Project Tracking and Management

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Introduction

- The project management system is a system for managing, controlling, and monitoring students' final-year projects.
- It is a mobile application that is useful for students, project coordinators, and project guides.
- The project coordinator is the main aspect of the system which will assign different tasks to the students.

Existing System

- The existing system of project management is manual.
- The project coordinator or guide gives tasks to students manually.
- Student completes the work which is given by the coordinator or guide and submits it manually.
- In this system all work is done manually so it can take more time to complete project-related work.
- The project coordinator or guide requires remembering in mind when the student completed the work so it is difficult for the Project coordinator or guide which student completed the task and when.
- The existing system does not help users get the right information at the right time and cannot manage project development easily to achieve the main goal.

Limitations of Existing System

1. **Management is done Manually**
2. **Files are stored offline**
3. Slow and Time Consuming
4. No Proper Documentation

OBJECTIVE

- To make a more efficient and effective Project Management System than the existing one.
- To reduce the time consumed when done manually.
- To have easy access to the project library.

Proposed System

- In this proposed system we can implement a system that can manage project, connect all work completed by a student and Project coordinator or guide.
- The coordinator updates project, connects information, views work done by a student , and views the progress of work done by the student.
- Students can save the files based on their reviews. It will use for future students to reference the projects.

System Specifications

Hardware Requirements

- Processor: Core 2 Duo at 2.0GHz
- RAM : 1GB DDR2 RAM [Minimum]
- Monitor: Any Colour
- Keyboard: Standard Keyboard (120 keys)
- Hard disk: 500GB [Minimum]
- Storage: 20 MB
- Network speed: 1 MBPS

Software Requirements

- Coding Language : Java, Dart, MySQL, PHP
- Tool Kit : Android SDK
- IDE : Android Studio / Visual Studio
- Operating System : Windows / Linux

MODULES

1. ADMIN
2. Project Coordinator
3. Project Group
4. Students

ADMIN

- Admin can access the application by logging in.
- They have all access to the application.
- Admin can view the details of the project and manage the coordinators.

Project Coordinator

- Coordinators will add the groups and manage the groups.
- The co-ordinator will be conducting the reviews and based on the reviews by students they will provide feedback.
- Also notifies the students of the dates of project related works.

Project Group

- This module will provide the name of their projects.
- The files uploaded for the reviews and also view their review schedules.
- Groups can Upload their projects.
- They can view the feedback on their projects

Students

- The student module will register the application and log in the project to view the project and download the project.

Table Structure

Table 1:

Table name: Login table

Primary key: Login_id

FIELD	TYPE	LENGTH	DESCRIPTION
Login_id	Int	10	Primary key of Login table
Username	Varchar	50	Username of Login table
type	Int	10	Type of login
Password	Varchar	50	Password of Login table

Table 2:

Table name: Register table

Primary key:Reg_id

Foreign key:Login_id

FIELD	TYPE	LENGTH	DESCRIPTION
Reg_id	Int	10	Primary key of Register table
Login_id	Int	10	Foreign key of Register table
Username	Varchar	50	Username of Register table
Name	Varchar	50	Name of Register table
Password	Varchar	50	Password of Register table
Address	Varchar	50	Address of Register table
Email	Varchar	50	Email of Register table
Phone no	Int	10	Phone no of Register table

Table Structure

Table 3:

Table name: department table

Primary key:dep_id

FIELD	TYPE	LENGTH	DESCRIPTION
dep_id	Int	10	Primary key of department table
Dep_name	Varchar	50	Name of department table

Table 4:

Table name: group table

Primary key:groupt_id

Foreign key:dep_id

FIELD	TYPE	LENGTH	DESCRIPTION
group_name	varchar	50	Name of project
group_id	Int	10	Primary key of group table
Group_details	varchar	50	Details of groups
dep_id	Int	10	Primary key of department table

Table Structure

Table 5:

Table name: Project table

Primary key:group_id

Foreign key:dep_id

FIELD	TYPE	LENGTH	DESCRIPTION
Project_name	varchar	50	name of project
Project_file	file	bites	File of project
group_name	varchar	50	Name of group
topic	varchar	50	Details of project
about	varchar	50	about the project
date	Int	10	Date of project

Table 6:

Table name: schedule table

Primary key: schedule _id

FIELD	TYPE	LENGTH	DESCRIPTION
schedule _id	Int	10	name of project
note	varchar	50	Details of submission
group_id	Int	10	id of group
topic	varchar	50	Details of project
date	Int	10	Date of project

Table Structure

Table 7:

Table name : feedback table

Primary key: Login_id

FIELD	TYPE	LENGTH	DESCRIPTION
Feedback_id	Int	10	Primary key of feedback table
Student_id	int	10	id of user table
feedback	Varchar	50	feedback of feedback table

Table 8:

Table name : notification table

Primary key: Login_id

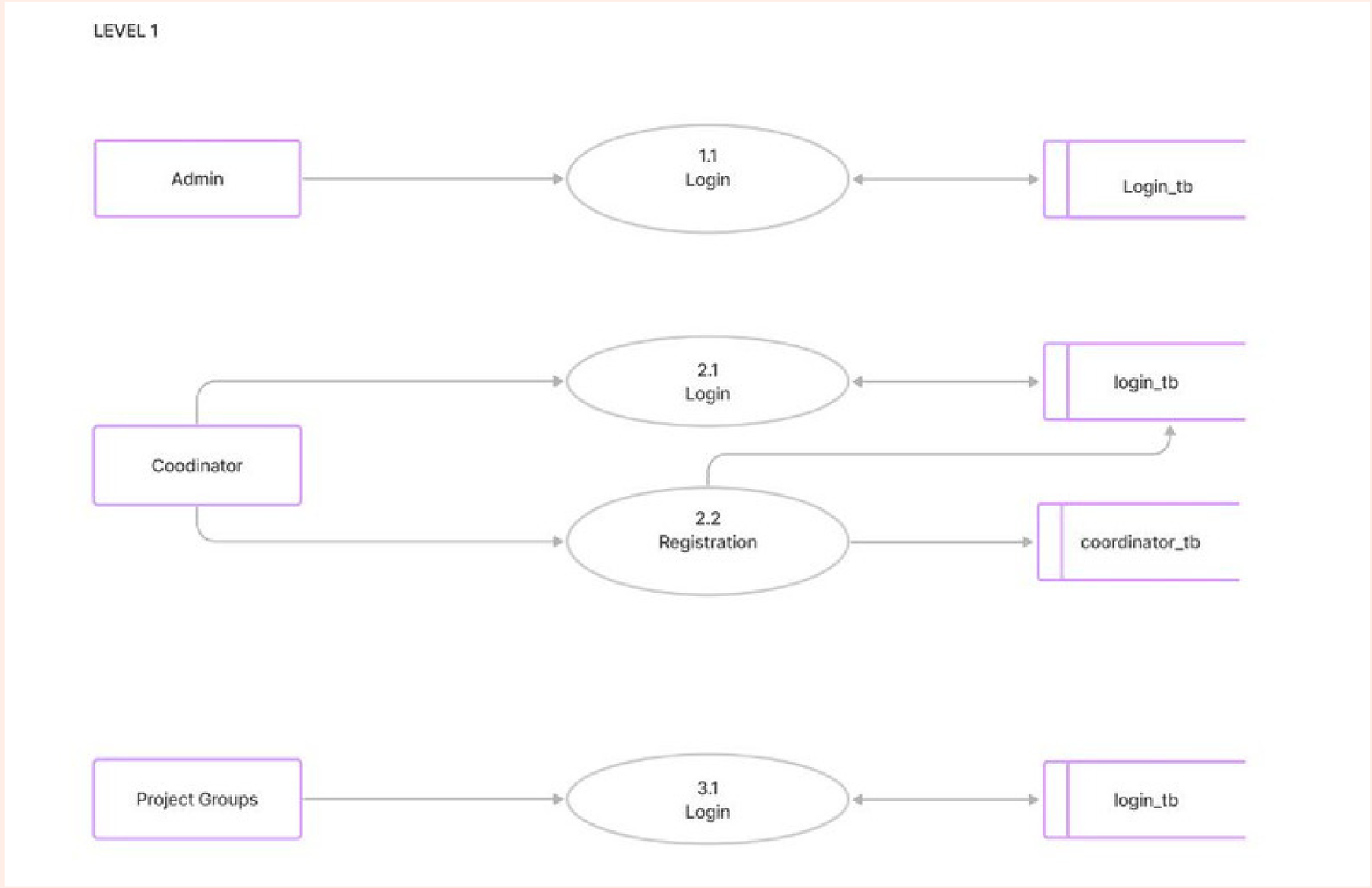
FIELD	TYPE	LENGTH	DESCRIPTION
notification_id	Int	10	Primary key of notification table
title	Varchar	50	Title of notification table
content	Varchar	50	content of notification table

Data Flow Diagram

LEVEL 0

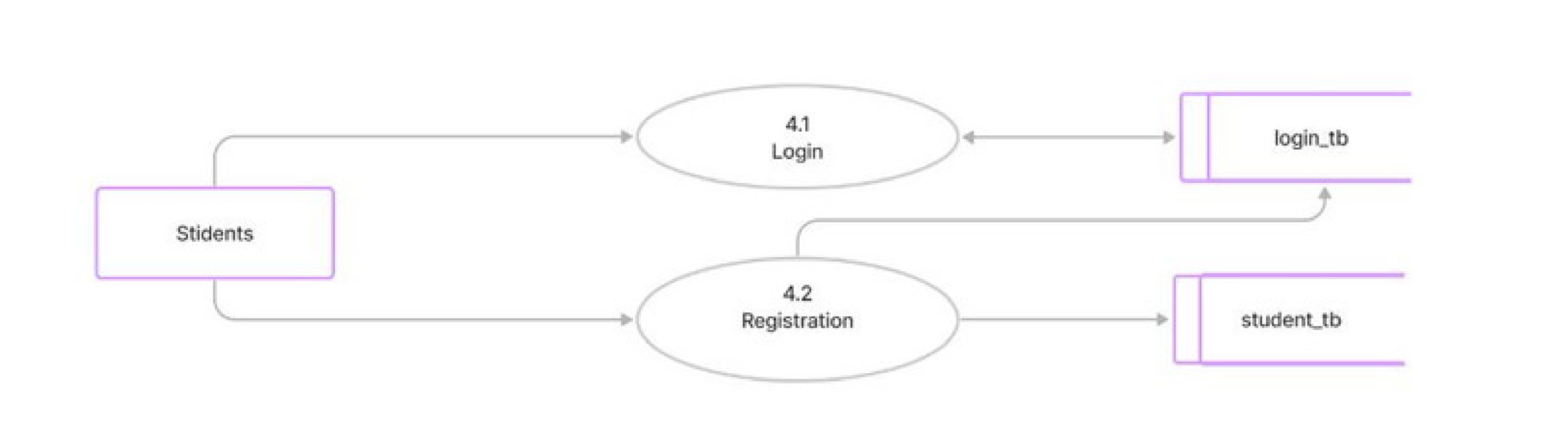
Data Flow Diagram

LEVEL 1



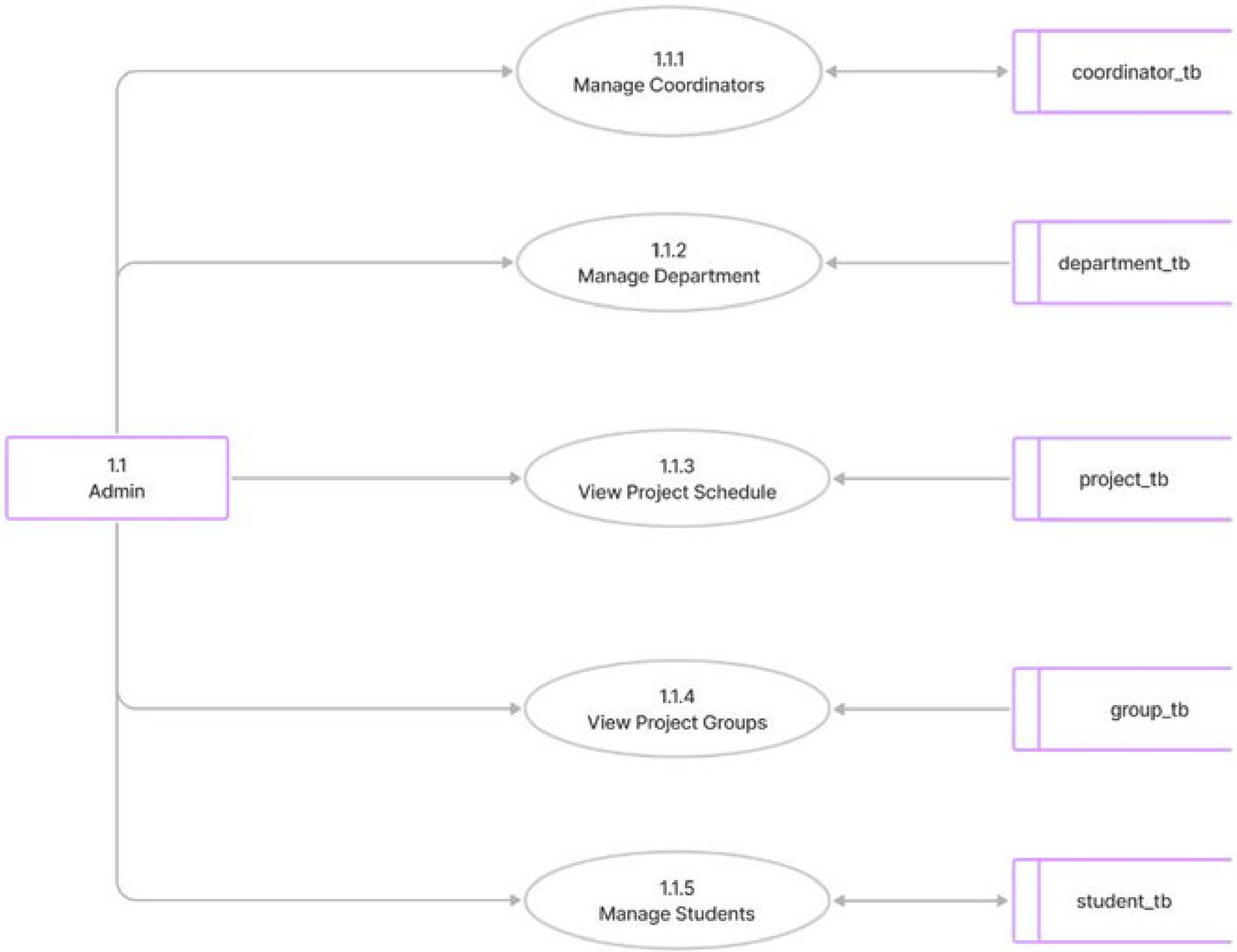
Data Flow Diagram

LEVEL 1



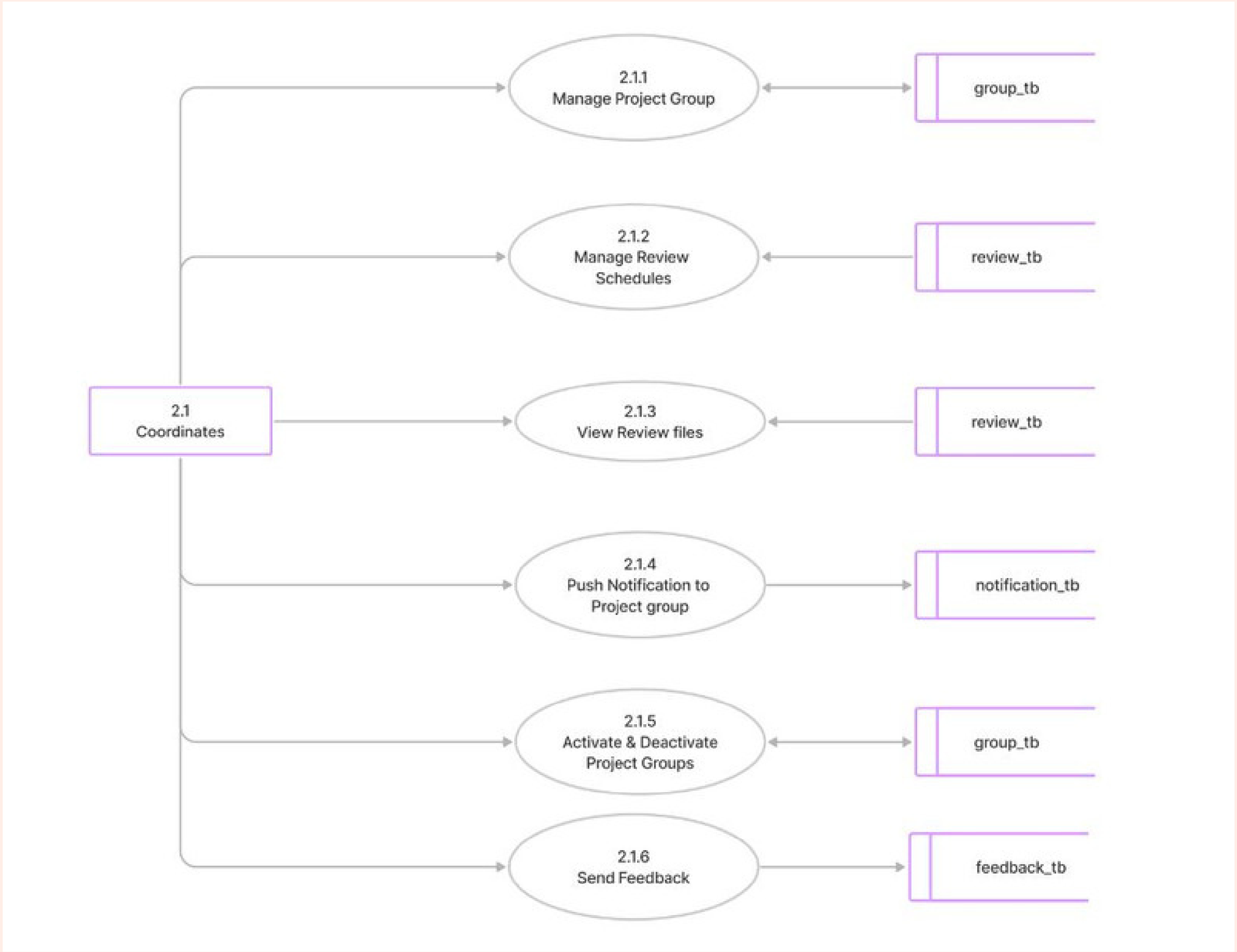
Data Flow Diagram

LEVEL 2



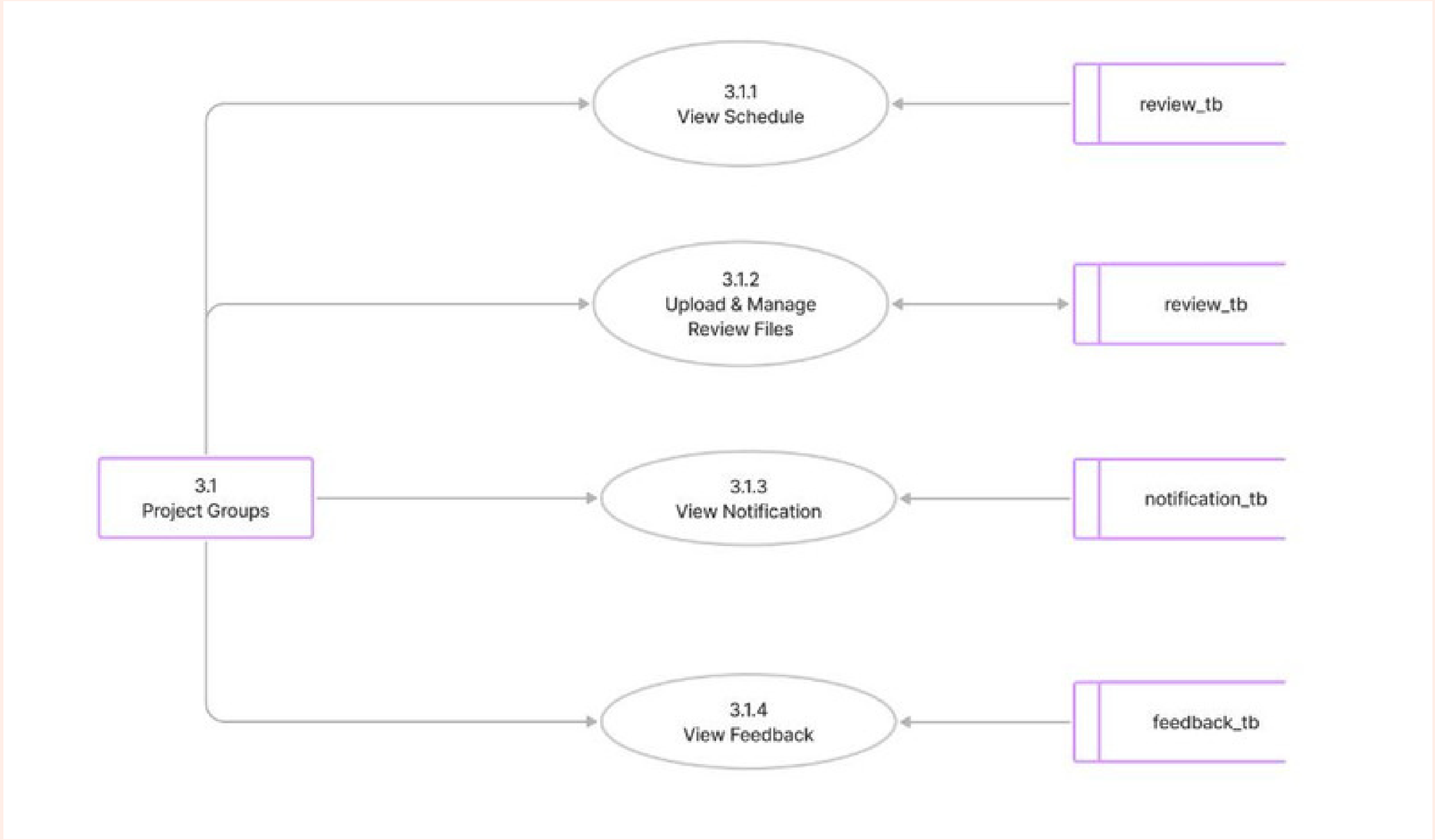
Data Flow Diagram

LEVEL 2



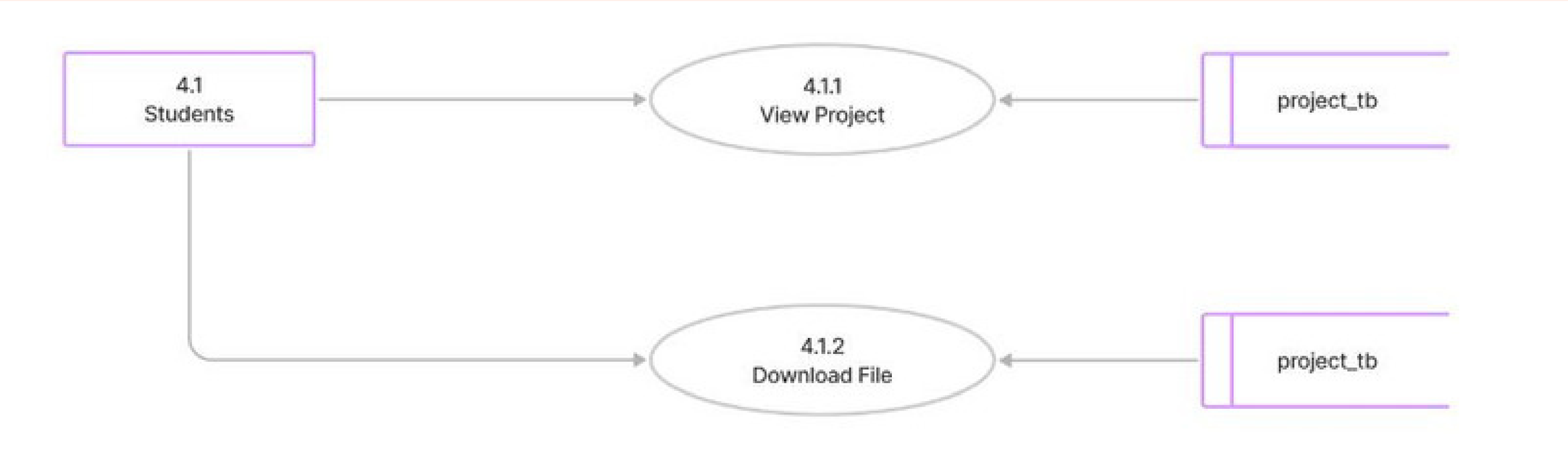
Data Flow Diagram

LEVEL 2



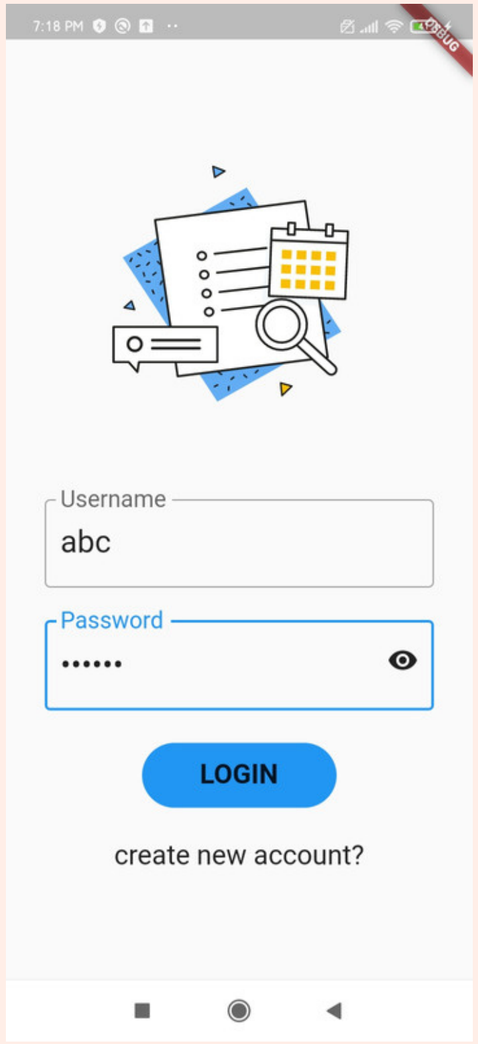
Data Flow Diagram

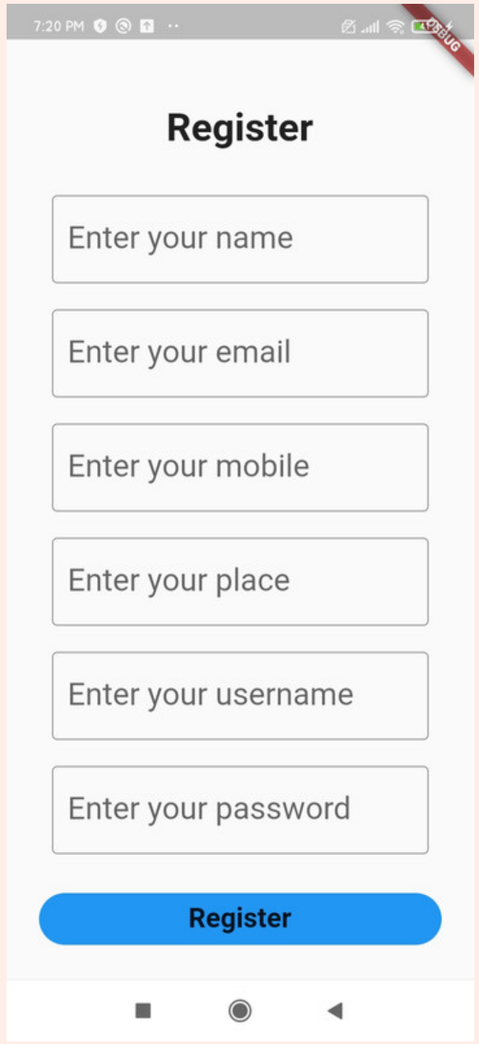
LEVEL 2

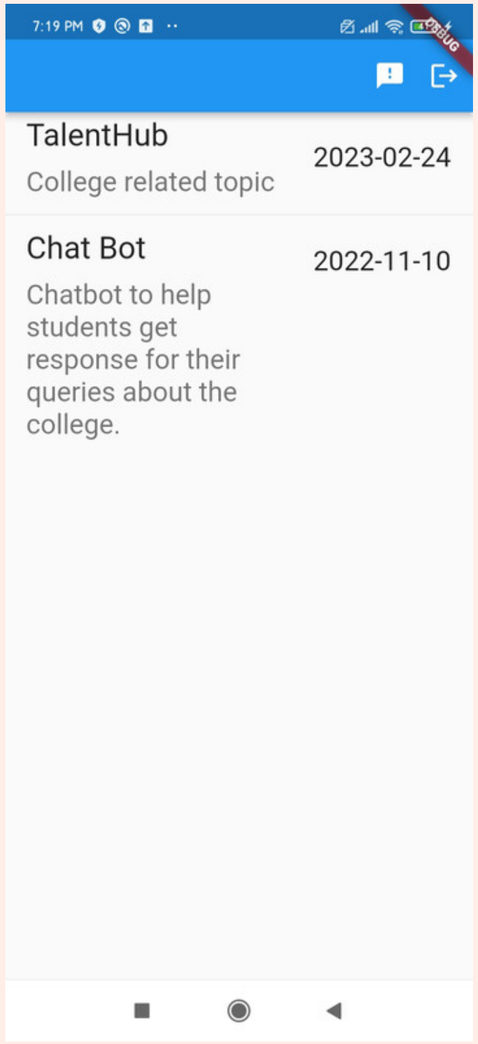


Screenshots

Student

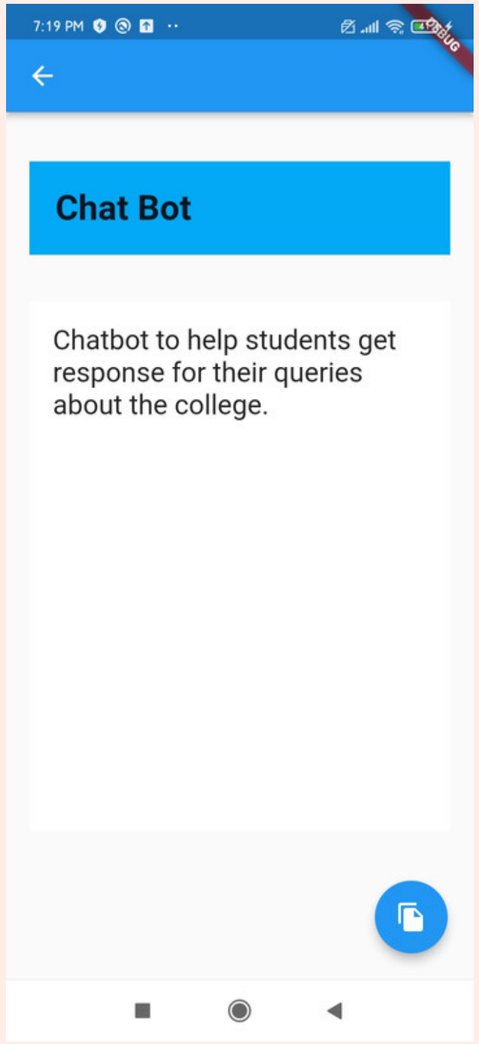






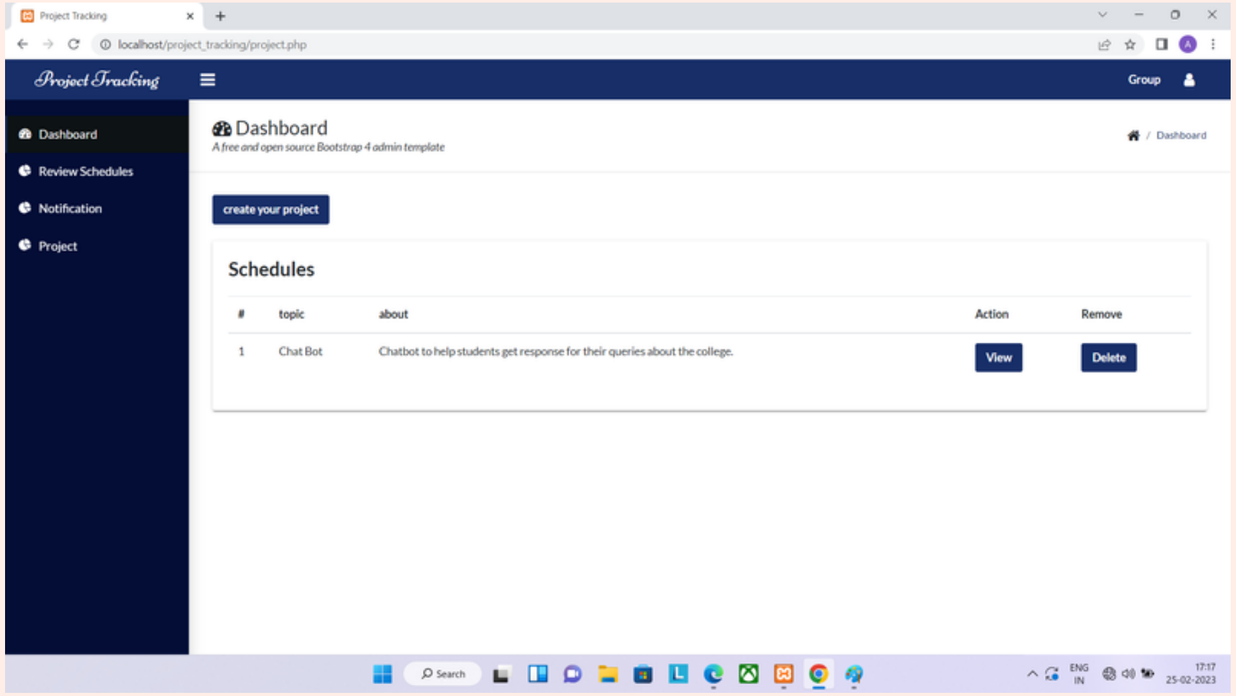
Screenshots

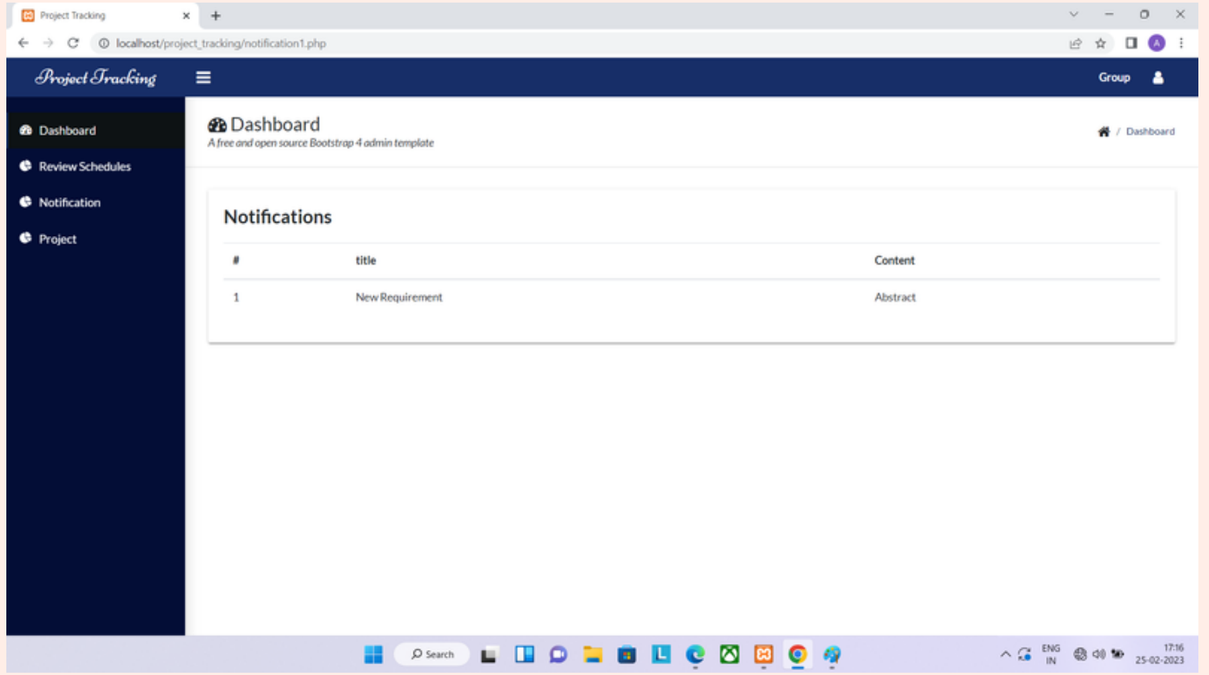
Student



Screenshots

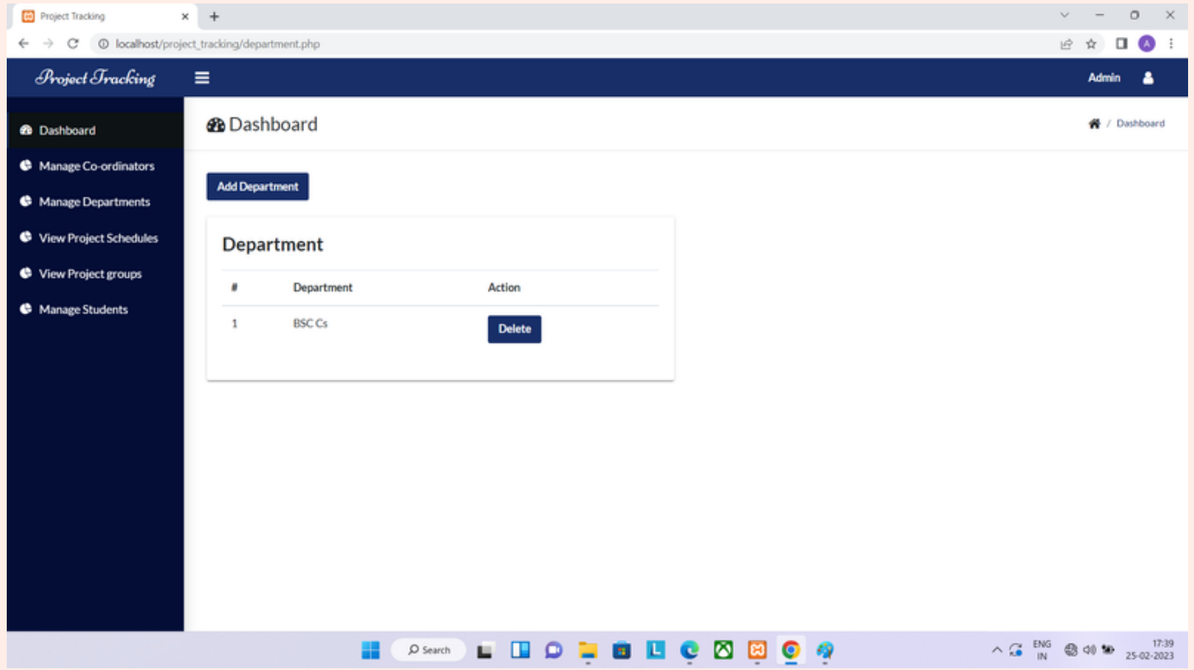
Groups

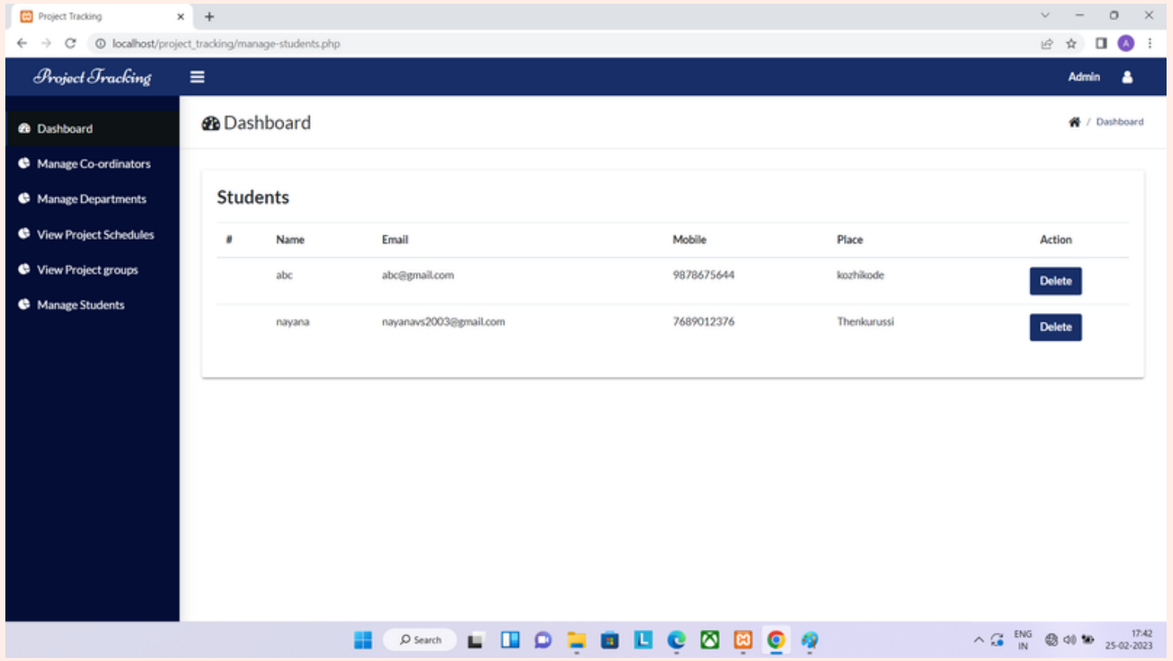




Screenshots

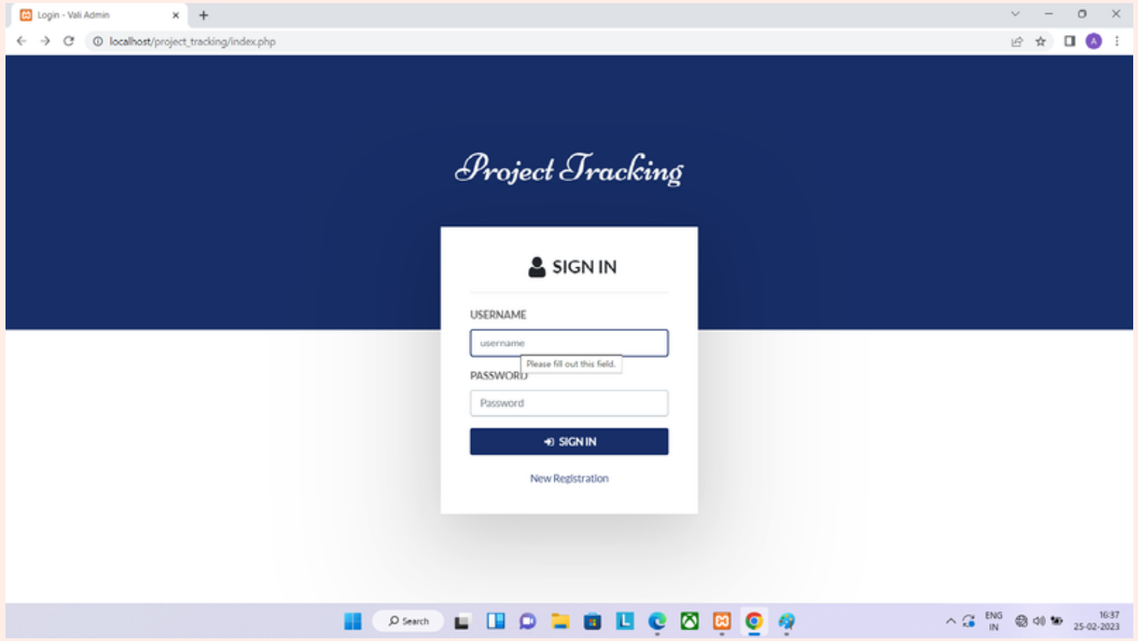
ADMIN

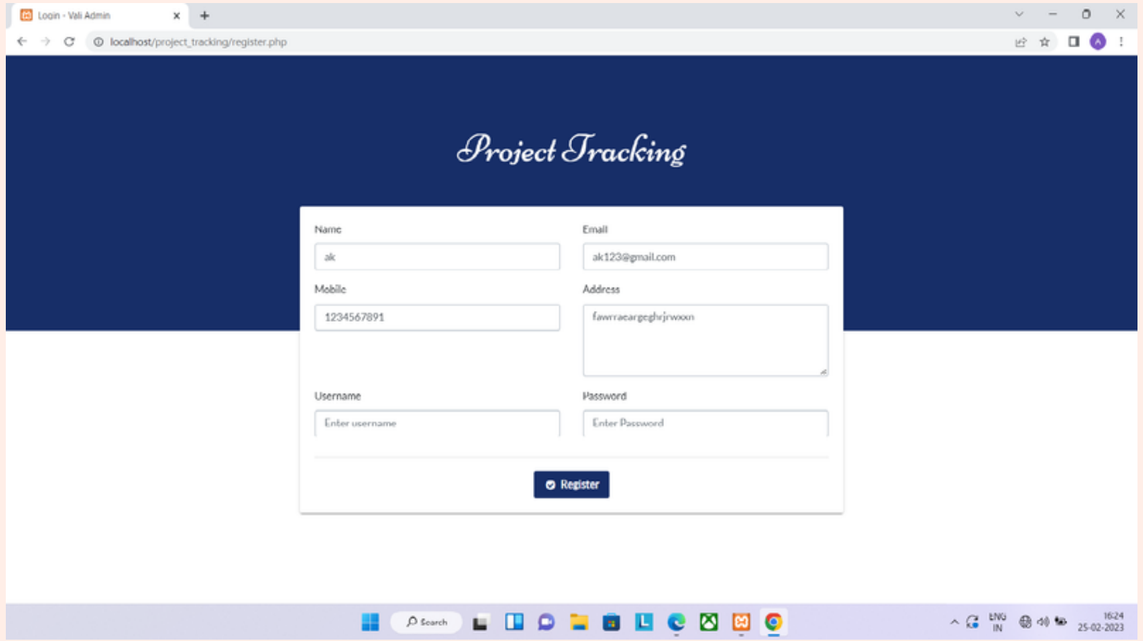




Screenshots

Web Login and Registration





Future Enhancement

- Can make the system available on a larger scale.
- Connection to a Remote Server instead of a Local Server
- Include Uploading PowerPoint presentations and pdfs.
- Convert Group module from web to mobile app.

Conclusion

- In conclusion, the project tracking and management system implemented in this project has proven to be a valuable tool for organizing and managing projects effectively.
- The system provides a centralized platform for tracking project progress, identifying potential roadblocks, and allocating resources efficiently.
- Through its user-friendly interface and customizable features, it has streamlined the project management process and improved communication among team members.
- Overall, the project tracking and management system has helped to increase project efficiency, and improve collaboration among team members.
- We anticipate that it will continue to be a valuable tool for managing projects in the future.

That's a wrap!

Thank you.