A Mini Project Synopsis on

Student Portfolio Management System

S.E. - I.T Engineering

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CERTIFICATE

This to certify that the Mini Project report on **Student Portfolio Management System** has been submitted by Pranil Patil(20104021), Sahil Shetty(20104122), Akash Patil(20104075) and Sushant Waghmare(20104113) who are a Bonafede students of A. P. Shah Institute ofTechnology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **Information Technology**, during the academic year **2021-2022** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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Chapter 1

Introduction

Student Portfolio (Certificate Management) System is a very useful app for Student & Institude who Have Many Certificates Performed In academics. The app ensures that our users can save their Certificates and get there data anytime with our sorting process. In our App student as well as institute can manage and Store All their certificates without any problems, thus providing a user-friendly experience. Students Want their Data for Resumes and Other activities But its Hard To find all there certificates where they stored this platform make it happens to Student. There are certain that were the institute can manage and Save Report For their students. The application is a complete dynamic system that could showcase All Data Management provides a platform to Save certificates.

1.1 Purpose:

The purpose of our application is to help Student to Manage their certificates and institute to manage their student Report And give them Way to build their portfolio for placements and all. Our objective is also to save time and give better functionality. the application has a variety of functionalities including viewing, adding data. It's basically an open-source for student and Institute people who have the data Lost problems. the application is user friendly for all Users. Certificate Management System can help a lot of Students struggling to Manage there Certificates of academic years.

1.2 Scope

Our application is useful in many aspects. The application is designed so simple to use that it can be used by anyone. It's basically a kind of recipe saving application; hence it can be highly useful for the following:

1. Students: They simply Add their certificates and download any time.

2. Institute: the faculty and their teacher can track their students' certificates and give them guidance to build their portfolio for future activities.

And also, this system can help all Learners to grow their skills and get more and more certificates, instead have major role in our system.

Chapter 2

Problem Definition

We all know it's very difficult to manage our all certificates in one place. Portfolio assessment has become widely used in educational setting as way to examine and measure progress by Documenting the process of learning or change as it occurs. Portfolios extends to beyond test scores to include substantive description or examples of what to student is doing and experiencing. This project deals with the various functioning in college management process. The main idea is to implement a proper process to system. But, none of these applications take into account whether there are recipes to add by the consumer. In addition, the user can add, edit to the database.

Chapter 3

The aim of proposed system is to help the users find and view their certificates as well as allowing them to add intuitive simple design that provides the user all the necessary functionalities.

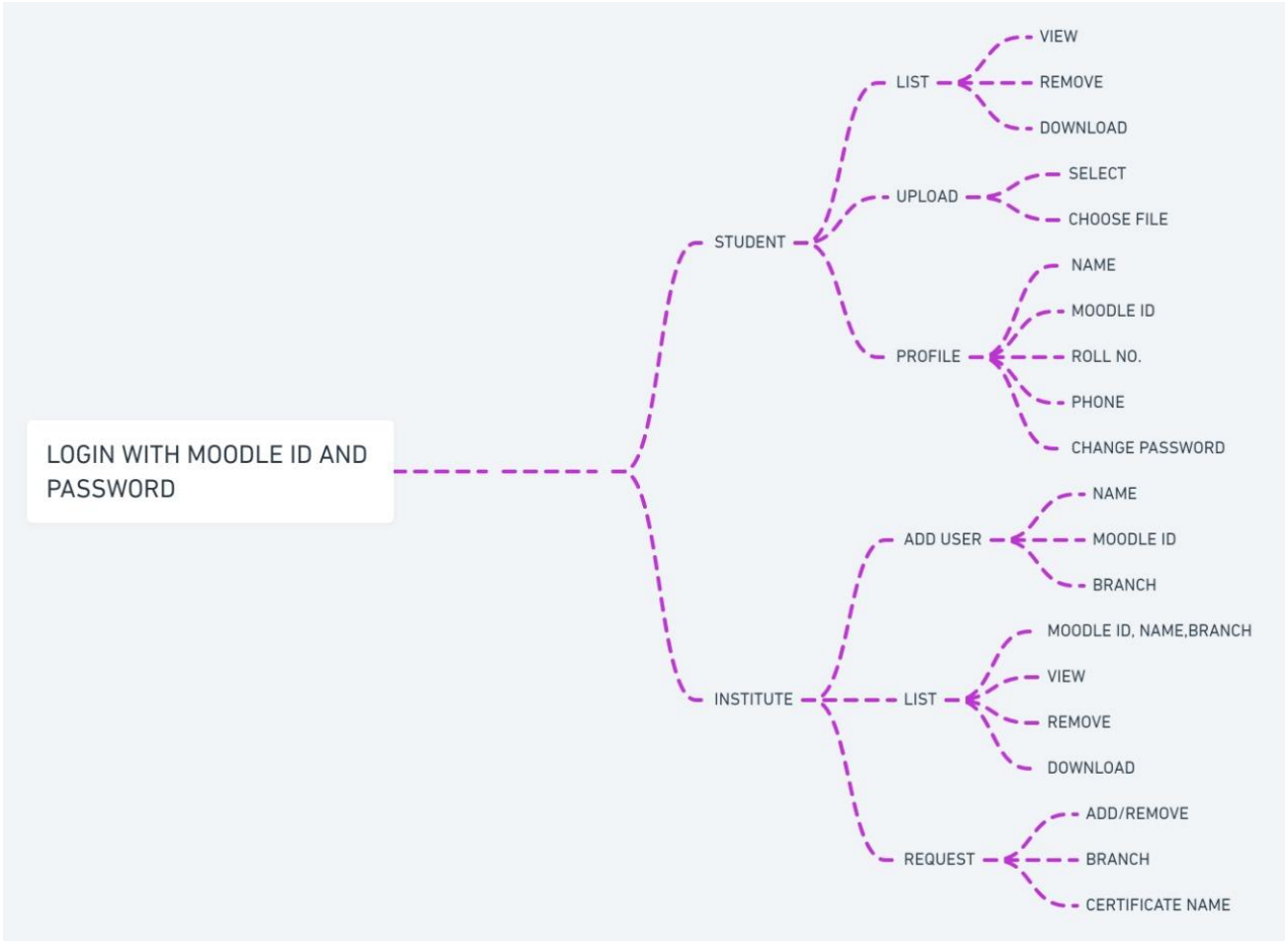


Figure 3.1 ER Diagram

The above diagram shows that both the students and institute have to log in to browse through their respective panels. The Institute entity has the power to add the users in student panel. The institute also has the power to request the students to upload any certificate the admin wants. The student can then log in after the institute has added the individual using their credentials. The student can update their profile details any time they want. Now the student can upload, view, download or remove the requested certificate.

3.1 Features and Functionality:

• Registration is quite simple admin has to register student using Moodle.id, phone number, Name, Email id and Password and after registering just has to login using Moodle.id and password of respective student.

• Student can add their Institute certificates & Extra curriculum Certificates, that can help student to Store their Data in One place. Students can search for their certificates in a sorted manner without having the need to browse through their folders. This makes it convenient for the students to make their resumes as they have all the certificates stored in one place.

• The portal contains File replace functionality to replace their wrong certificates and change it. The admin and the user have the power to remove the certificate from their database.

• The admin can ask the students of different branches from the request button to add/remove the required certificates and those requests will be visible to the students of the required branches while uploading their certificates.

Chapter 4

Project Outcome:

- User has to register for the first time to manage.
- User then can login after registration at any time of his/her choice.
- User can add certificates.
- User can also view certificates.
- Institute can get a report of uploaded certificates.
- Certificate Management system shows all certificates at one place.
- It has simple user friendly ui to done all works easily.
- Lastly, logout option is available for user to exit.

Chapter 5

Software Requirements:

- Programming language: Java
- Operating System: Windows 11
- Development Environment: Visual Studio
- Database: MySQL (PHPMYADMIN)

Chapter 6

Project Design:

In this phase, a logical system is built which fulfils the given requirements. Design phase of software development deals with transforming the client's requirements into a logically working system. Normally, design is performed in the following in the following two steps:

1. Primary Design Phase:

In this phase, the system is designed at block level. The blocks are created on the basis of analysis done in the problem identification phase. Different blocks are created for different functions emphasis is put on minimising the information flow between blocks. Thus, all activities which require more interaction are kept in one block.

2. Secondary Design Phase:

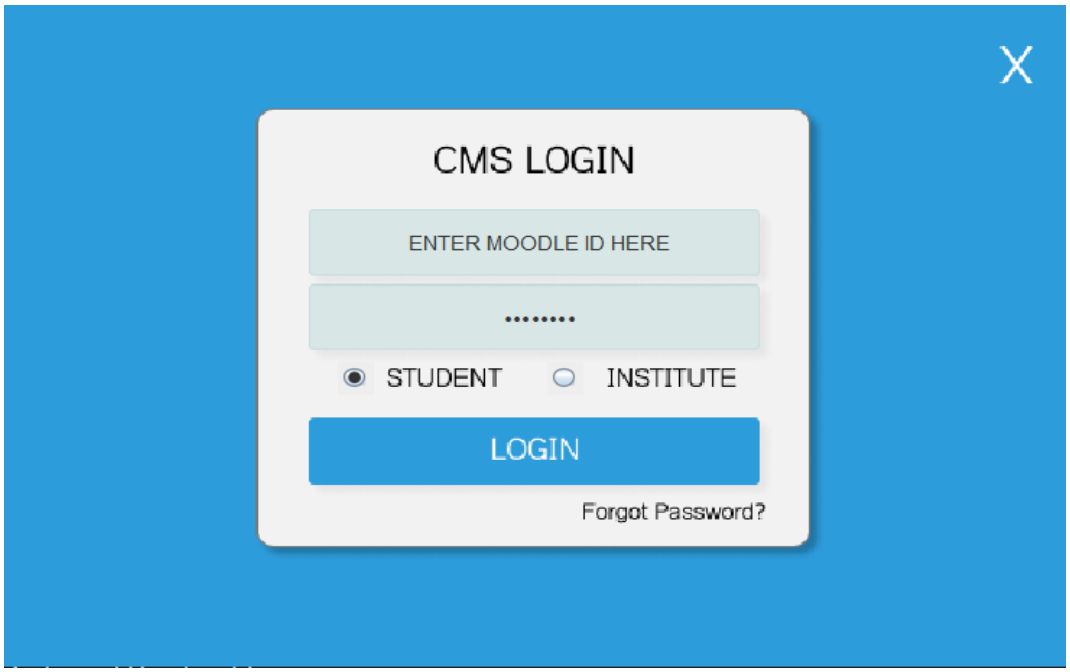
In the secondary phase the detailed design of every block is performed.

The general tasks involved in the design process are the following:

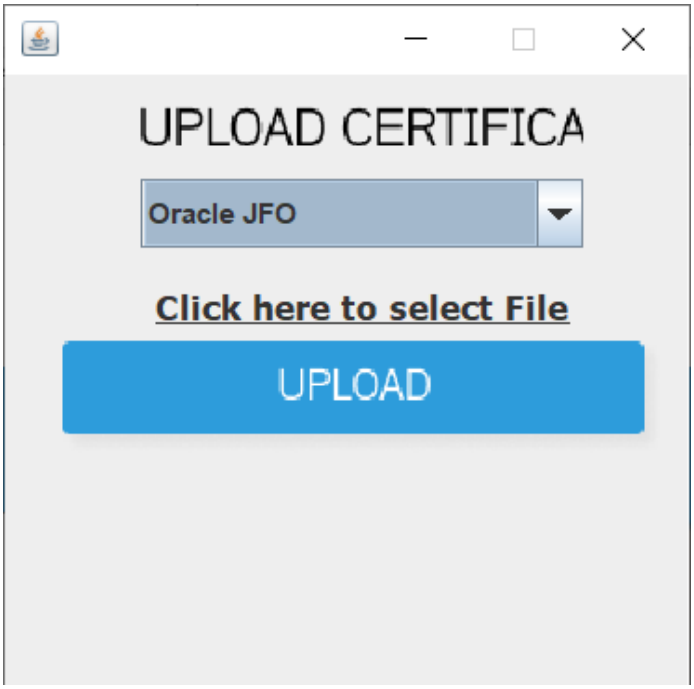
- Design various panels like login, institute and student panel for overall system processes.
- Design smaller, compact and workable modules in each panel.
- Design tables to view the required data.
- Using images in the form of button so that it can be attractive.
- Centrally aligning all the pages to look systematic.

