SRS FOR PROJECT[IDEA] SUBMISSION PORTAL

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Seat No	315
Project ID	35
Stack	MEAN

1.Introduction:

1.1Purpose:

This documents provides a detailed description of the requirements for the development of a Project Submission Portal.The purpose of this Project Submission Portal is to create a centralized portal for students to submit their project,track the status of their submission,and receive feedback.Evaluators can check the project details completely and analyze them to approve or reject the submission.Within our institute it promotes innovation, eases the flow of ideas, and helps with project management.

1.2Scope of the Project:

- Users can create accounts by providing necessary information such as username, email id, and password.This ensures secure access to the portal,protecting user accounts and data.
- Students can submit their projects through a registration form, including essential details such as project title, scope,abstract,methodology,team details,domain,components requirement and work flow diagram.

- Evaluators have access to an admin panel where they can manage project submissions, review projects, and provide feedback to students.They can approve and reject the project as per criteria and can provide remarks to students which will be displayed in the students dashboard.

2.Overall Description:

2.1.Users:

1.Students:

Students can submit their projects through a registration form,provide the required details about the project,upload the relevant project documents,they can monitor their approval status and can resubmit the project if it got rejected.

2.Evaluators:

Review the submitted project,approve or reject applications with remarks and view the monthly summary about the approval of the project.

2.2.Features:

1.Login and Registration:

Students can register for a new account or login with their existing account.This login page enhances the security of the portal.

2.Project Registration Form:

Students can provide the required information about their projects in the form and relevant documents can be uploaded.Upon successful submission of the form.It is submitted to admin interface for further process.

3.Approval Status:

Students can view their approval status in the project dashboard and can view their past projects.

4.Evaluator Access:

Evaluator can view all the submitted forms,view the details and approve or reject the project with suitable remarks.

5.Evaluators's Dashboard:

Evaluators can view the number of projects pending for approval based on their domain[Software/Hardware].And can view the monthly summary of approved and rejected projects.

3.1 Functional Requirements:

3.1.1 User Management:

- Students can register for a new account or use their existing account to log in securely.
- Evaluators have access control with an analytical dashboard and dedicated features.

3.1.2 Project Registration:

- Students can submit applications with required details.
- The application form contains fields such as Team Name,Team Size,Team Leader and Team member details,Title of Project, Domain of the project, Scope,Abstract and Methodology of the project,Components list if required and Provisional document attachment.

3.1.3 Application Status:

- Students can view the current status of their project.
- If the project is rejected, the remarks are displayed to the students.

3.1.4 Evaluator's Dashboard:

- Evaluators can view a list of all submitted projects and view their details.
- Evaluators can approve or reject the project with suitable remarks.
- Evaluators can view the number of projects pending for approval based on the domain and can view the monthly summary of approved and rejected projects

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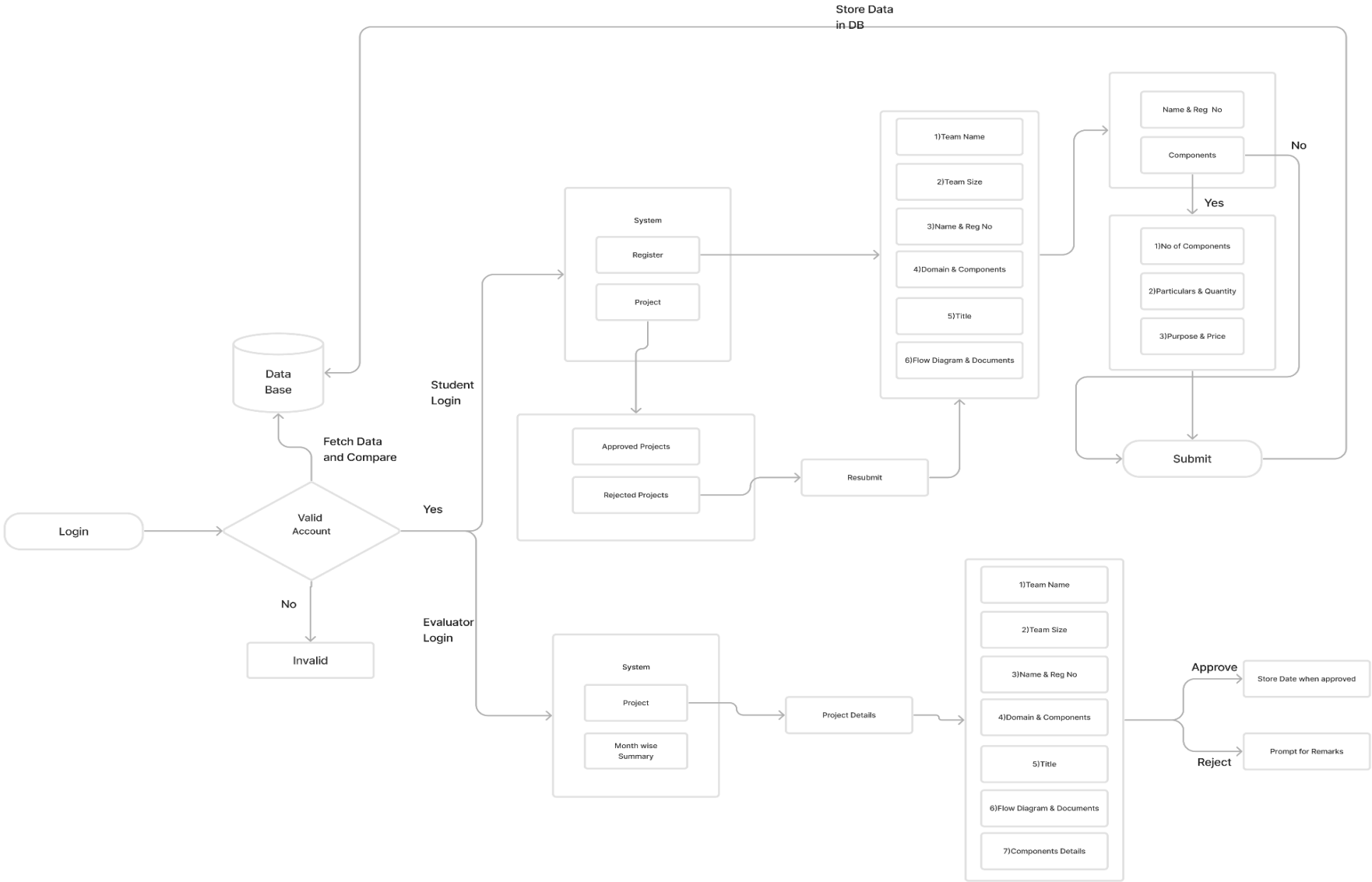
PORTAL INTERFACE(FLOWCHART):



3.2 Non-Functional Requirements:

Performance: The system should respond to user actions within 2 seconds for an efficient usability and handle a concurrent user load of at least 100 users without any performance degradation.

Security: Encrypting user data is necessary to guarantee its security and integrity both during transmission and storage.Secure authentication methods should be used to limit authorized admin users access to sensitive functionalities.

Usability: Easy navigation and interaction are made possible by an interactive and user-friendly user interface.To improve usability and assist users in the event of input errors or system failures, clear error messages must be displayed.

Reliability: The system must remain accessible to users continuously, with little to no downtime.To improve dependability and prevent data loss in the event of system faults or crashes, a backup and recovery strategy should be in place.

Scalability: Scalability of the system should be ensured by designing it to support a growing number of users and data volume over time.In order to accommodate development and change, the system should be scalable to enable new features and functionalities as needed in the future.

Backend:

1.Student Entity

Name	String
Reg No	String
Email	String
Team Name	String
Password	hash code

2.Evaluator Entity

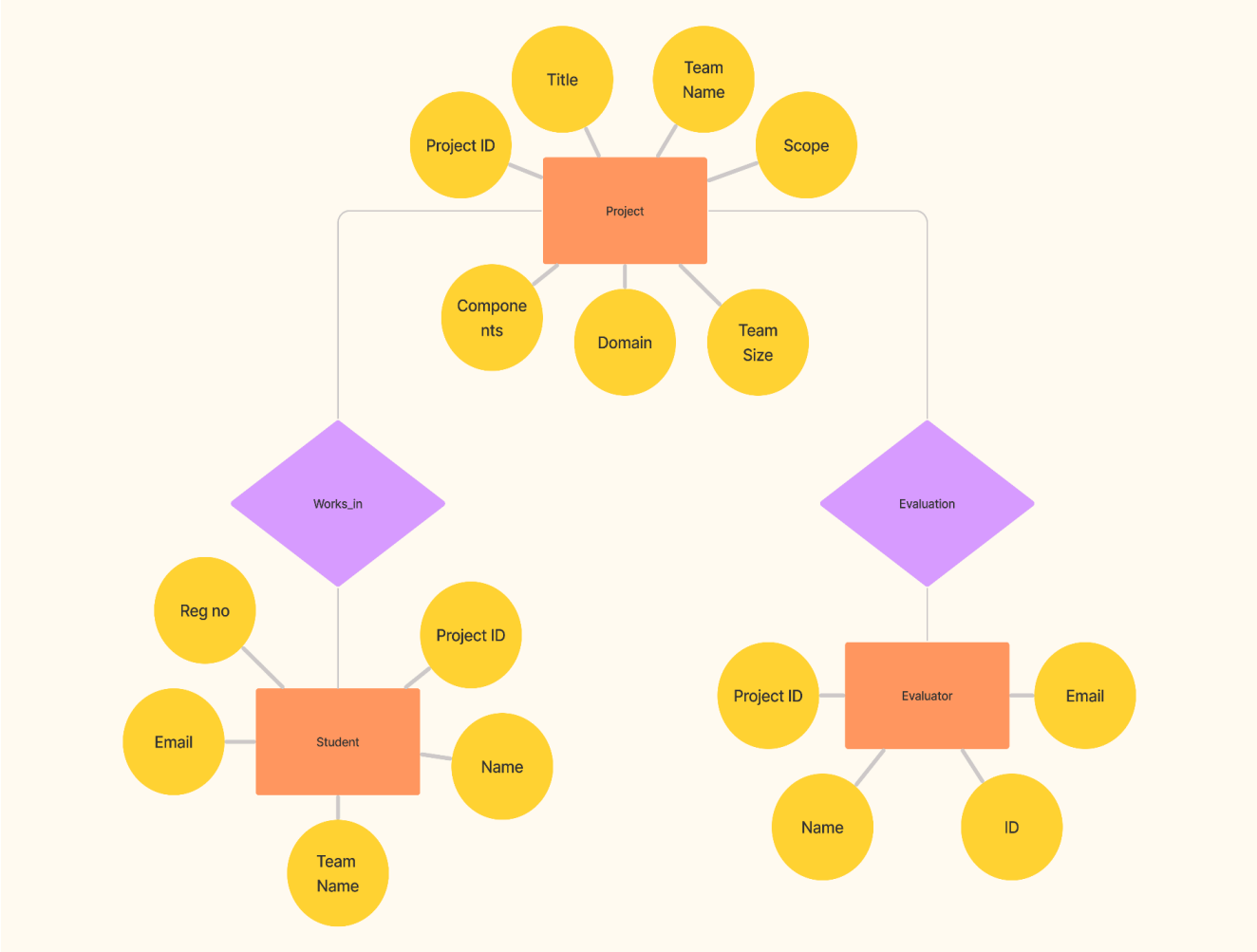
Name	String
Id	String
Email	String
Password	Hash code

3. Project Details Entity

Project Id	Integer
Team Name	String
Details	Array of Objects

Team Size	Integer
Additional Students	Array of Objects
Title	String
Domain	String
Scope	String
Components	Array of Objects
pdfPath	String
Status	String
CreatedAt	Date

Entity Relationship Diagram(ER Diagram):



Stack:

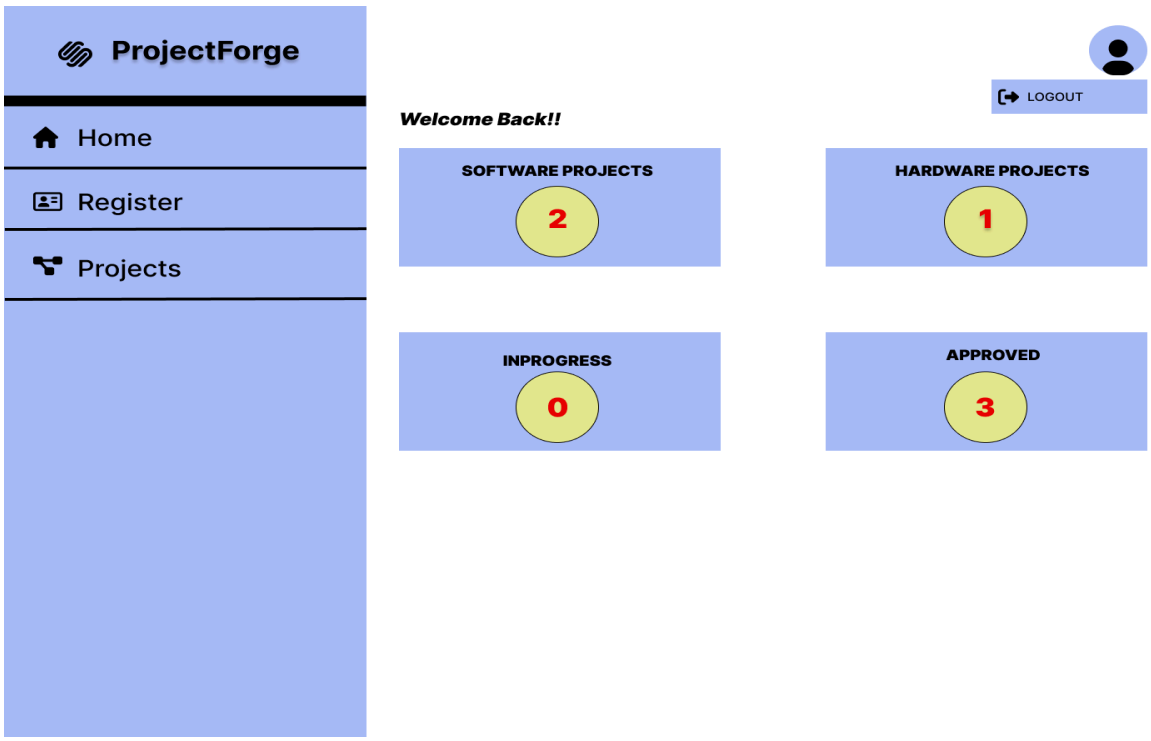
Front End	Angular Js
Back End	Node Js,Express
Data Base	MongoDB

Prototype Of The Project:

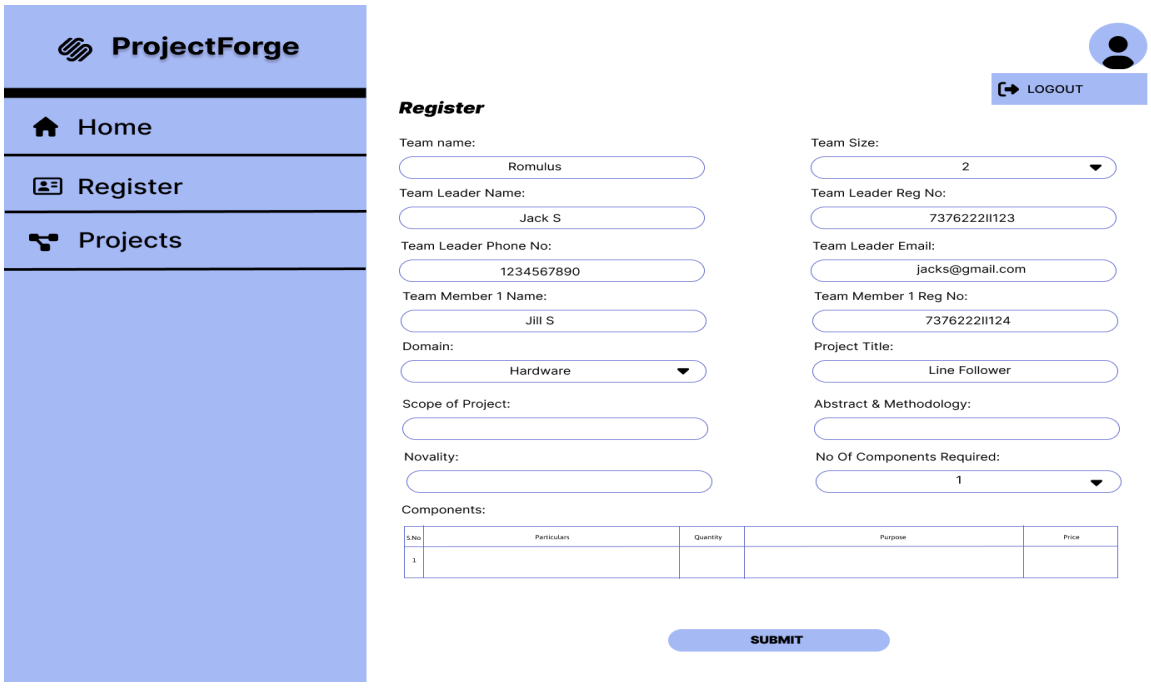
1.Login Form

2.Register/Signup Form

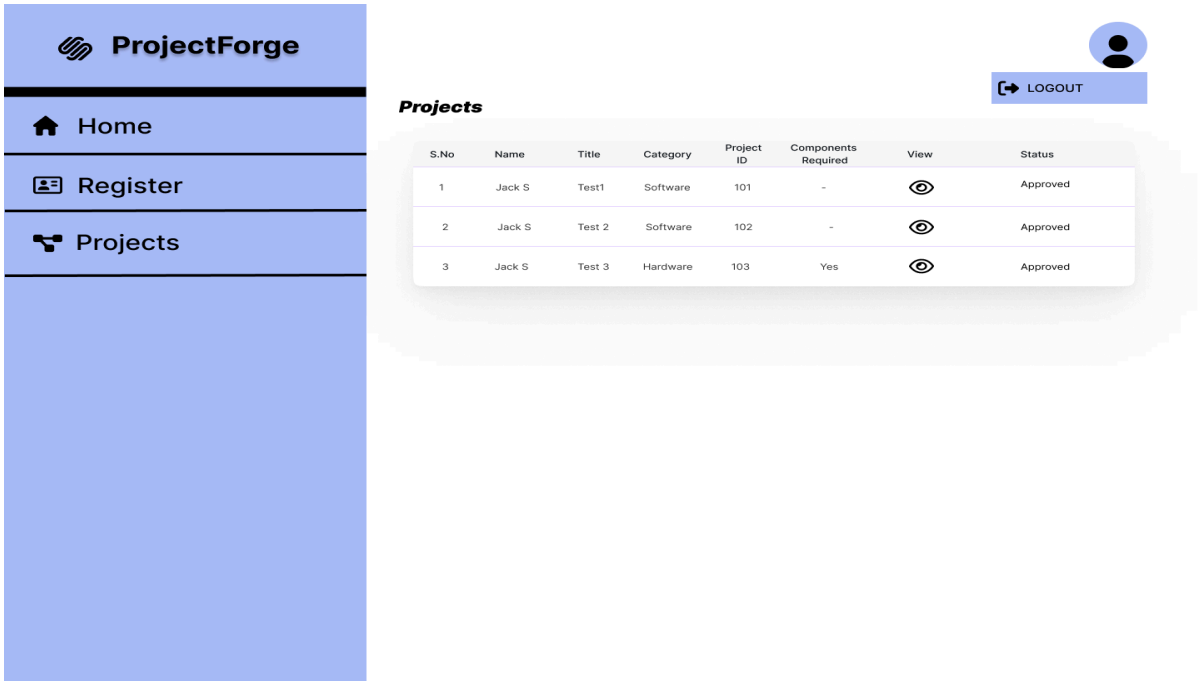
3.Student's View



