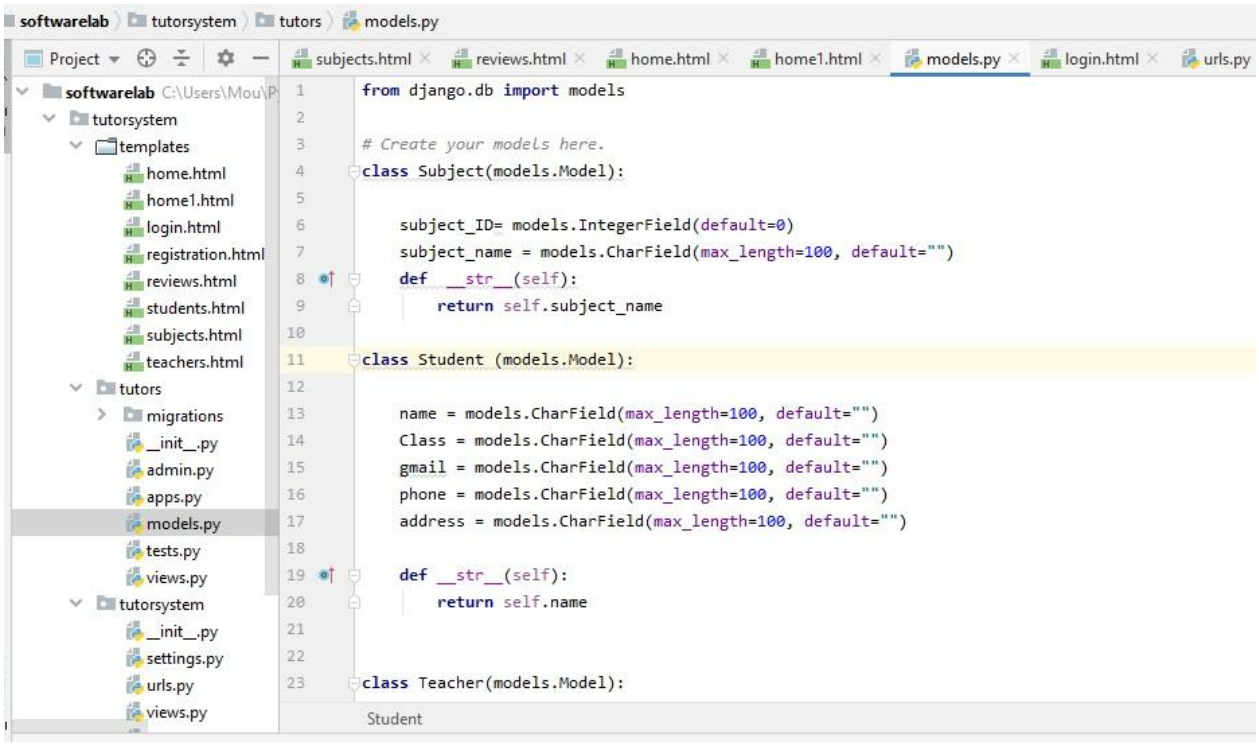
1. Development of risk response

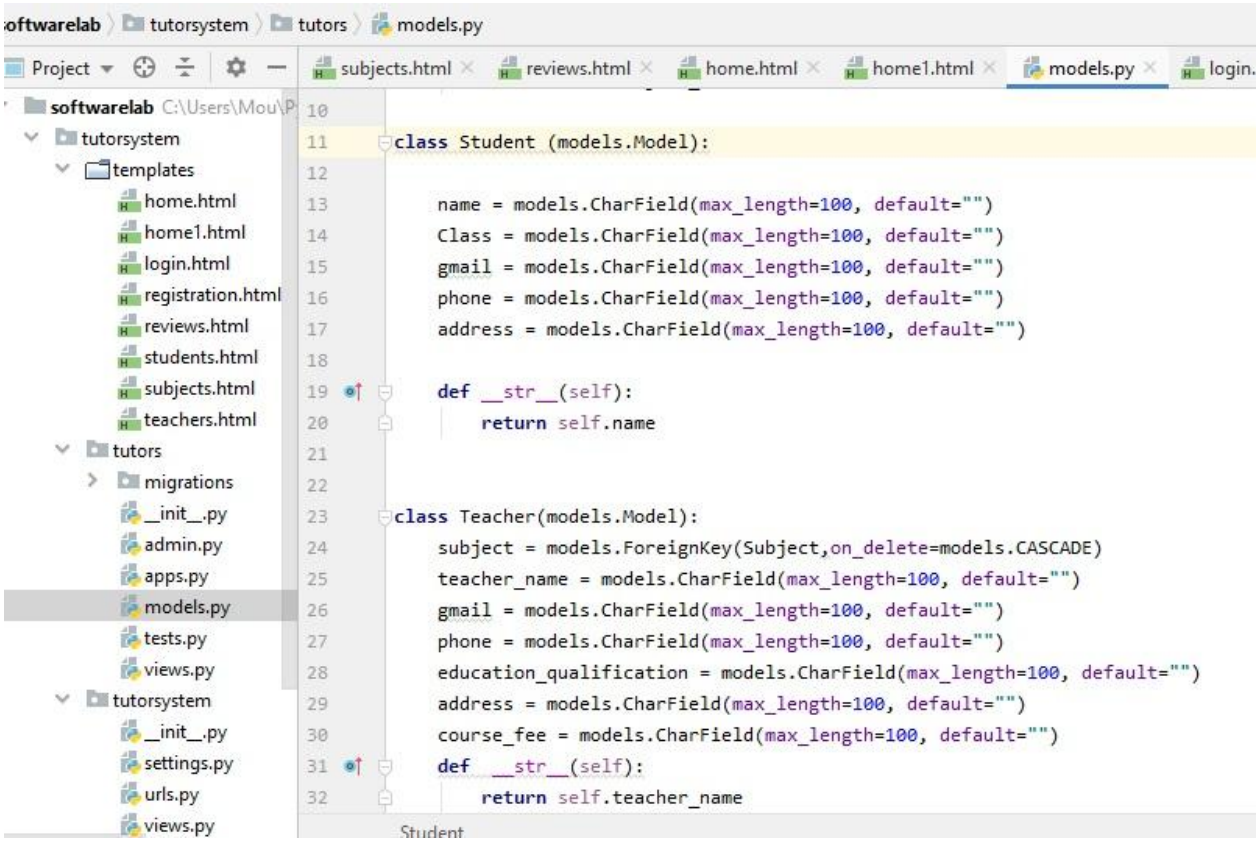
2. Monitoring and controlling risks we face

Final Project : Sample picture of our website:

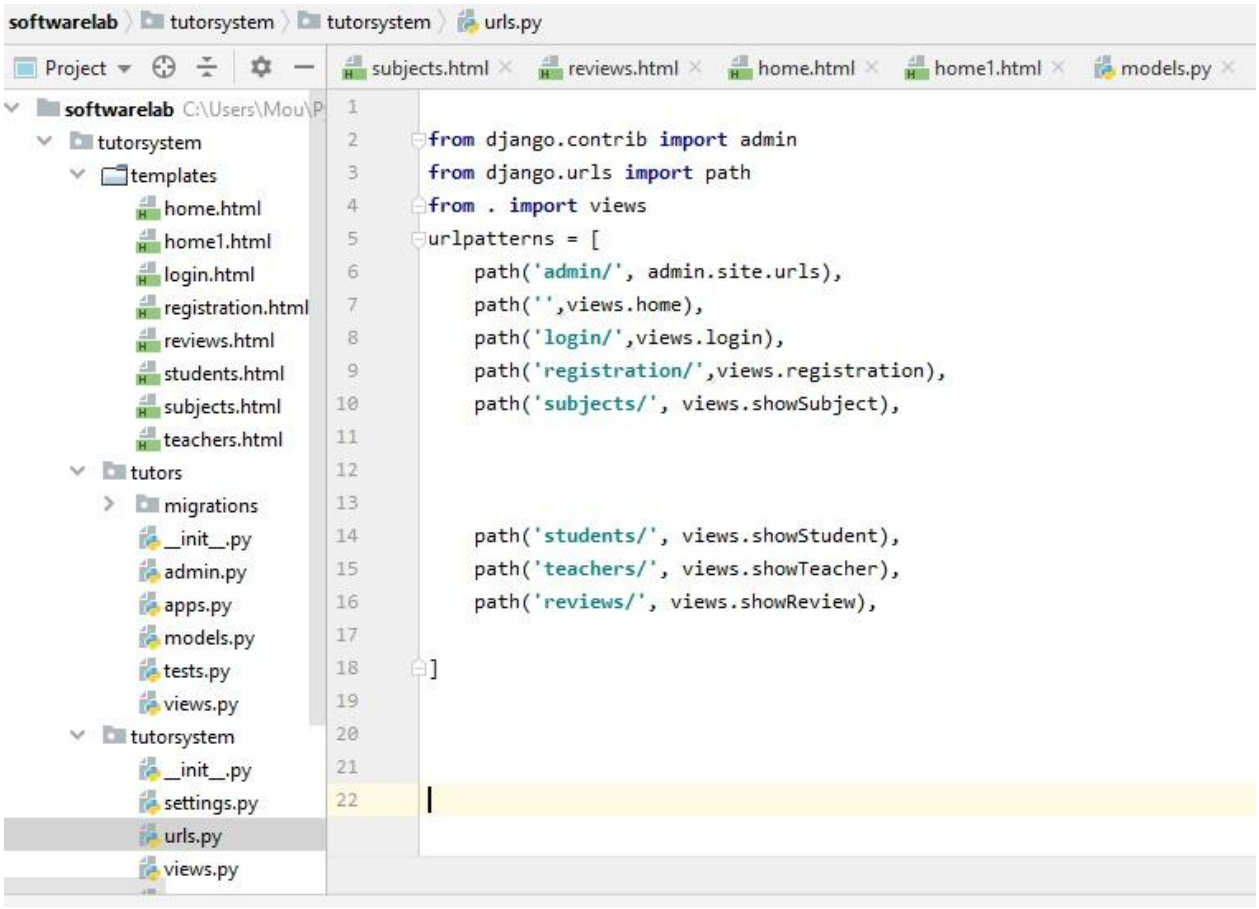


2.Database: model.py

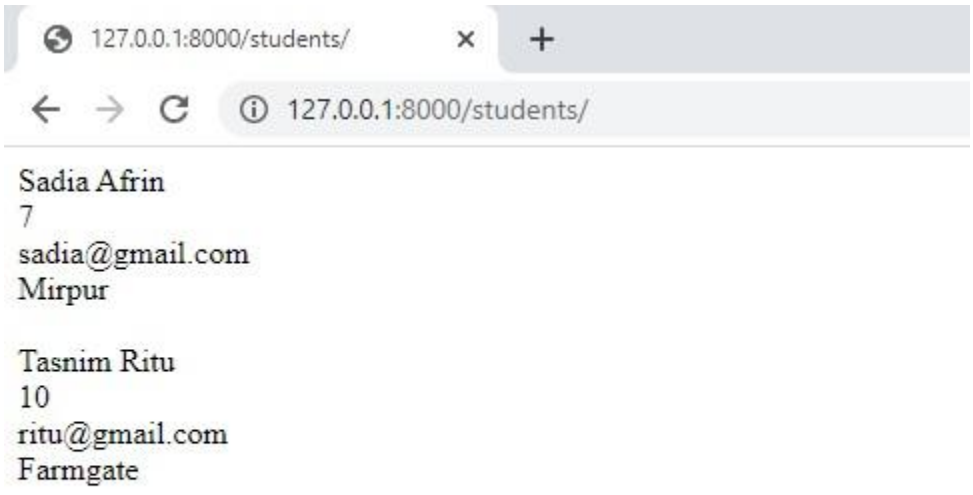




3. Urls.py



4. (a) Student database



(b)Teacher database

Mathmetics

karim@gmail.com
01235-345678

Mirpur
3000

English

tariq@gmail.com
01712-768022

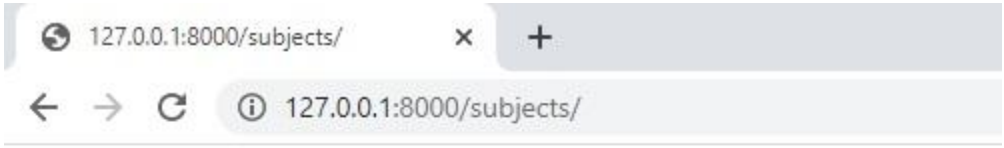
Farmgate
4000

ICT

akash12@gmail.com
01763-786787

Dhanmondi
3500

(c)Subject database

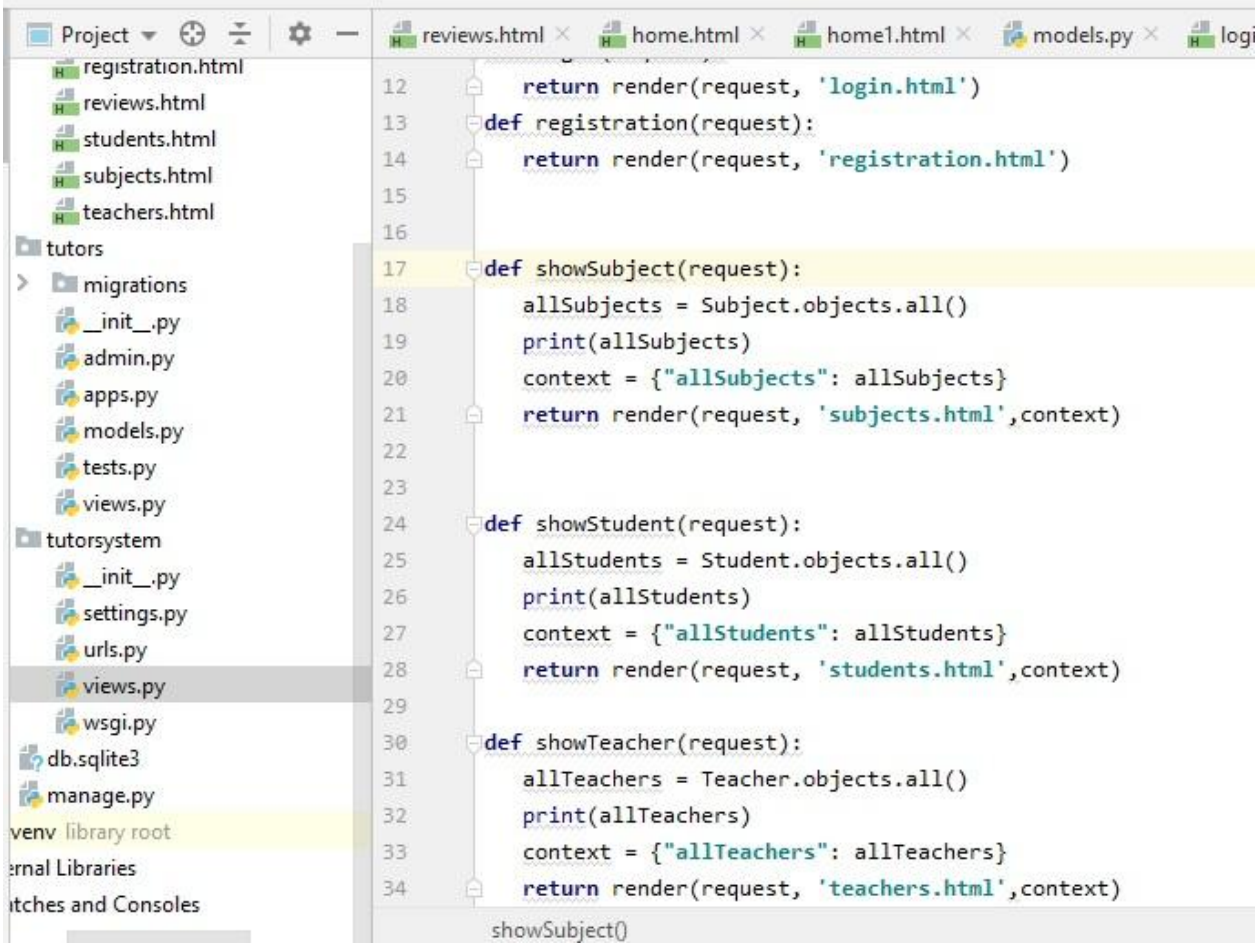


122
Mathmetics

123
English

145
ICT

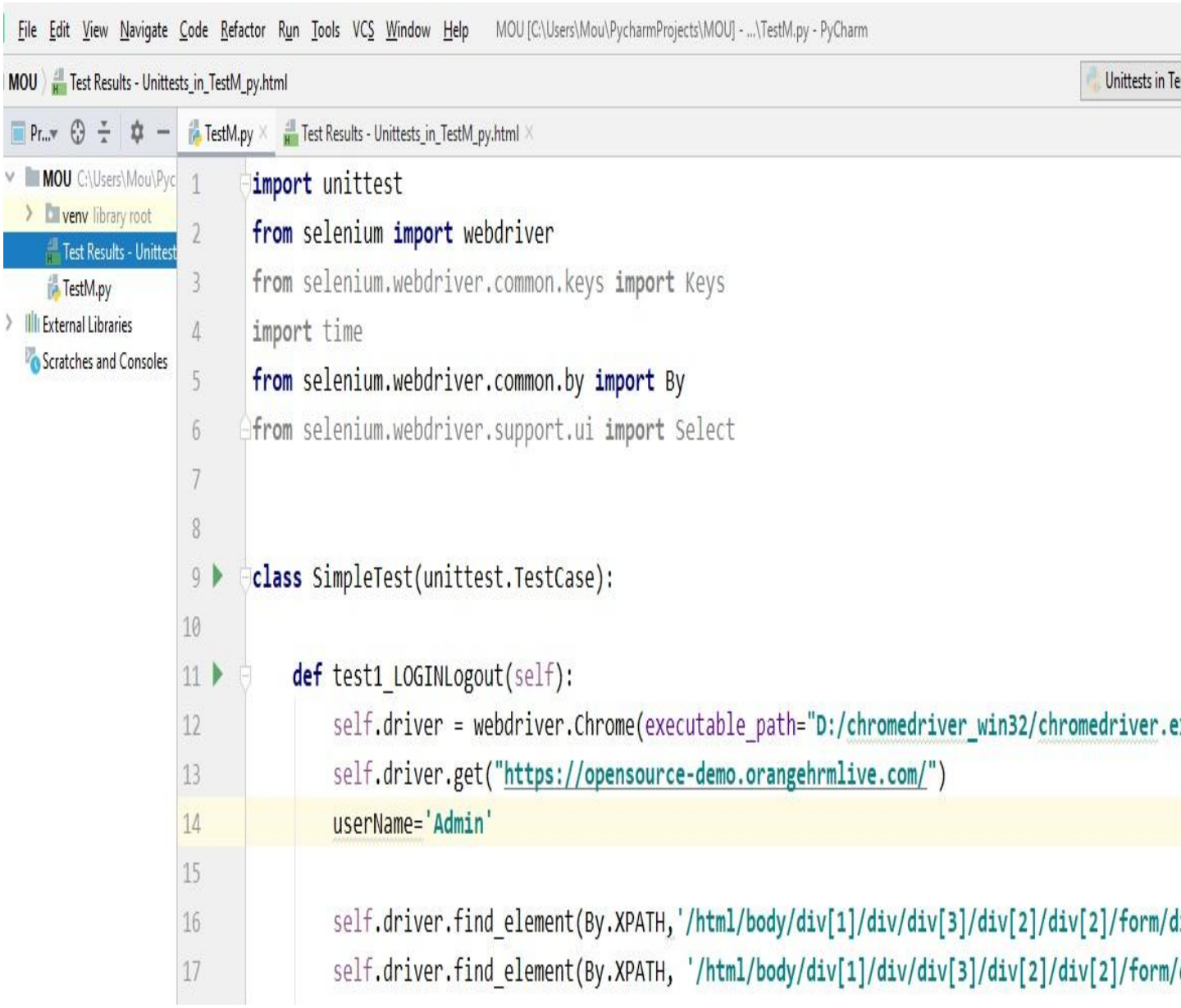
5. Views.py

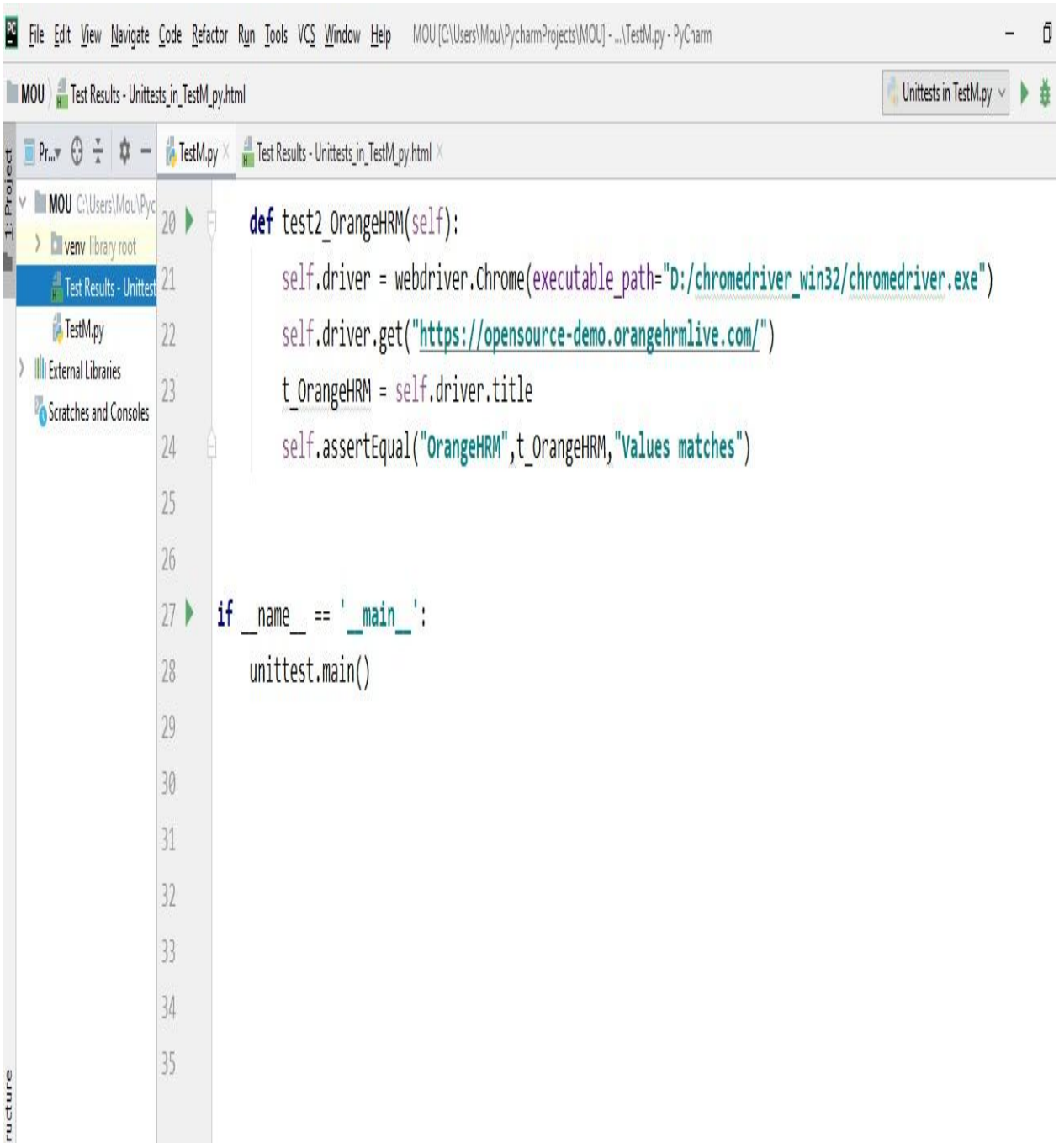


Testing and Debugging:

A simple scenario has been made since the main idea behind to cover and test all possible combinations of students or teachers in different modules, find the faults and fix them.

Tesing_code screenshot:




File Edit View Navigate Code Refactor Run Tools VCS Window Help
MOU [C:\Users\Mou\PycharmProjects\MOU] - ...\TestM.py - PyCharm
MOU
Test Results - Unittests_in_TestM_py.html
Unittests in TestM.py
1: Project
TestM.py
Test Results - Unittests_in_TestM_py.html
MOU C:\Users\Mou\Pyc
venv library root
Test Results - Unittest
TestM.py
External Libraries
Scratches and Consoles
def test2_OrangeHRM(self):
self.driver = webdriver.Chrome(executable_path="D:/chromedriver_win32/chromedriver.exe")
self.driver.get("https://opensource-demo.orangehrmlive.com/")
t_OrangeHRM = self.driver.title
self.assertEqual("OrangeHRM",t_OrangeHRM,"Values matches")
if __name__ == '__main__':
unittest.main()

HTML report for testing:

FEASIBILITY CHECKS:

The system is feasible because the student can easily log in and find suitable teachers, send request to the teachers.

VALIDITY CHECKS ON INPUT DATA:

Checks are performed on entering wrong email id, password.

Learnings from this work (Project):

Every project provides valuable experience. Positive as well as negative.

The good news is you can derive new insights and benefits from both! In the end, every experience can be helpful for future projects – and thus contribute substantially to future successes. As a CSE student I have learned many things in this project such as

1. Realise the mistakes or Avoidance of mistakes.

1. Stop and fix the problem
2. Having regular project team and stakeholder meetings is much more productive than a "Client Escalation" meeting, once a project is in danger of failure.
3. Use the lessons learned

4. Reduced risks &Seizing of opportunities.

5. How to Increased project quality.

Every project provides valuable experience. Positive as well as negative**.**

Deployment: To run our project:-

Step1: In django terminal, pip install django == 2.2

Step2: python manage.py runserver

FUTURE SCOPE AND EVALUATION:

Any student can give exam and get the result.

A payment method can be added.

Can add new features as and when require.

CONCLUSION: Fast processing and results shows immediately.

. Minimize human effort and cost **:**efficient database.