Student Examination Portal

S. M. Kulkarni[*], M. Awati, R. Kadere, N. Paricharak, T. Babar

Department of Computer Science& Engineering, Karmayogi Engineering College, Shelve Pandharpur.

*Corresponding author

ABSTRACT

Student Examination Portal has made very interactive keeping in mind it is an interesting part and brings plenty of extraordinary things. The project has been developed using Python, PostgreSQL as a backend, and Html, CSS as a frontend. There is a username and password for those students who are registered. The study and placement-related material are provided so students can easily get reliable notes. Admin or the college staff can update the info of the exam accordingly and can keep the records easily.

Keywords: Exam management, Portal, Data base, User interface

1   Introduction

Online Examination Portal may be a web portal (or) we will say an internet application helps the students where they will get their college subjects material, placement preparation material and they can access the notes and test. It's also helpful for the staff because it provides the results automatically after the examination with accuracy. This examination contains the multiple MCQ test series, this helps students to offer the exam far away from distance and which may provide security, ease, and other beneficial features to the user. Recent references [1] should be included for showing previous work done and the importance of current work. This section should be succinct, with no subheadings unless unavoidable [2, 3]. State the objectives of the work and supply an adequate background associated with your work, avoiding an in-depth literature survey or a summary of the results.

2   Working Methodology

- Processing of already gathered information to finalize the wants.
- Acknowledged the particular functionalities and users of the system.
- Prepared detailed design structures like DFD's, use cases, sequence diagrams, and activity diagrams.
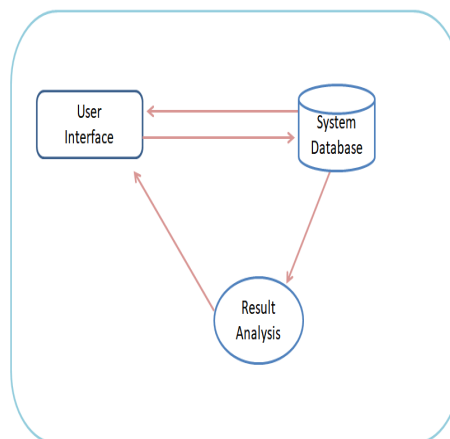- Decided the platform for implementation.

A. System Architecture:

Figure 1: System Architecture

In System architecture, we have an interface and system database, which are co-related with one other. Result analysis is another interface used for analyzing and calculating the result and display it to the user.
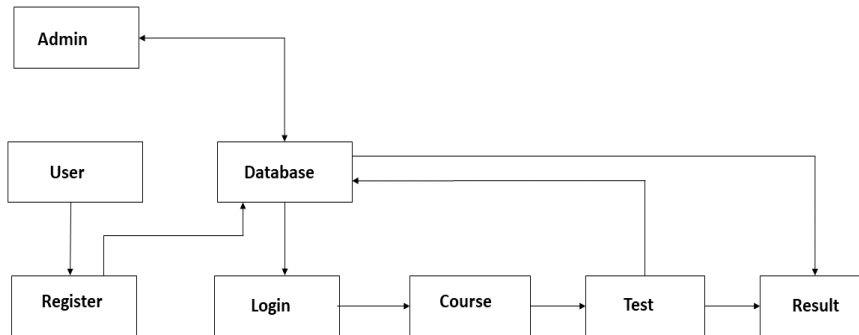
B. Data Flow Diagram:

Figure 2: Data Flow diagram

In the Data flow diagram, admin logins in the admin can add, edit, delete and consider the records of your timetable, class, branch, and subject. Admin can manage all the details of exams, students, course, and system and manages all the functionalities.
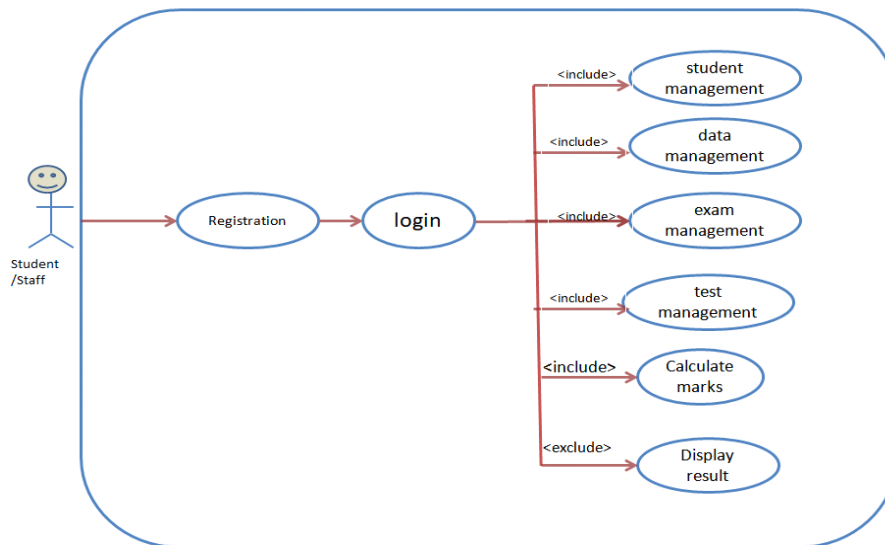
C. Use Case Diagram:

Figure 3: Use Case Diagram

Use case diagram shows the functionalities of the system. Firstly, when a student is new to the portal then the actor should register for the portal, and then he/she will set his login terminals. The data management ware going to be including the info and exam for each department have already set for the students by the admin side.

When the student takes the test, the test result is saved to the database and displayed separately for each student within the dashboard.
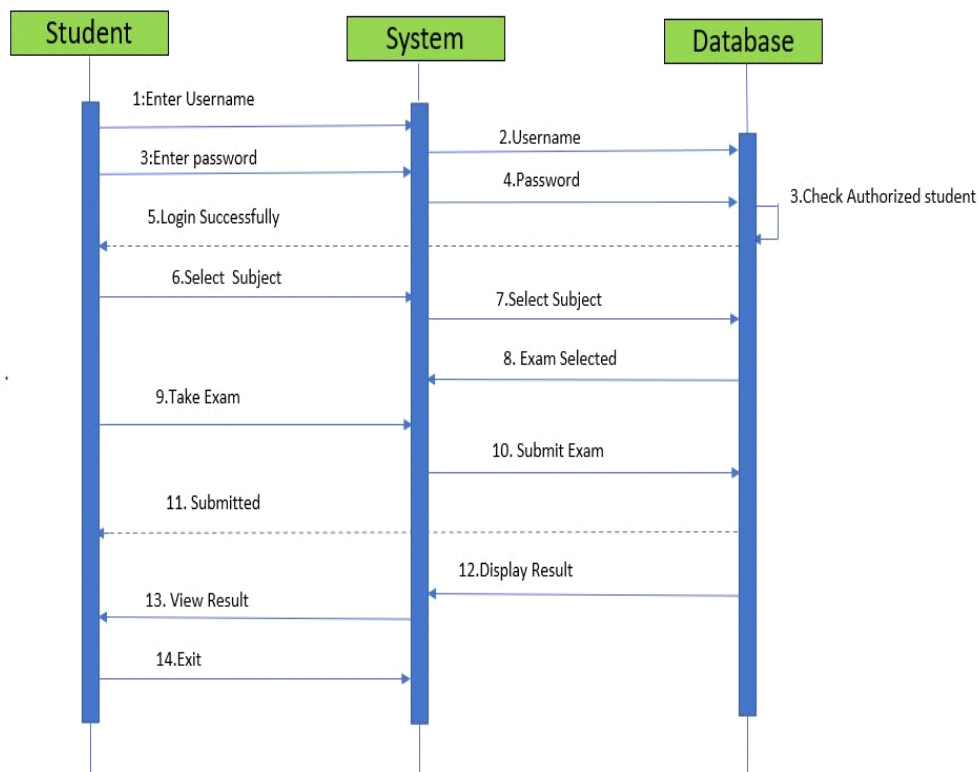
D. Sequence Diagram:

Figure 4: Sequence Diagram for Student

This is a Sequence Diagram for the user, all the pages are secure and the user and access these pages after login. This helps to demonstrate how the login page works.

3   Conclusions

Student Examination Portal is a user-friendly system, which is very easy and convenient to use. The "Student Examination Portal" has been completed. The goal of the system is achieved and problems are solved.

References

[1]   Richard Hundhausen and Steven Borg, *Building Web Applications with ADO.NET and XML Web Services [M]*, 2003.
[2]   Lu Feng-Lian and Deng Fei, "Implantation of Online Examination System based on the Web Technology [J]", *Control & Automation*, no. 6, pp. 224-226, 2007.
[3]   Li Bin and Huang Ping, "Research and Implementation of Examination System Framework Based on Web Service [J]", *Journal of Sichuan College of Education*, no. 5, pp. 105-108, 2007.
[4]   A study on Web-based Online Examination System – SSRN. https://papers.ssrn.com › SSRN_ID3611554_code4198290