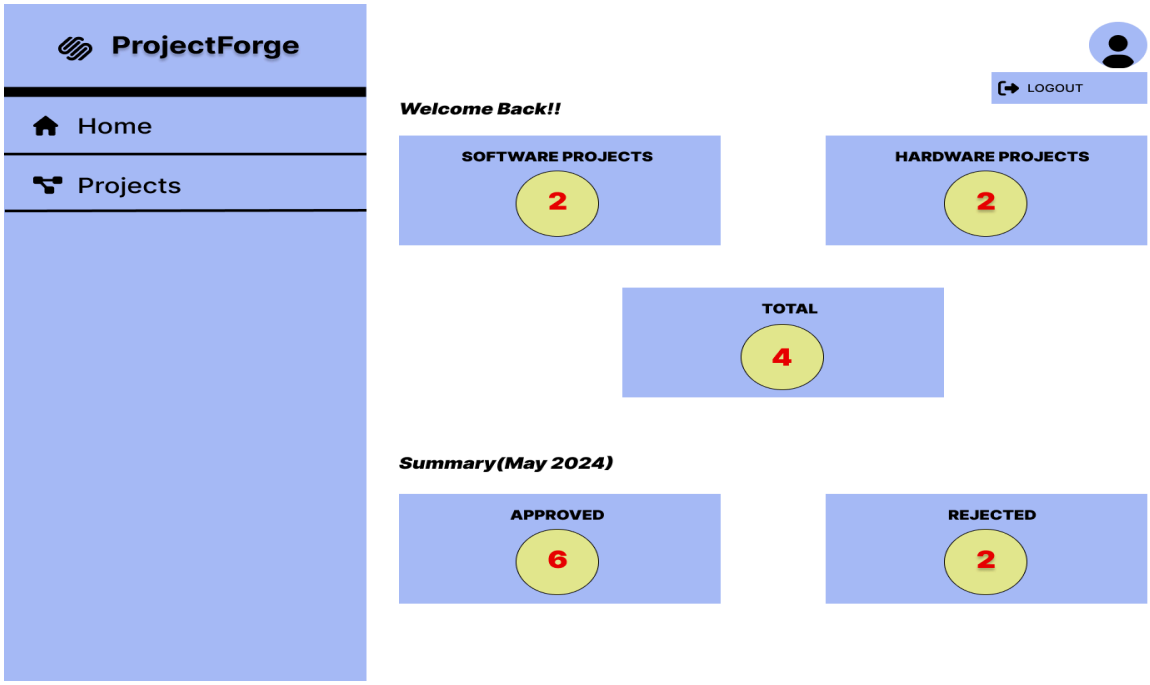
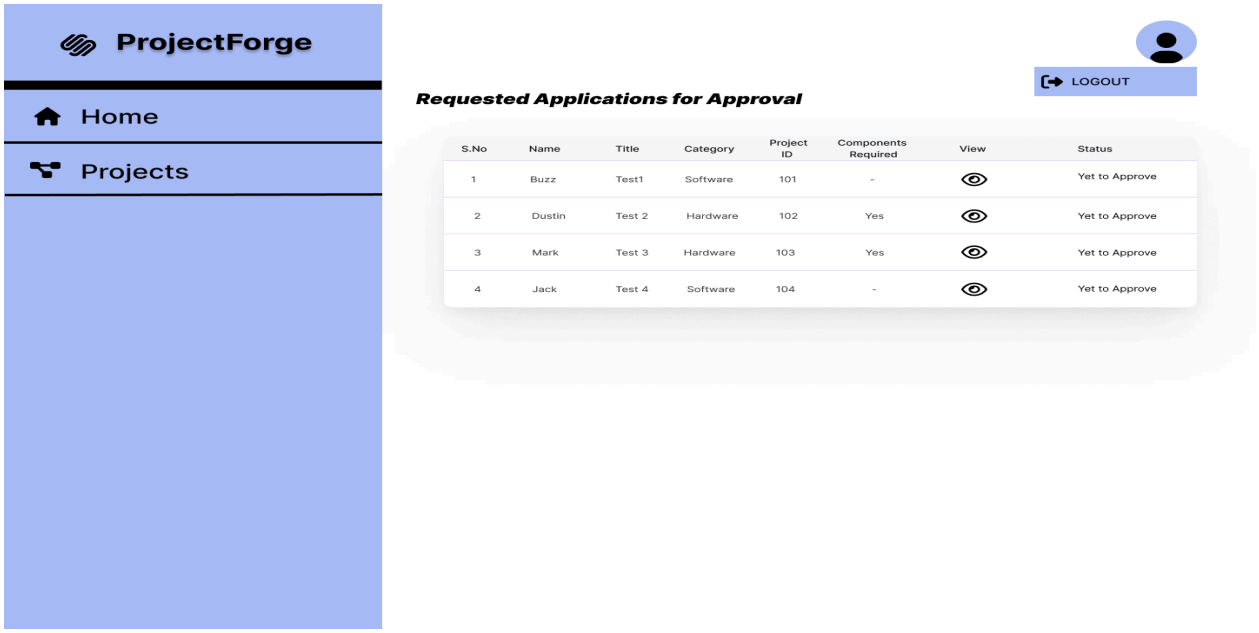
4.Registration Form



5.Project Page



6.Evaluator's View



7.Approval Page