Software Requirements for Product Review and Tracking System

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Seat No:	15
Project ID:	15
Project Title:	Product Review And Tracking System

Technology Stack:

Frotend	html,css,javascript
Backend	Python,Django(Framework)
Database	PostgreSql, MySQL
API	Open API, SOAP API, Restful API

1.Introduction:

1.1 Purpose:

The aim of this document is to provide a comprehensive overview of the Product Review and Tracking System. It will outline the system's purpose, features, interfaces, functionalities,operational constraints , and its responses to external inputs.

1.2 Scope:

This system will function as a website for product review and a tracking system that allows staff to upload the problem statements which students will then register for and complete. From the admin's perspective this website provides a dashboard for product oversight.

Staff will upload the problem statement ,domain , no of required students ,stack,and add industry people details if applicable. Admin needs to verify the uniqueness of the problem statement and approve it. Once approved it will d where they can register (cleared ps level) and

complete the product in 3 stages. At each stage a email is sent to industry people regarding the status of the product.

2.System Overview:

2.1 Users:

1.Staff:

Staff has the Capability to upload the problem statement along with the details like domain, stack, and number of students required.Once uploaded the system will store it as pending verification.

2.Admin:

The admin reviews the problem statement uploaded by the staff. Once approved it becomes visible to the students.

3.Student:

They can view the list of approved problem statements available for registration.
Once registered they can book a slot. Once selected in the interview they will start working on their project.

2.2 Features of the software:

1.Login And Registration:

Staff and students can signin and login to the application.

2.Problem Statement Upload:

Staff will input the information such as problem Statement, Domain, Technology stack, number of students required and industry people if the problem statement belongs to them.

3.Problem Statement Status:

Once the problem statement is uploaded it will be reviewed by the admin . After approval it will be visible on the student dashboard.

4.Student Registration:

Once the problem statement is visible to the student they are able to register if they have cleared the ps level and book a slot.

5.Appointment for Interview:

Once the slot is booked it will notify the staff and they will allocate the interview time .If the students are selected in the interview they will start their project and the problem statement status will be changed to allotted, if not it will be marked as not alloted.

6.Stages of the product:

Once the students are allotted the product . The product workflow is in 3 stages.

Stage 1 is BOM, methodology submission. Stage 2 is Solution to the problem statement and if the product is hardware they should include photos if it is software they should provide a github link. Stage 3- Documentation of the product.At the end of each stage an email is sent to the industry people regarding the status of the product.

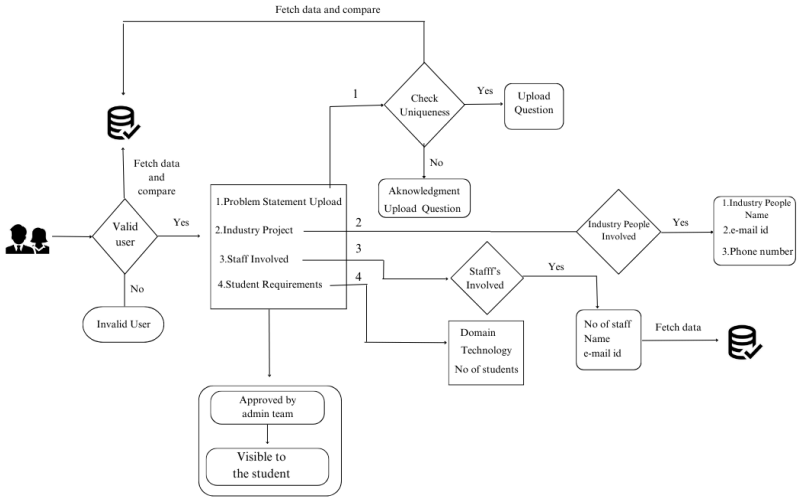
7. Approval for the product:

After the completion of the product it will be verified by the industry people once they approve the product it will be added to the sales page or recognized as an achievement of the students.

