APPENDIX 1

TITLE OF PROJECT:

ONLINE COLLEGE ADMISSION MANAGEMENT SYSTEM

END TERM REPORT

by

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APPENDIX 2

Student Declaration

This is to declare that this report has been written by me/us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. We aver that if any part of the report is found to be copied, we are shall take full responsibility for it.

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APPENDIX 3

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TITLE: ONLINE COLLEGE ADMISSION MANAGEMENT SYSTEM

5. Background and objectives of project assigned:

First of all we have been given allotted a project Online College Admission Management System. In this project we have to make a complete online administration system for students and admin. We know that earlier we used to wait in a long queue for this whole admission process and its response that the particular student is admitted or not. But now with the help of this online system we have minimized and changed the above mentioned problem into a complete software. So in this system first we ask the student to fill up the form and ask him/her to enter the result of entrance test of the college/JEE Mains/12th Board in order to know the eligibility of the student. Simultaneously after entering the details the particular account will be saved with a particular credential. They can sit at home and can see the student details anytime. This is also very transparent system. We also have a option of admin page for checking and keeping the record and details of students that whether student is selected or not. It is a very secured system. Our system doesn't accepts any donation. We have used mysql for saving the data in the back end. In our database we can easily access and manipulate the credentials.

MySQL Connectors MySQL provides standards-based drivers for JDBC, ODBC, and.Net enabling developers to build database applications in their language of choice. In addition, a native C library allows developers to embed MySQL directly into their applications MySQL Connector/ODBC**,** once known as MyODBC, is computer software from Oracle Corporation. It is an ODBC interface and allows programming languages that support the ODBC interface to communicate with a MYSQL database. MySQL Connector/ODBC was originally created byMySQL AB.

Now let's talk about the GUI, A GUI uses a combination of technologies and devices to provide a platform that users can interact with, for the tasks of gathering and producing information.

he visible graphical interface features of an application are sometimes

referred to as *chrome* or *GUI* . Typically, users interact with information by manipulating visual widgets that allow for interactions appropriate to the kind of data they hold. The widgets of a well-designed interface are selected to support the actions necessary to achieve the goals of users. A model view controller allows flexible structures in which the interface is independent of and indirectly linked to application functions, so the GUI can be customized easily. This allows users to select or design a different *skin* at will, and eases the designer's work to change the interface as user needs evolve. Good user interface design relates to users more, and to system architecture less. Large widgets, such as windows, usually provide a frame or container for the main presentation content such as a web page, email message, or drawing. Smaller ones usually act as a user-input tool.
A series of elements conforming a visual language have evolved to represent information stored in computers. This makes it easier for people with few computer skills to work with and use computer software. The most common combination of such elements in GUIs is the *windows, icons, menus, pointer* (WIMP) paradigm, especially in PC. In PC, all these elements are modeled through a desktop metaphor to produce a simulation called a desktop environment in which the display represents a desktop, on which documents and folders of documents can be placed. Window managers and other software combine to simulate the desktop environment with varying degrees of realism.

A database is a collection of information that is organized so that it can be easily accessed, managed and updated.

Data is organized into rows, columns and tables, and it is indexed to make it easier to find relevant information. Data gets updated, expanded and deleted as new information is added. Databases process workloads to create and update themselves, querying the data they contain and running applications against it.

6. Description of Project:

When we launch the project at first we can see the loading page

Working of loading page: We have use GIF for making Loading page, we have used time module for stopping for 5 sec at the loading page. We also use sleep function which uses the parameter of how many seconds you want to sleep for stopping. After this we terminate this function at a dashboard of login page.

Then we will be given three options of Admin page, Registered student, New admission.

a. **Admin Panel:** In this panel first the person will enter the credentials to enter the panel. Then he/she will see a Admin dashboard. Then he/she can see the no. of students registered/applied/rejected/selected.
b. **Registered Student:** In this panel the registered student can enter the credential. He can check that whether he is selected or rejected. He can also browse the course details.
c. **New admission:** Whenever a new admission case is there we will ask to fill up the form, which will include name, father's name, mother's name, phone number, 12^{th} result, College entrance test result, after that he will be asked to enter username and password which will be saved for future use and will help the student to login again.

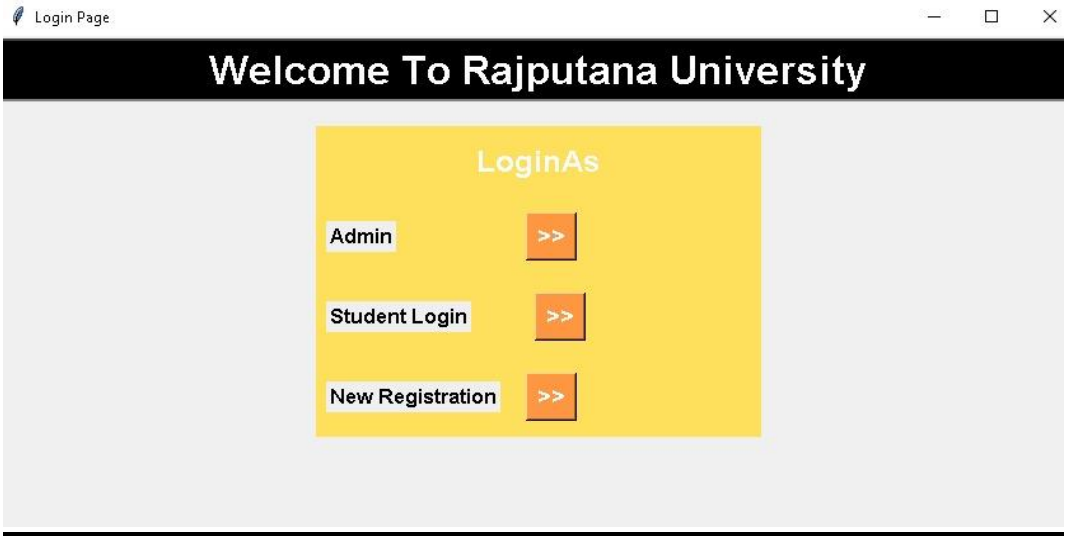
7. Description of Work Division in terms of Roles among Students:

SHASHWAT SINGH: Worked on Back end and UI.
VISHWANATH PRATAP SINGH: Worked on the UI and Credentials.
ADITYA SINGH: Worked on the UI of login paged.

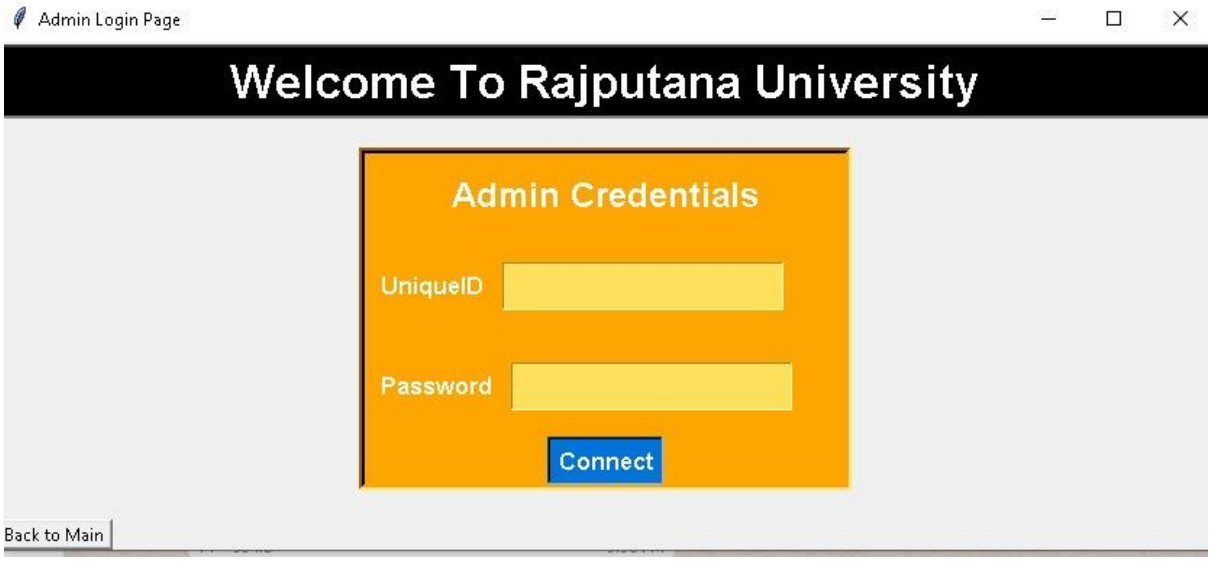
8. Implementation of scheduled work of Project:

a. Login Page:

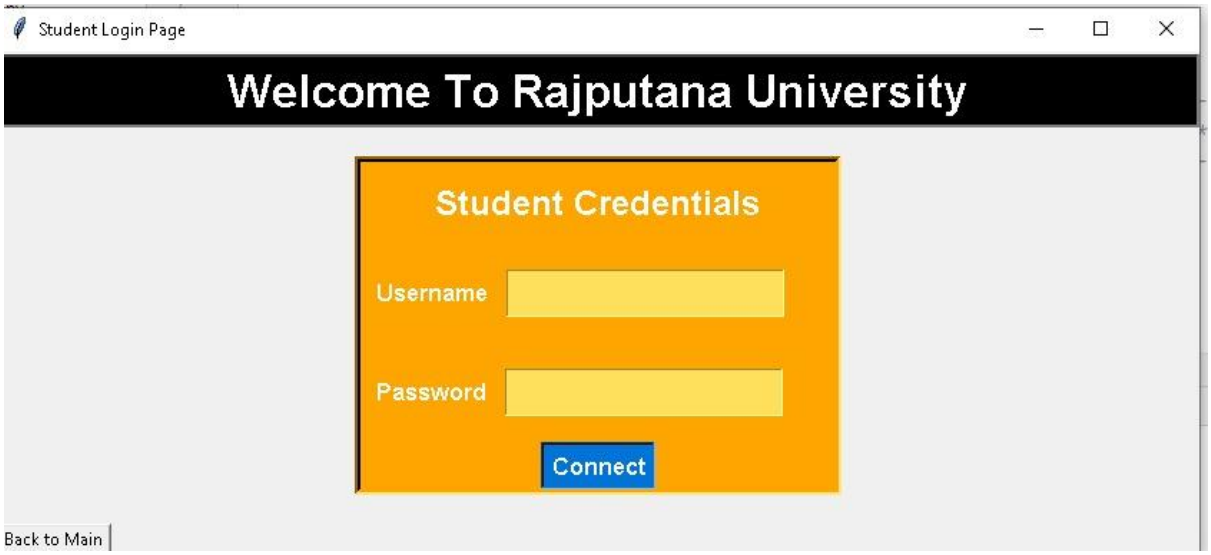
Login as Admin, Registered Student or new registration.



b. If Clicked Admin, then enter the credentials:

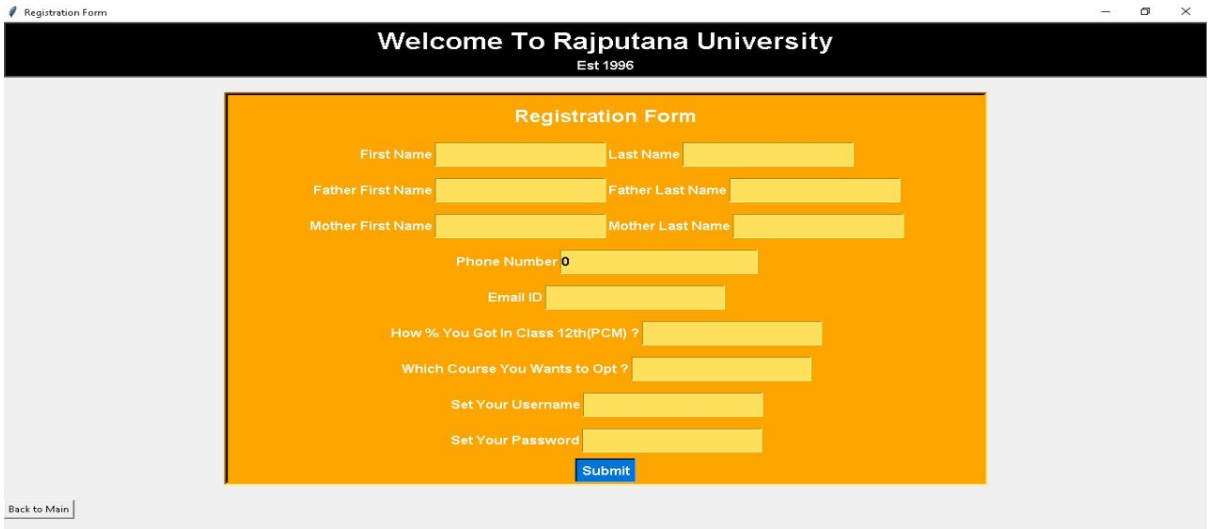


d. If Clicked Student, then enter the credentials:



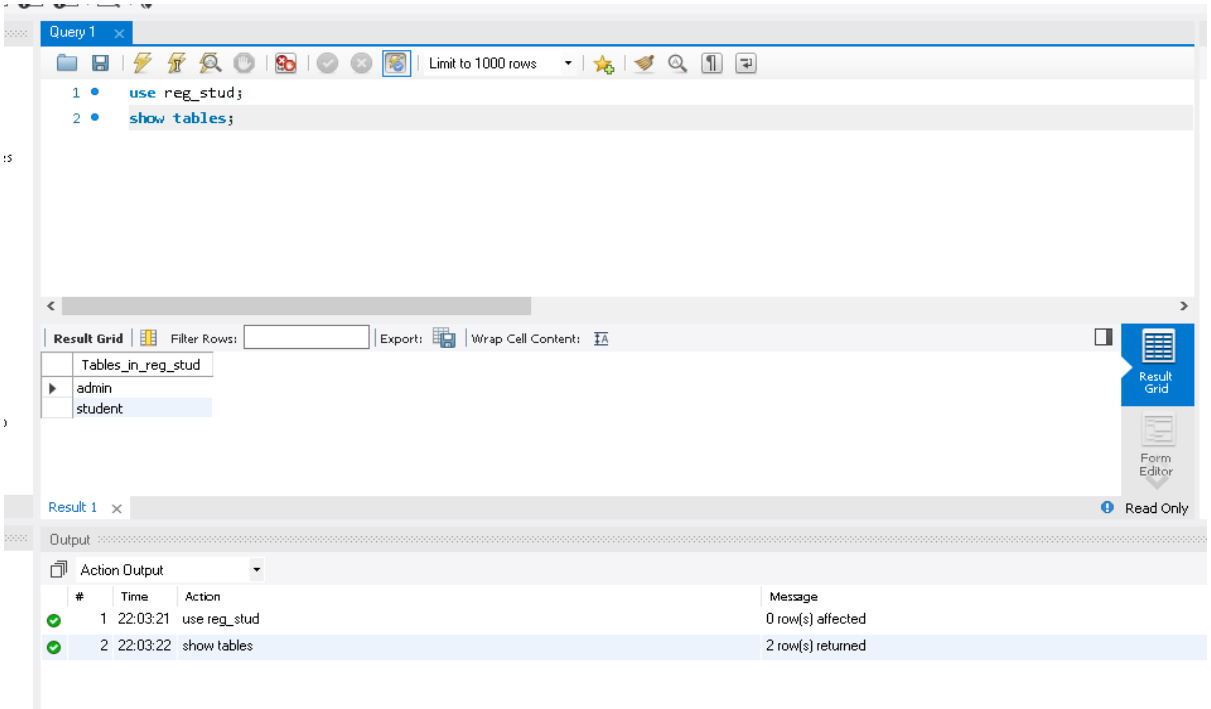
e. For enquiring the information regarding the examination:

f. If clicked New Registration, then enter the credentials:



g. For Contacting Us:

g.Database(There are two tables admin and student which contains data)



9. Technologies and Framework used.

a. tkinter

Tkinter is a Python binding to the Tk GUI toolkit. It is the standard Python interface to the Tk GUI toolkit,[1] and is Python's *de facto* standard GUI.[2] Tkinter is included with standard Linux, Microsoft Windows and Mac OS X installs of Python.

b .mysql

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses.

10.SWOT Analysis achieved in project.

Strengths: Them strength of this project is that it can handle the accounts and credentials of several persons as students and admins.

Weaknesses: The weakness of this project is that GUI is very old fashioned and less user friendly as compared to CSS and BOOTSTRAP.

Oppurtunities: The oppurtunities of the project is that many colleges can use this as their official for admission of students.

Threats: The main threat is sql injection may happen .

SQL injection, also known as SQLI, is a common attack vector that uses malicious SQL code for backend database manipulation to access information that was not intended to be displayed.

Example: An attacker wishing to execute SQL injection manipulates a standard SQL query to exploit non-validated input vulnerabilities in a database. There are many ways that this attack vector can be executed, several of which will be shown here to provide you with a general idea about how SQLI works.

GitHub Link :- https://github.com/Shashwatsingh22/Online-College-Admission-Management-System-Project