User Interface Design

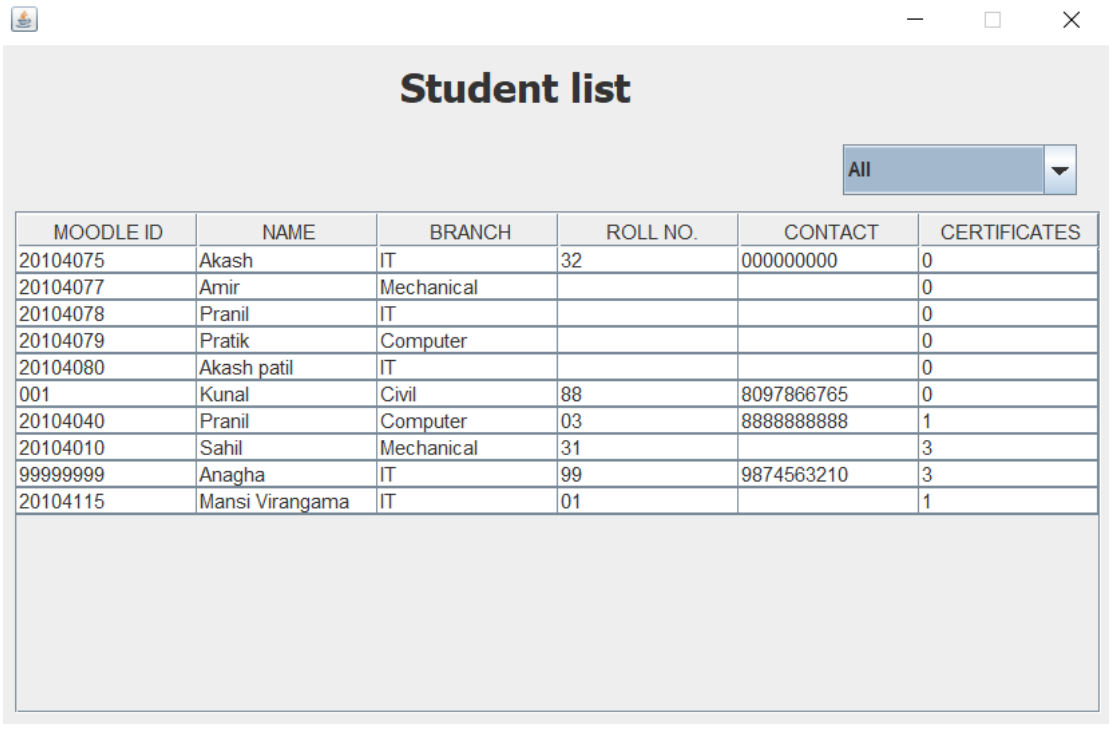
User Interface Design is concerned with the dialogue between a user and the computer. It is concerned with everything from starting the system or logging into the system to the eventually presentation of desired inputs and outputs. The overall flow of screens and messages is called a dialogue.



This is the first window (Login page). From here, students/institute can login and move to their respective panels (Institute/Student panel)

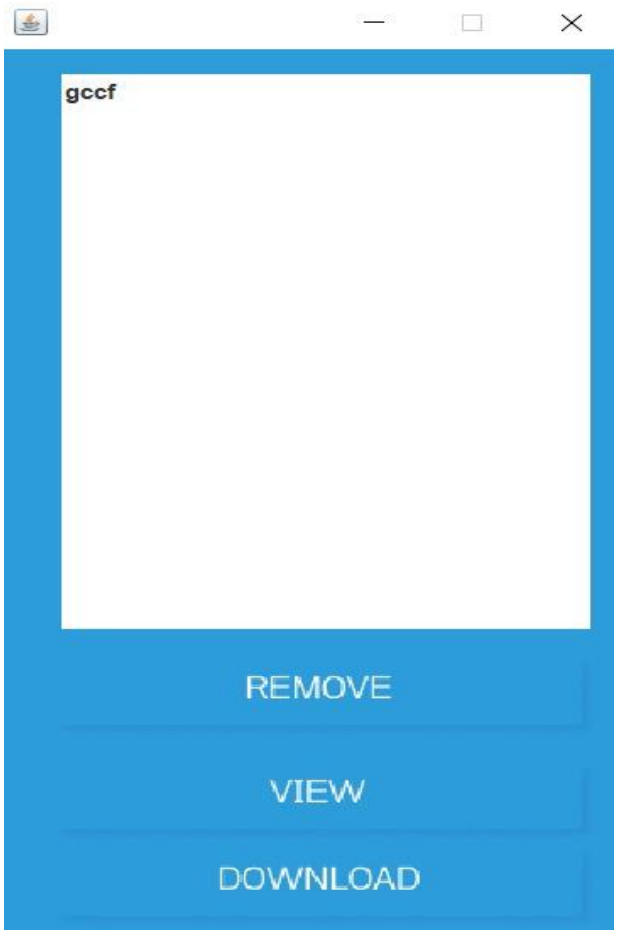


This is the panel to upload certificates, the students receives the request to upload certificate from institute in this panel and accordingly they have to upload the certificates.



MOODLE ID	NAME	BRANCH	ROLL NO.	CONTACT	CERTIFICATES
20104075	Akash	IT	32	000000000	0
20104077	Amir	Mechanical			0
20104078	Pranil	IT			0
20104079	Pratik	Computer			0
20104080	Akash patil	IT			0
001	Kunal	Civil	88	8097866765	0
20104040	Pranil	Computer	03	8888888888	1
20104010	Sahil	Mechanical	31		3
99999999	Anagha	IT	99	9874563210	3
20104115	Mansi Virangama	IT	01		1

The above picture is the student list table where the institute can track all student from different branch. This shows all the data uploaded in the database including the option to view certificate.



This interface is available to institute as well as student. With the help of this, students/institute can remove, view or download the certificate

Chapter 7

Project Scheduling Template

SR NO	Group Member	Time Duration	Work Done
1	Sahil Shetty	3rd week of September	Designing the Login page, Registration page and the home page includes add, Edit. and implementing the logout/exit button on each page.
2	Pranil Patil	4th week of September	Designing the database and linking for Registration.
	Pranil Patil and Akash Patil	3rd week of October	Testing the linking of database to Registration and Login.
3	Akash Patil	4th week of October	Designing the upload and edit functionality and connecting it to the database.
4	Sahil Shetty and Sushant Waghmare	2st week of November	Adding the request functionality and implementing the JFileChooser.
5	Sushant Waghmare	3rd week of November	Implementing the design of both panels and completing the report.

Chapter 8

Conclusion:

In all the school portfolio management system is bringing a great difference in the lives of students, teachers, parents, and the admin. Good management offers better productivity and hence more progress towards development. Seeing its demands and benefits, we have come forward with best-featured student portfolio management software. It helps the organization as well as the student to achieve the target, reduce work, increase efficiency, eliminating error, and monitoring progress.

A description of the background and context of the project and its relation to work already done in the area. We define the problem on which we are working in the project. We describe the requirement Specifications of the system and the actions that can be done on these things. We understand the problem domain and produce a model of the system, which describes operations that can be performed on the system. We included features and operations in detail, including screen layouts. We designed user interface and security issues related to system. Finally, the system is implemented and tested according to test cases.

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[2] Adding an image to button, “https://stackoverflow.com/questions/4801386/how-do-i-add-an-image-to-a-jbutton”

[3] Storing image to database, “https://stackoverflow.com/questions/58514150/how-to-upload-image-to-phpmyadmin-database-and-save-it-to-a-specific-username”

[4] Retrieve image from database, “https://www.w3spoint.com/retrieve-image-from-database-in-java”

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