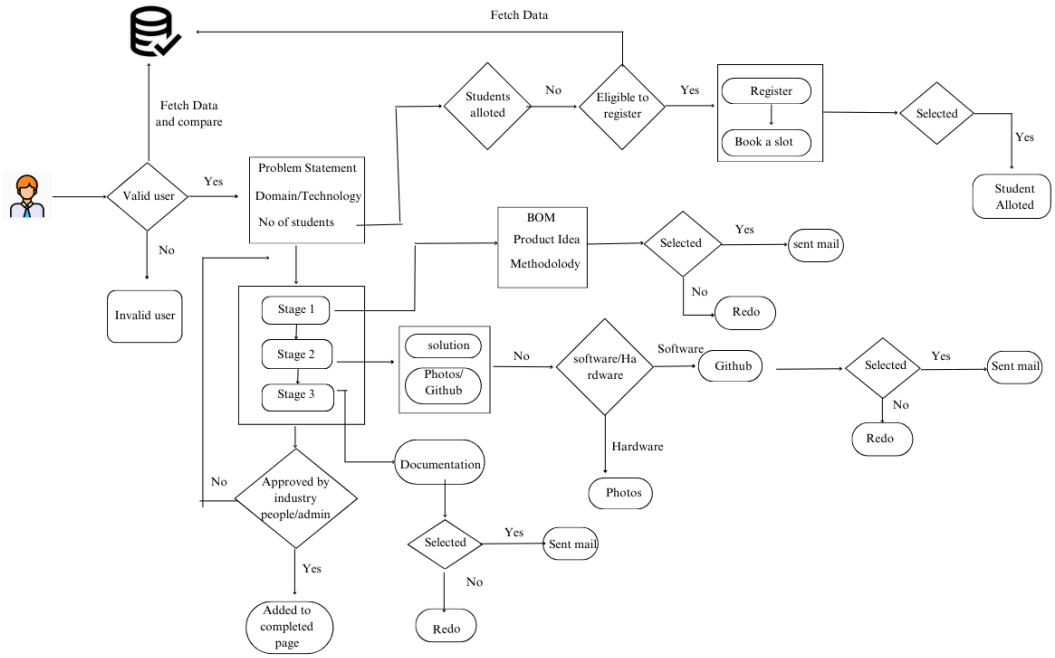
8.Admin Analytical Dashboard:

The admin will maintain a record of completed problem statements (Hardware and Software) , as well as ongoing product.

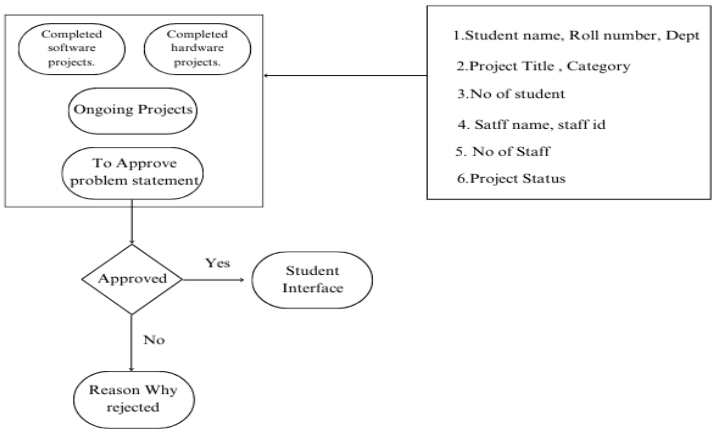
Staff Interface:



Student Interface:



Admin Interface:



3.1 Functional Requirements:

1.User Management:

Students and Staff can register and login.

Admins have access control with an analytical dashboard and features.

2.Problem Statement Upload:

Staff will upload the problem statement including

- no of required students,
- domain,
- technology,
- no of staff collaboration with them and
- industry people if the problem statement is own by them.

3. Problem statement Status:

Once the problem statement is uploaded it will be reviewed by the admin . After approval it will be visible on the student dashboard.

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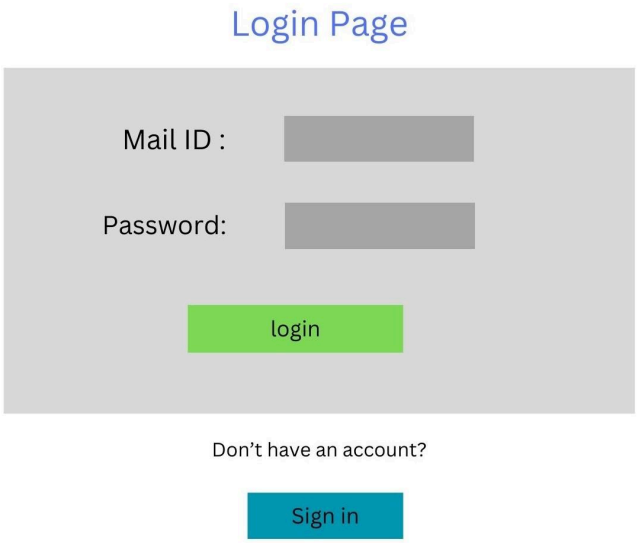
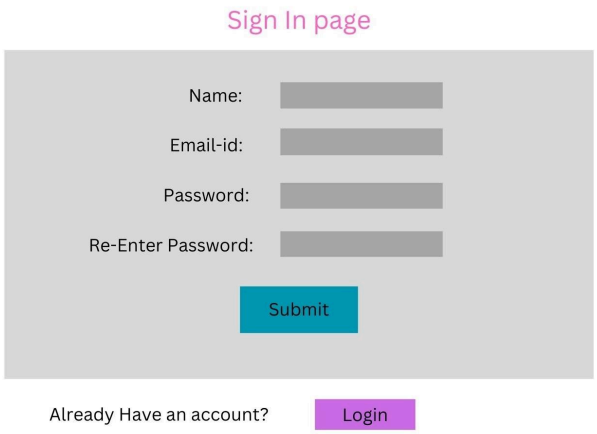
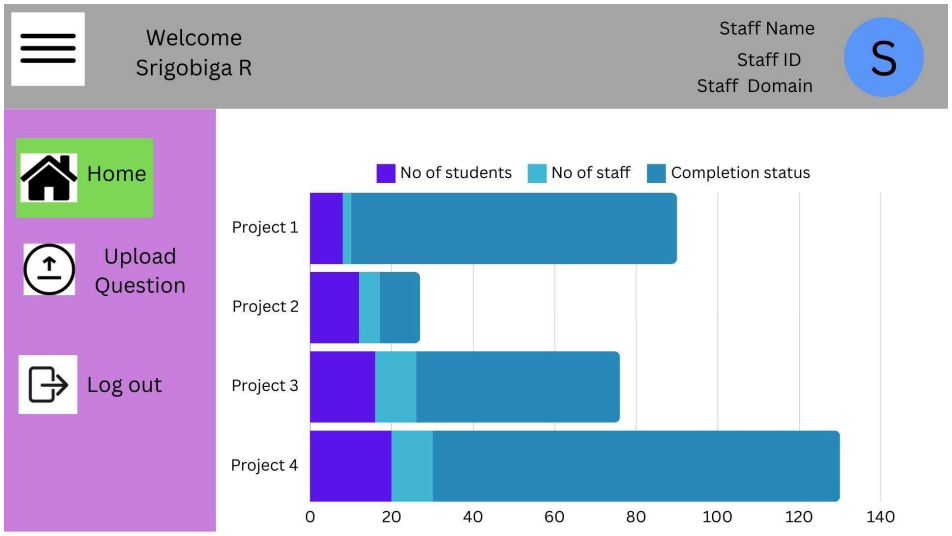
Prototype:

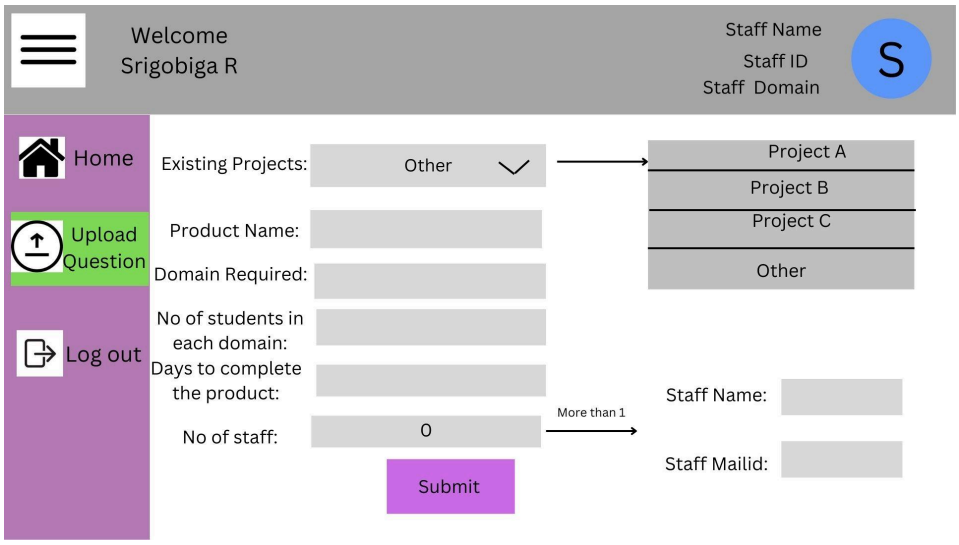
Common Login and Signup for Student and Staff:

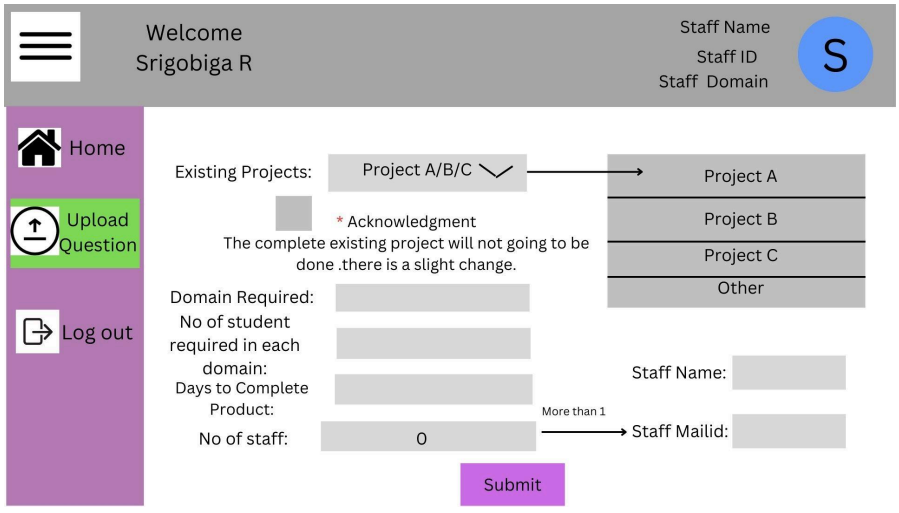




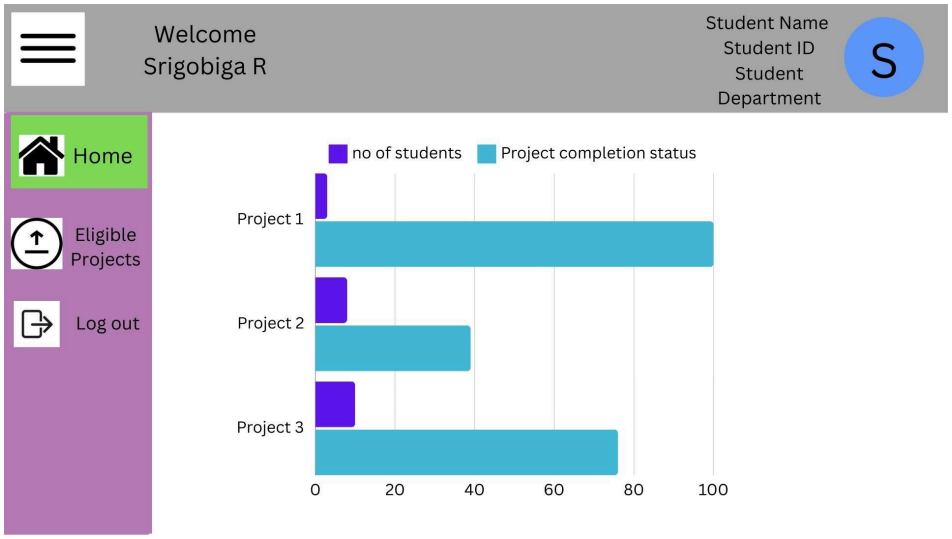
2. Staff View:

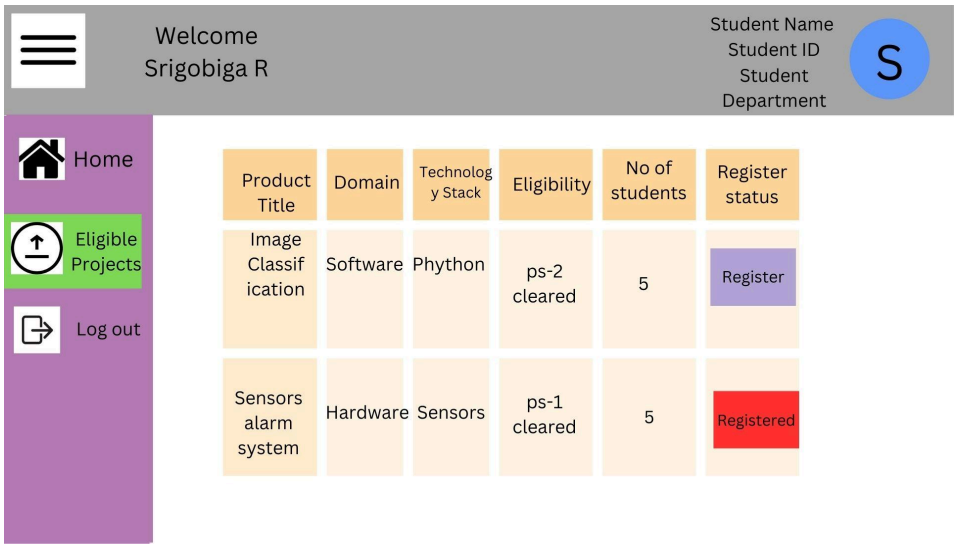

Welcome
Srigobiga R
Staff Name
Staff ID
Staff Domain
S
Home
Upload Question
Log out
No of students
No of staff
Completion status
Project 1
Project 2
Project 3
Project 4
0
20
40
60
80
100
120
140


Welcome
Srigobiga R
Staff Name
Staff ID
Staff Domain
S
Home
Upload Question
Log out
Existing Projects:
Other
Project A
Project B
Project C
Other
Product Name:
Domain Required:
No of students in each domain:
Days to complete the product:
No of staff:
0
More than 1
Staff Name:
Staff Mailid:
Submit


Welcome
Srigobiga R
Staff Name
Staff ID
Staff Domain
S
Home
Upload Question
Log out
Existing Projects:
Project A/B/C
Project A
Project B
Project C
Other
* Acknowledgment
The complete existing project will not going to be done .there is a slight change.
Domain Required:
No of student required in each domain:
Days to Complete Product:
No of staff:
0
More than 1
Staff Name:
Staff Mailid:
Submit

3.Student View:





4. Admins View: