



BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade
Sathyamangalam - 638401 Erode District, Tamil Nadu, India

Student Name: Chintha bhanuteja

Seat No: 420

Project ID: 02

Project title: Create and track project with
collaborator

Technical Components

Component Tech Stack

Backend – PHP(Laravel framework)

Frontend – Html,Css

Database – MySQL

API RESTful services

Implementation Timeline :

Deadline	Status	Phase
03/06/2024	Completed	Stage1
	Not started	Stage2
	Not started	Stage3
	Not started	Stage4
	Not started	Stage5

Phase Notes :

Stage 1 – Planning and Requirement gathering

Stage 2 – Design and Prototyping

Stage 3 – DB Designing

Stage 4 – Backend Implementation

Stage 5 – Testing & Implementation

PROBLEM STATEMENT:

The decentralized nature of project management and collaboration within organizations leads to several challenges, including:

- **Inconsistent Task Management:** Different team members use various tools and methods to track tasks, leading to duplication of effort and inconsistent tracking.
- **Schedule Conflicts:** Team members receive multiple updates and meeting invitations with overlapping schedules, leading to confusion and missed deadlines.
- **Fragmented Communication:** Important project updates and discussions get lost in the volume of messages and emails, making it difficult for team members to stay informed and aligned.
- **Administrative Burden:** Managing project tasks, resolving conflicts, and ensuring timely communication impose a significant administrative burden on project managers and team leads.

PROJECT-FLOW:

Purpose:

To develop a centralized project management system that efficiently handles task assignment, scheduling, and collaboration, addressing existing issues of task management inconsistencies and communication gaps.

Scope:

This system includes user authentication, project and task management, conflict checks, and a real-time dashboard for viewing and managing project progress. It integrates with existing communication tools to ensure effective and conflict-free collaboration.

Business Context:

The centralized project management system aims to enhance project coordination and efficiency across the organization, thereby minimizing scheduling conflicts and improving communication clarity. Primary stakeholders include team members, project managers, administrative staff, and the IT department.

Consideration:

- All users possess active Google accounts for authentication.
- Users have regular access to internet-enabled devices.

Dependencies:

- Integration with Google OAuth for user authentication.
- Consistent performance and availability of the existing communication tools.

User personas:

- **Student:** Individuals who require project deadline management, task tracking, and effective communication within the system.
- **Faculty:** Responsible for overseeing projects, assigning tasks, and tracking progress using the system.
- **Admin Staff:** Responsible for maintaining the system, managing user accounts, and ensuring data security through the system.

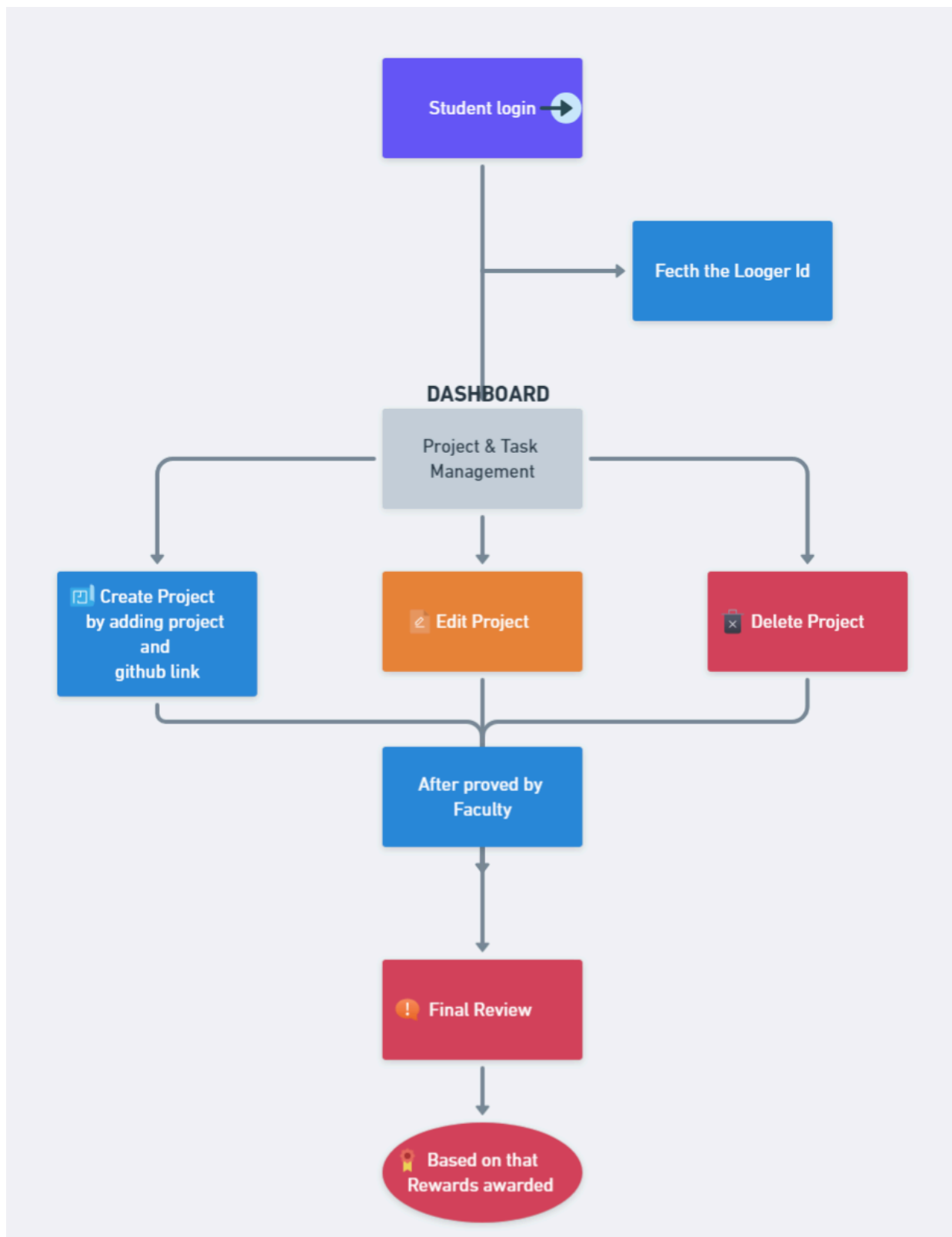
User Stories:

- As a student, I need project deadline management, task tracking, and effective communication within the system, so that I can stay organized and contribute effectively to project goals.
- As a project staff member, I want to oversee projects effectively, assign tasks to team members, and track progress using the system, so that I can ensure projects stay on track and meet deadlines.
- As an administrator, I want to maintain the system, manage user accounts, and ensure data security through the system, so that I can keep the system running smoothly and protect user data.

Functional Requirements:

- **User Authentication:** Secure login using Google OAuth.
- **Project Creation:** When creating a project, users should provide essential details such as project name, description, start date, end date, and objectives.
- **Collaborator Management****Collaborator Management:** Automatic detection of scheduling conflicts with options for adjustment.
- **Dynamic Dashboard:** Real-time schedule viewing and interaction.
- **Priority Algorithm:** Automated prioritization of communications based on rules.

OUTLINE Flowchart:



FEATURES FLOWCHART:

