Project Management

A Project Report Submitted

in Partial Fulfillment of the Requirement

for the Degree in Master of Computer Applications
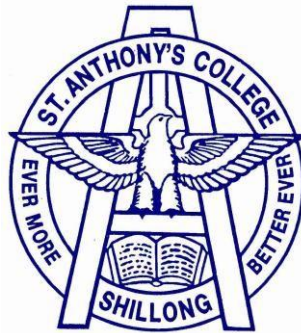
Undertaken at

IEWDUH TECHZ PRIVATE LIMITED

By

Sahil Subba, University

Roll No. 22STAMCA021

Department of Computer Science

St. Anthony's College

Shillong

Month of Submission, Year

Ref No. ITPL/LTR/INT/2023-24/015   DATE: 03 /01/2024

To,

Sahil Subba

St. Anthony's College

Subject: **Confirmation of Internship for 6 months**

Dear Sahil Subba,

Congratulation, we are pleased to inform you that you have been selected to join for the internship on software development at Iewduh Techz Private Limited. We are excited to have you join our team and contribute your talents to our organization. Your internship will start from 3rd January 2024 to 3rd July 2024.

The working hours for your internship will be from Monday to Friday **9:00 a.m. to 6:00 p.m.** including 45 Minutes Lunch Break and 30 minutes Tea breaks.

We believe that your time with us will be both personally and professionally rewarding. Your enthusiasm and skills make you a valuable addition to Iewduh Techz Private Limited.

Welcome abroad, and we are looking forward to a successful and fulfilling internship journey together.
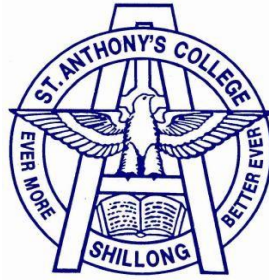
Regards,

Omprakash Yadav

Director

Iewduh Techz Private Limited   www.techz.in

Department of Computer Science
St. Anthony"s College, Shillong
Affiliated to
North Eastern Hill University, Shillong
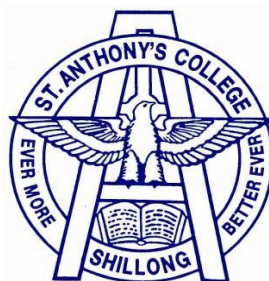
<u>CERTIFICATE</u>

This is to certify that the project report entitled "*Project Management*" is an approved work done by **Mr Sahil Subba** (22STAMCA021) in the partial fulfillment of the requirement for the award of the degree of Master of Computer Application under North Eastern Hill University, Shillong from St. Anthony's College, Shillong.

Signature
Fr. Joby Joseph
Vice Principal
St. Anthony"s College
Shillong – 793001
Meghalaya

Signature
Dr. Anjan Das
Director, MCA
St. Anthony"s College
Shillong – 793001
Meghalaya

Department of Computer Science
St. Anthony"s College, Shillong
Affiliated to
North Eastern Hill University, Shillong

<u>CERTIFICATE</u>

This is to certify that the Project work titled **Project Managment**' bonafide work done by *Mr Sahil Subba, North Eastern Hill University, SACMCA021* under my guidance during the fourth semester of the course.

Signature

Internal Guide

Prof. L a m e u l

Project seminar was held on Date Month, Year at

St. Anthony's College, Shillong

Date: External Examiner

<u>ACKNOWLEDGEMENT</u>

Table of Contents (Database Project)

About the Project

ProManagement is a complete system for managing projects that helps teams work better and makes project processes smoother in startups. It's a single place where team members working on a project can go to manage tasks easily, keep an eye on how the project is doing, and make updates when needed.

It consist of 2 modules:

Admin : it will manage project (adding, updating, deleting)

Staff: Staff will update the status task and see the projects and module they belong to.

Synopsis

- Title: Project Management

- Project Developer: Sahil Subba

- Proposed Development Environment: HTML, CSS, JAVASCRIPT, PHP

- Framework: JQUERY

Description

Project Management is an all-in-one project management system designed to enhance collaboration and streamline project workflows for startups. It serves as a central hub where project teams can effortlessly manage tasks, monitor project progress, and make necessary updates, all in one convenient location.

Existing system

- **Manual and Time-Consuming**(Using pen and paper for project management)

- **Limited Accessibility** (Project information stored on paper is not easily accessible to all team members)

- **Lack of Real-Time Updates**(Changes to project details, team assignments, or task statuses are not instantly reflected)

- **Poor Task Tracking:** Tracking task progress and deadlines manually using pen and paper is challenging

Proposed System

- **Project Management**
    - Adding a New Project
    - Updating Project Details
- **Team Collaboration**
    - Adding Team Members
    - Updating Team Members
- **Task Management**
    - Adding a New Task
    - Updating Tasks
    - Tracking Task Status
- **Tracking the Meetings**

User Requirements

Software Requirements

• Running Environment: Windows Mac Linux

• Developing Environment: HTML, CSS, JAVASCRIPT, BOOTSTRAP5, APACHE SERVER

Hardware Requirements

RAM: Min(2gb), Recommended(8gb)

ROM: Min(128gb), Recommended(256gb)

OS: Windows 10 or Linux or Mac

Feasibility Study

- **Technical Feasibility:**

- Utilizes readily available web development tools and database management systems.

- Development team possesses necessary skills for successful implementation.

- Designed for seamless integration with existing productivity tools and platforms.

- **Economic Feasibility:**

- Requires no funds.

- Expected benefits include increased productivity and mproved project coordination.

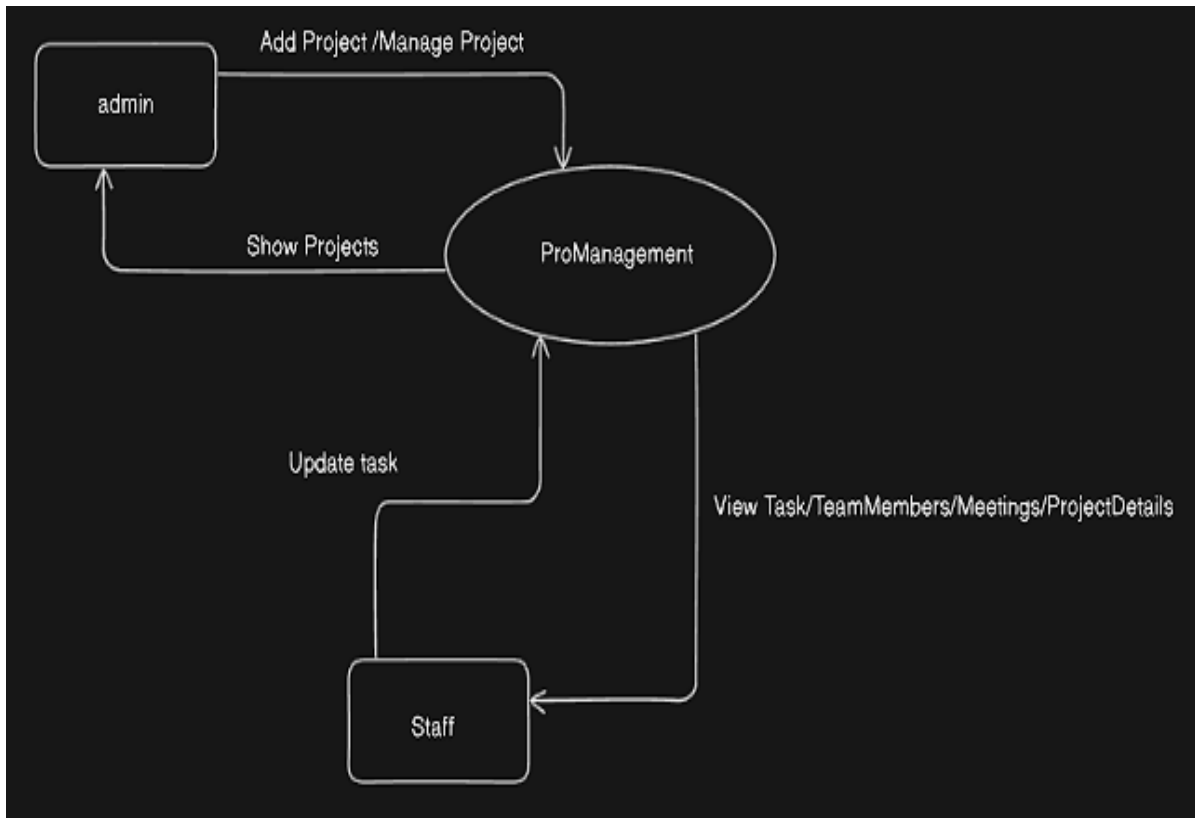- Long-term gains in organizational effectiveness outweigh development costs.

Operational Feasibility:

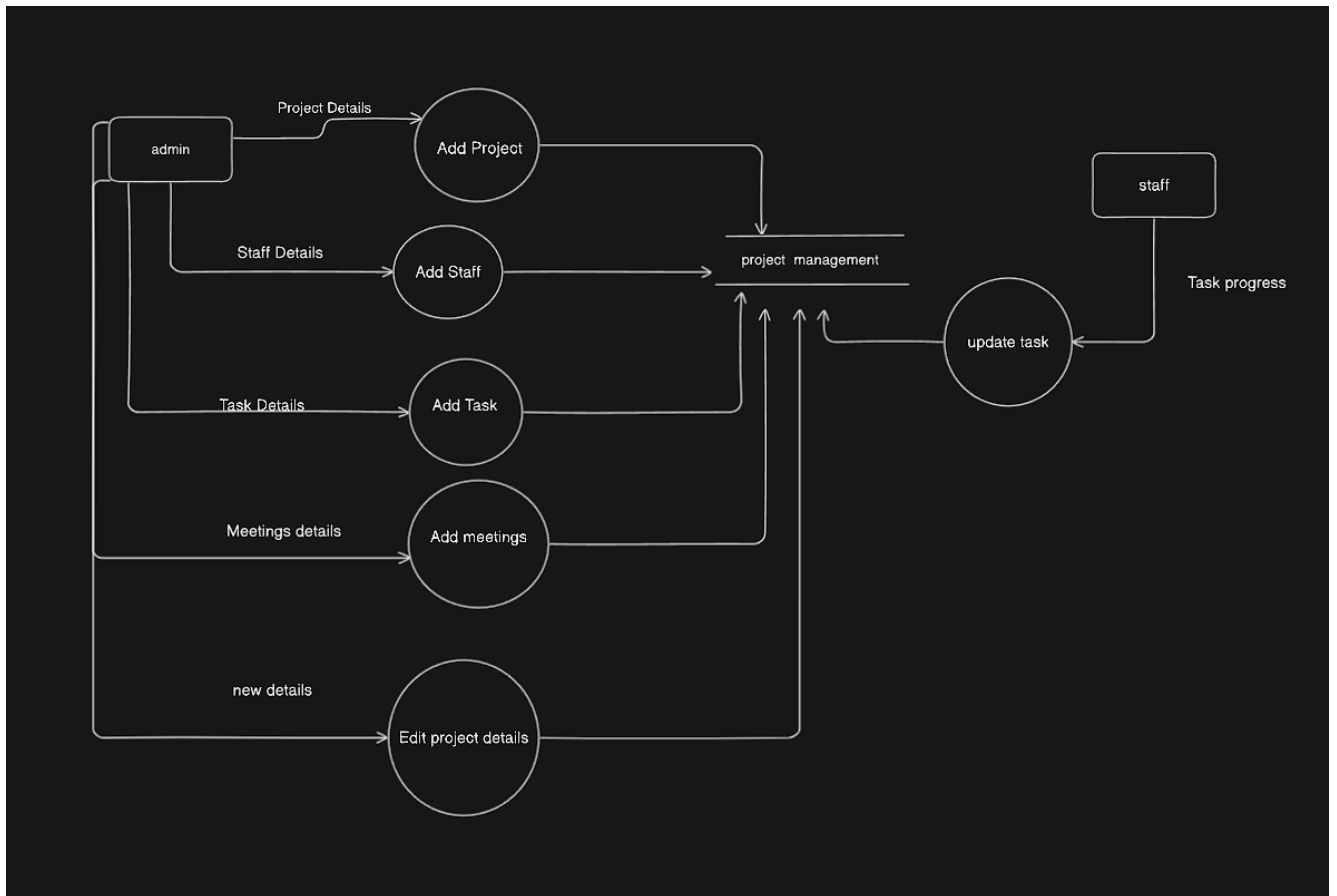- Minimal training required due to intuitive user interface.

- **Schedule Feasibility:**

- Key milestones and deadlines identified for effective project management.

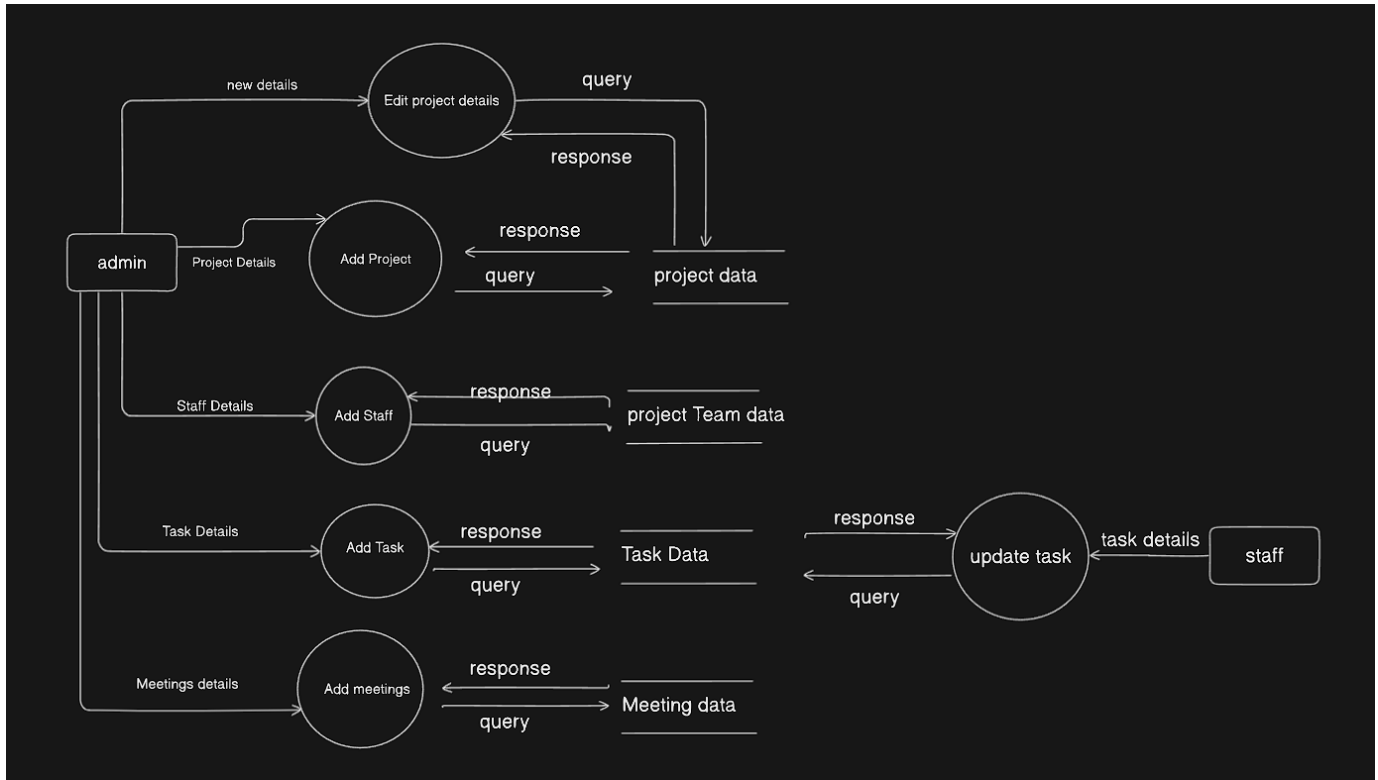- Adequate resources allocated to support project within specified timeframe.
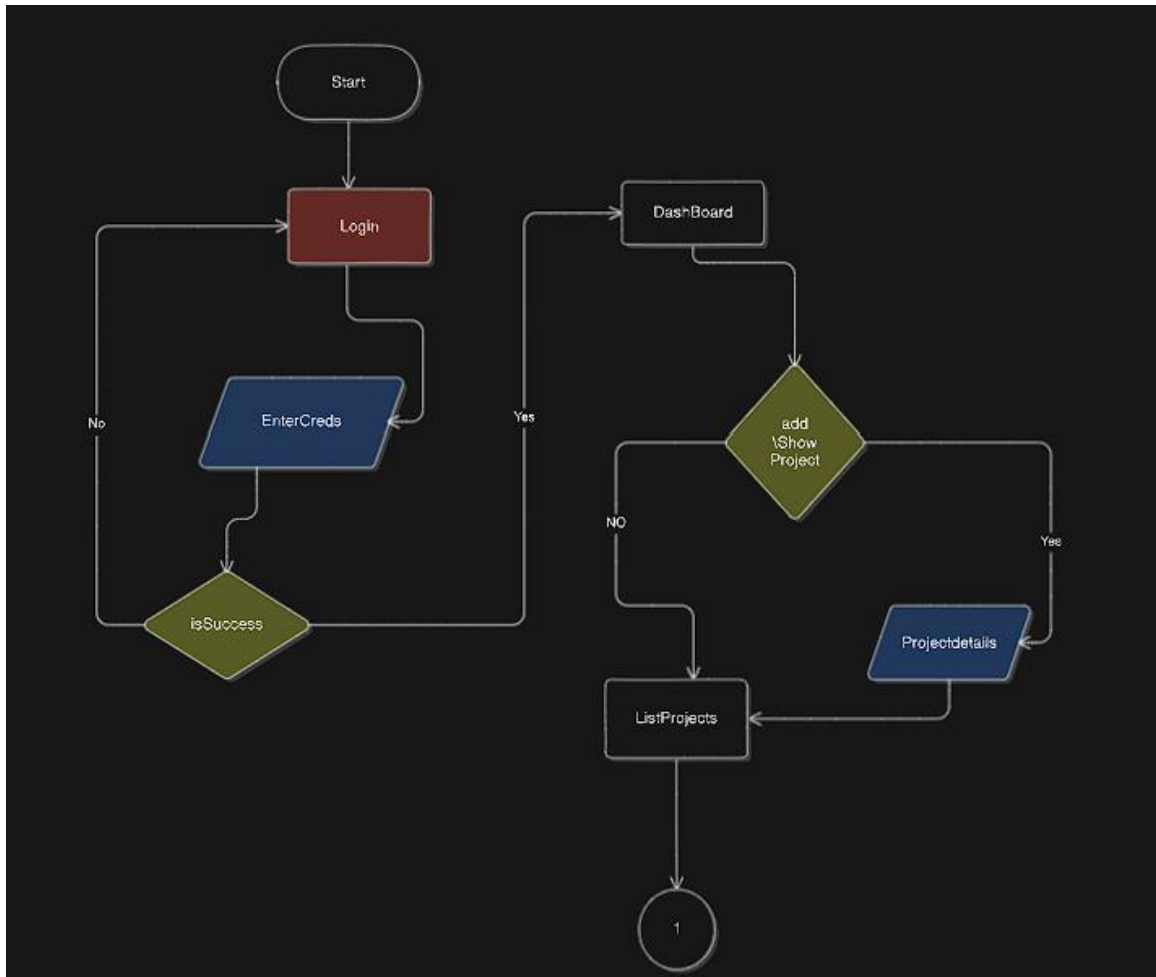
DFD level-0

admin
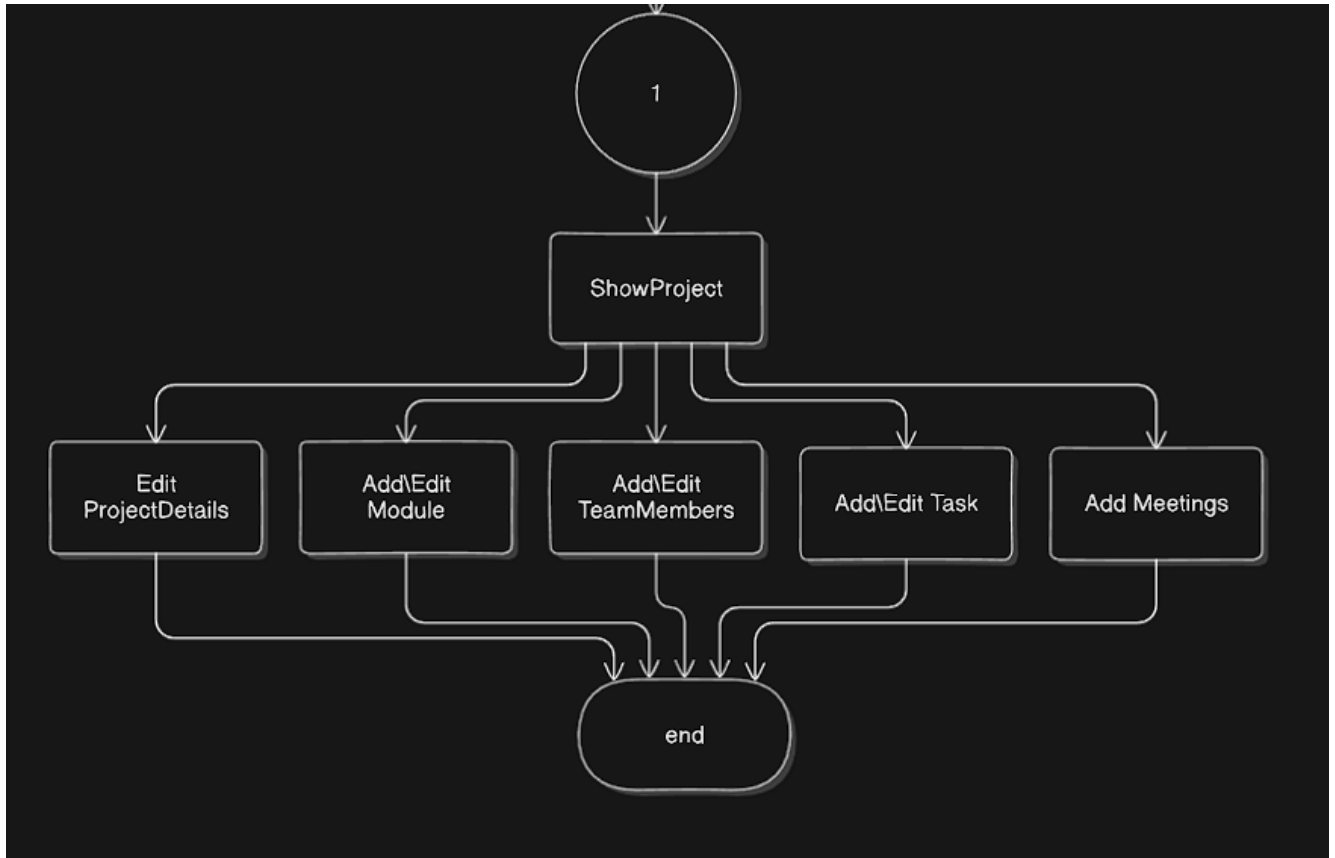
Add Project /Manage Project

Show Projects

ProManagement

Update task

View Task/TeamMembers/Meetings/ProjectDetails
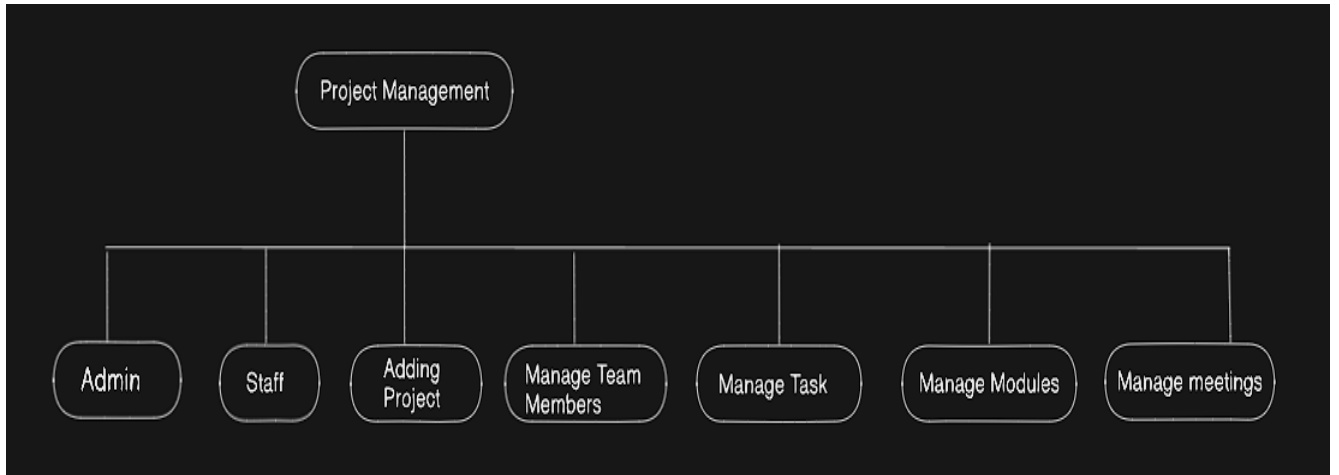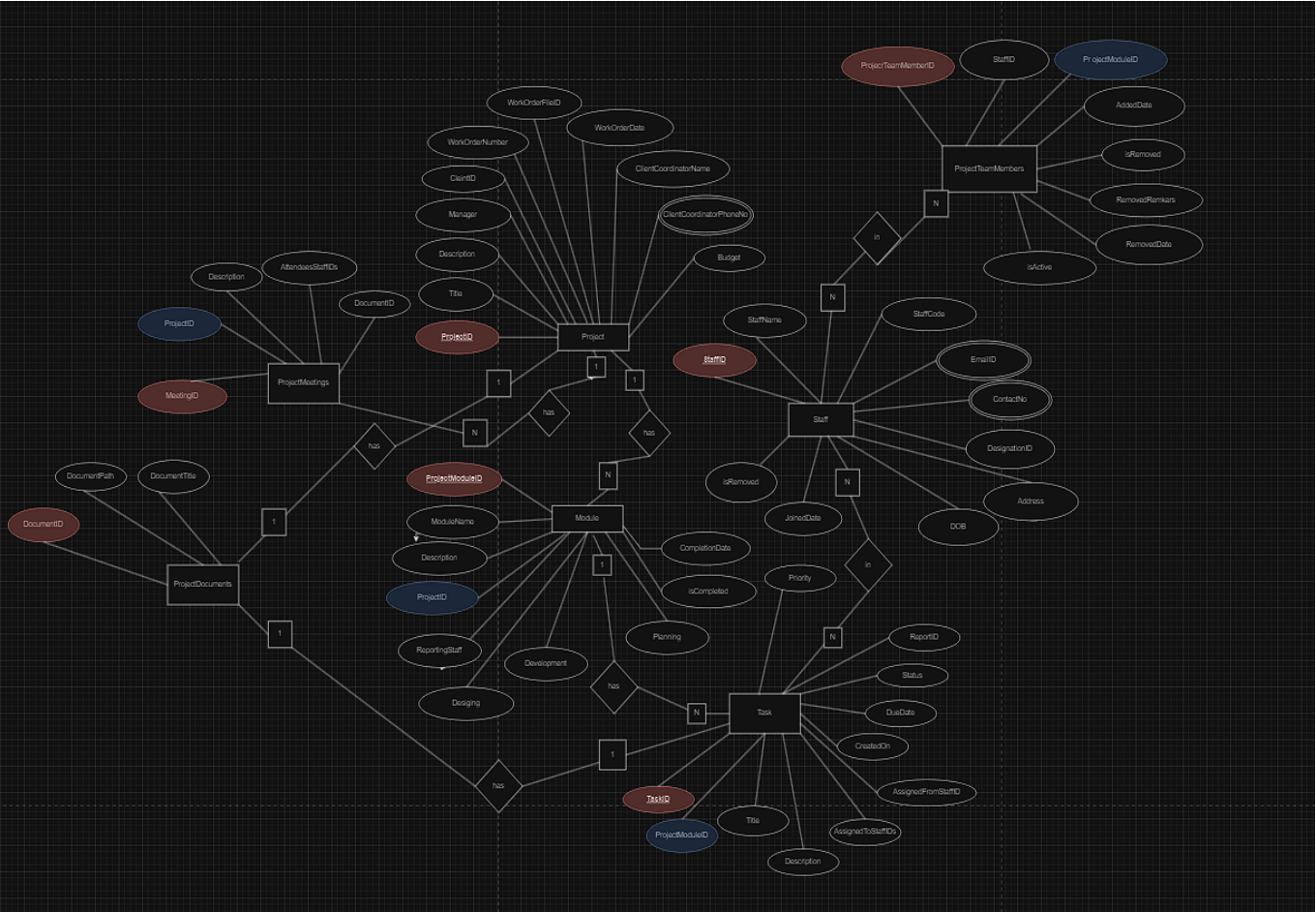
Staff
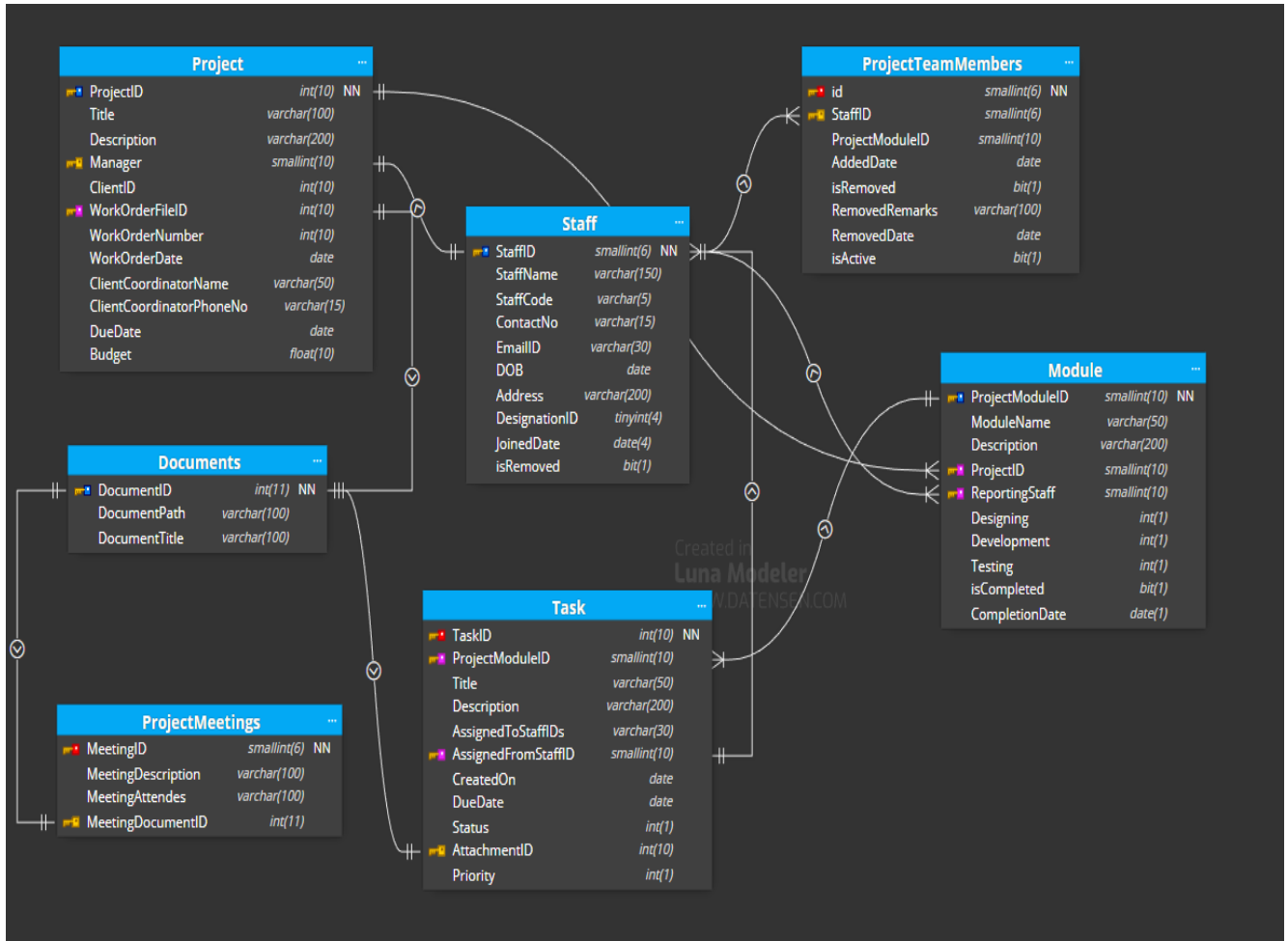
DFD Level-1

DFD level-2

Flow Chart

Flow chart continue

Module Design

ER Diagram

Database Design

Project

ProjectID	int(10)	NN
Title	varchar(100)	
Description	varchar(200)	
Manager	smallint(10)	
ClientID	int(10)	
WorkOrderFileID	int(10)	
WorkOrderNumber	int(10)	
WorkOrderDate	date	
ClientCoordinatorName	varchar(50)	
ClientCoordinatorPhoneNo	varchar(15)	
DueDate	date	
Budget	float(10)	

ProjectTeamMembers

id	smallint(6)	NN
StaffID	smallint(6)	
ProjectModuleID	smallint(10)	
AddedDate	date	
isRemoved	bit(1)	
RemovedRemarks	varchar(100)	
RemovedDate	date	
isActive	bit(1)	

Staff

StaffID	smallint(6)	NN
StaffName	varchar(150)	
StaffCode	varchar(5)	
ContactNo	varchar(15)	
EmailID	varchar(30)	
DOB	date	
Address	varchar(200)	
DesignationID	tinyint(4)	
JoinedDate	date(4)	
isRemoved	bit(1)	

Module

ProjectModuleID	smallint(10)	NN
ModuleName	varchar(50)	
Description	varchar(200)	
ProjectID	smallint(10)	
ReportingStaff	smallint(10)	
Designing	int(1)	
Development	int(1)	
Testing	int(1)	
isCompleted	bit(1)	
CompletionDate	date(1)	

Documents

DocumentID	int(11)	NN
DocumentPath	varchar(100)	
DocumentTitle	varchar(100)	

Task

TaskID	int(10)	NN
ProjectModuleID	smallint(10)	
Title	varchar(50)	
Description	varchar(200)	
AssignedToStaffIDs	varchar(30)	
AssignedFromStaffID	smallint(10)	
CreatedOn	date	
DueDate	date	
Status	int(1)	
AttachmentID	int(10)	
Priority	int(1)	

ProjectMeetings

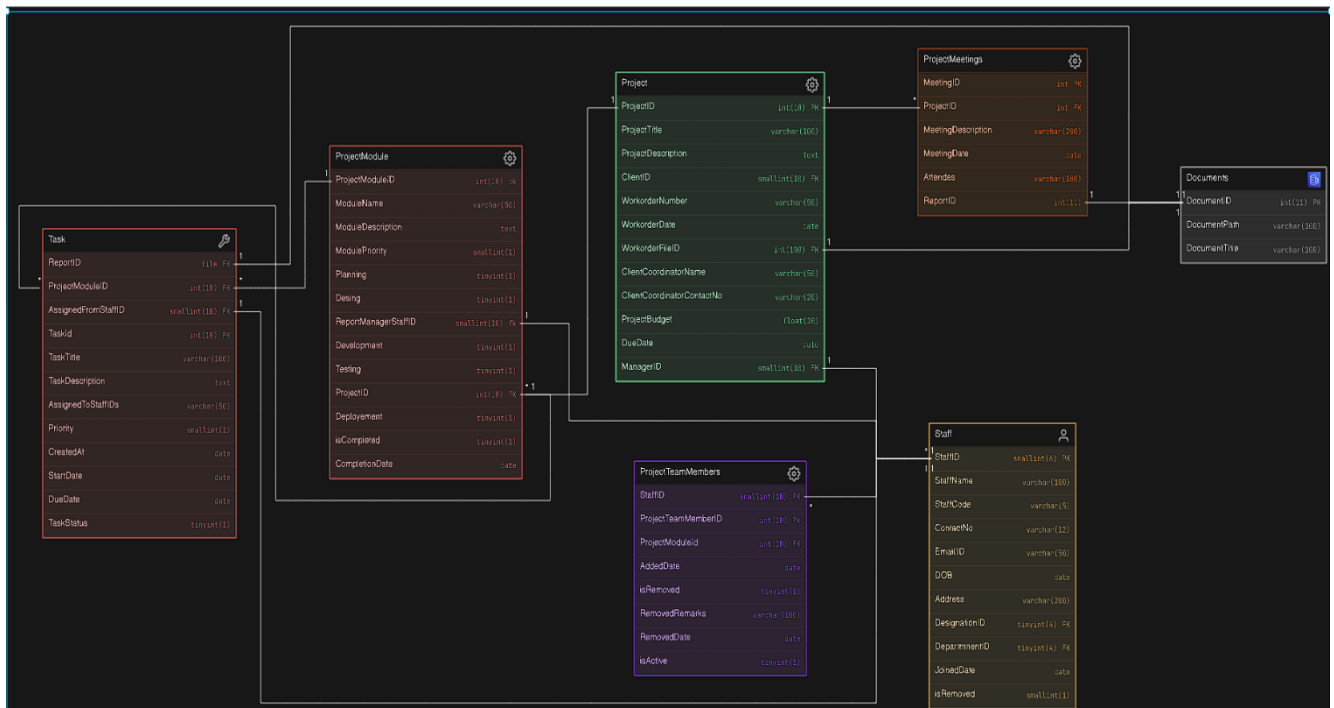|		
MeetingID	smallint(6)	NN
MeetingDescription	varchar(100)	
MeetingAttendes	varchar(100)	
MeetingDocumentID	int(11)	

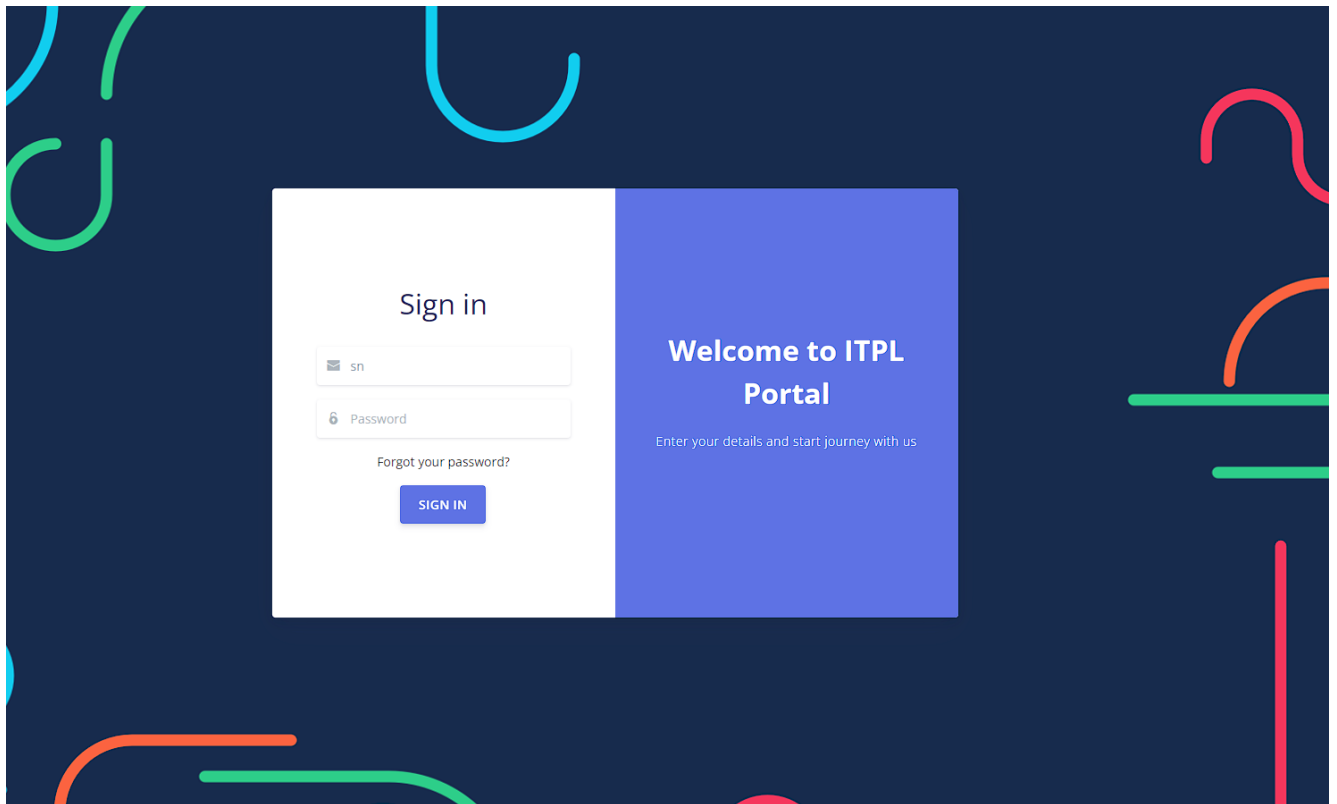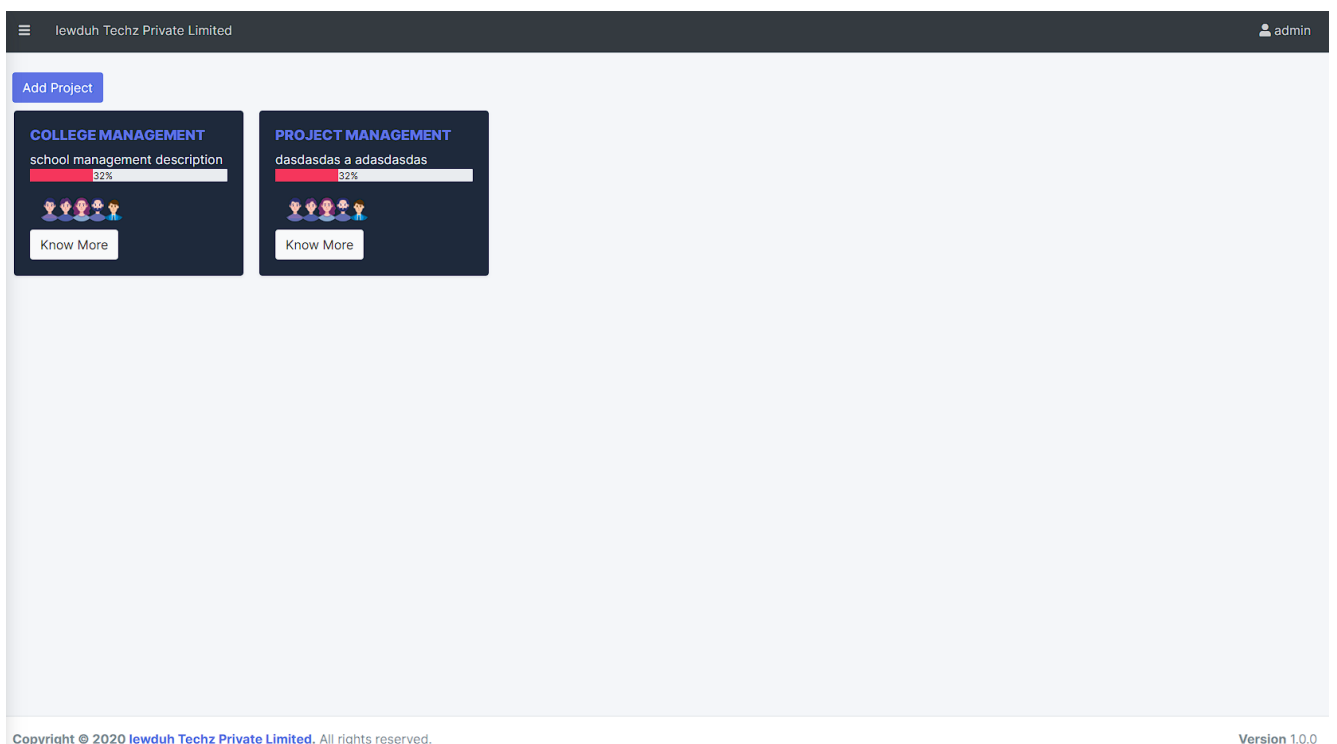# Schema Diagram

- To view the diagram in more details please follow the link(1 represents 1 and dot(.) represents many relationship)

- https://app.eraser.io/workspace/c5CqAVa8RMxU4awn8F80

Menu Design

Login

Dashboard

Adding project

Project Details

Title *
Enter project title

Description *
Enter project description

Manager *
Select

Client
Select

Workorder Number *
Enter Workorder Number

Workorder Date
dd-mm-yyyy

Workorder File *(Optional)*
Choose File | No file chosen

Project Coordinator *
Select

Client Coordinator*
Enter Client Coordinator Name

Client Coordinator Contact
Enter Contact Number

Project Budget(INR)
Enter Project Budget

Due Date
dd-mm-yyyy

Project Attachments *(Optional)*
Choose Files | No file chosen

Create Project

Close

Individual Project Dashboard

Iewduh Techz Private Limited   admin

Manager Name:	**Emily Davis**
Client Coordinator Name:	**sahil subba**
Client Coordinator Phone:	**8257988069**
Project Coordinator Name:	**Jane Smith**
Workorder File:	
Workorder Number:	**1231234**
Workorder Date:	**2024-05-10**

More

Module	Status
User Auth	
Home page design	
data encryption	
DataBase Design	

Add Module   Modules

Team members   Add member

John Doe	Software Engineer	
Priya Sharma	Software Engineer	
Sunita Mishra	Software Engineer	
Daniel Wilson	Quality Assurance En	
Mike Johnson	UI/UX Designer	

Task   +

#	Task	Status	Employees	DueDate	Docs	Edit
1	test123	✕	John Doe	2024-05-19 00:00:00		

Project Meetings   +

#	Meeting ID	Description	Date	Attendees	Report
1	1	testing123	2024-05-09	Jane Smith	Download Report
2	2	testing123	2024-05-13	John Doe	Download Report

Editing the project details

Manager Name:	Emily Davis
Client Coordinator Name:	sahil subba
Client Coordinator Phone:	8257988069
Project Coordinator Name:	Jane Smith
Workorder File:	
Workorder Number:	1231234
Workorder Date:	2024-05-10

More

Module	Status
User Auth	
Home page design	

Team members — Add member

John Doe	Software Engineer
Priya Sharma	Software Engineer
Sunita Mishra	Software Engineer
Daniel Wilson	Quality Assurance En
Mike Johnson	UI/UX Designer

Close

Project Title:	College Management	edit
Project Description:	college management description	edit
Manager Name:	Emily Davis	edit
Client Coordinator Name:	sahil subba	edit
Client	8257988069	edit

Task

| # | Task | Status | Employees | Due |
| 1 | test123 | ✕ | John Doe | 2024-05-19 00:00:00 |

			Description	Date	Attendees	Report
1	1		testing123	2024-05-09	Jane Smith	Download Report
2	2		testing123	2024-05-13	John Doe	Download Report

Adding new Member

Iewduh Techz Private Limited   👤 admin

Manager Name:	Emily Davis
Client Coordinator Name:	sahil subba
Client Coordinator Phone:	8257988069
Project Coordinator Name:	Jane Smith
Workorder File:	
Workorder Number:	1231234
Workorder Date:	2024-05-10

More

Select Staff

Select ▾

Select Module

Select ▾

Add   Close

DataBase Design

Add Module   Modules

Team members — Add member

John Doe	Software Engineer
Priya Sharma	Software Engineer
Sunita Mishra	Software Engineer
Daniel Wilson	Quality Assurance En
Mike Johnson	UI/UX Designer

Task +

| # | Task | Status | Employees | DueDate | Docs | Edit |
| 1 | test123 | ✕ | John Doe | 2024-05-19 00:00:00 | | |

Project Meetings +

#	Meeting ID	Description	Date	Attendees	Report
1	1	testing123	2024-05-09	Jane Smith	Download Report
2	2	testing123	2024-05-13	John Doe	Download Report

Adding new Module

Modules of a member

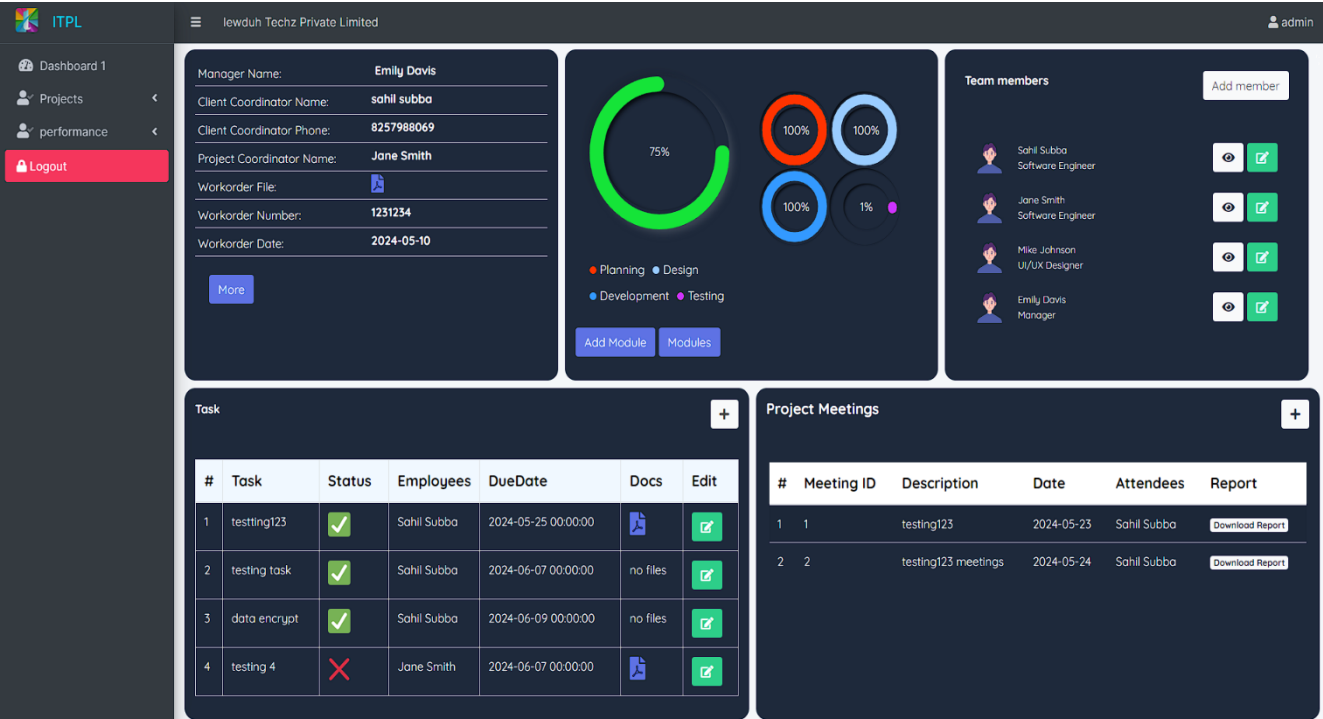# Adding/removing from a module

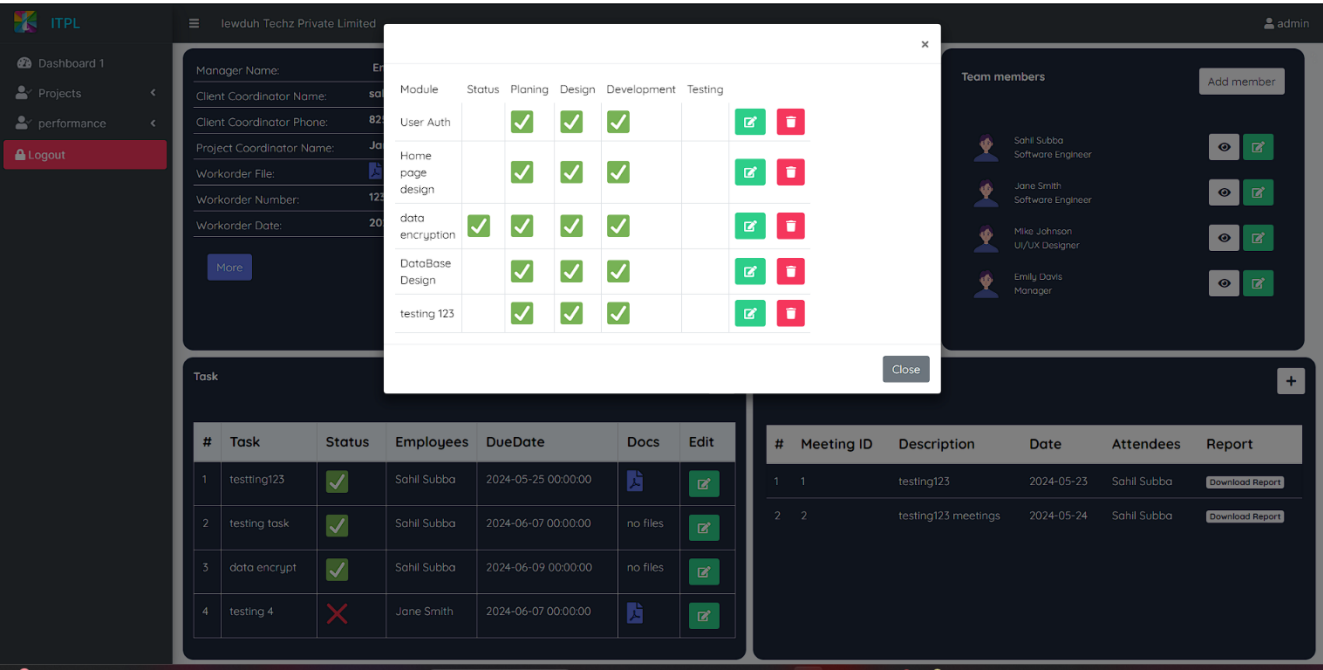# Adding new task

Editing task

Adding meeting details
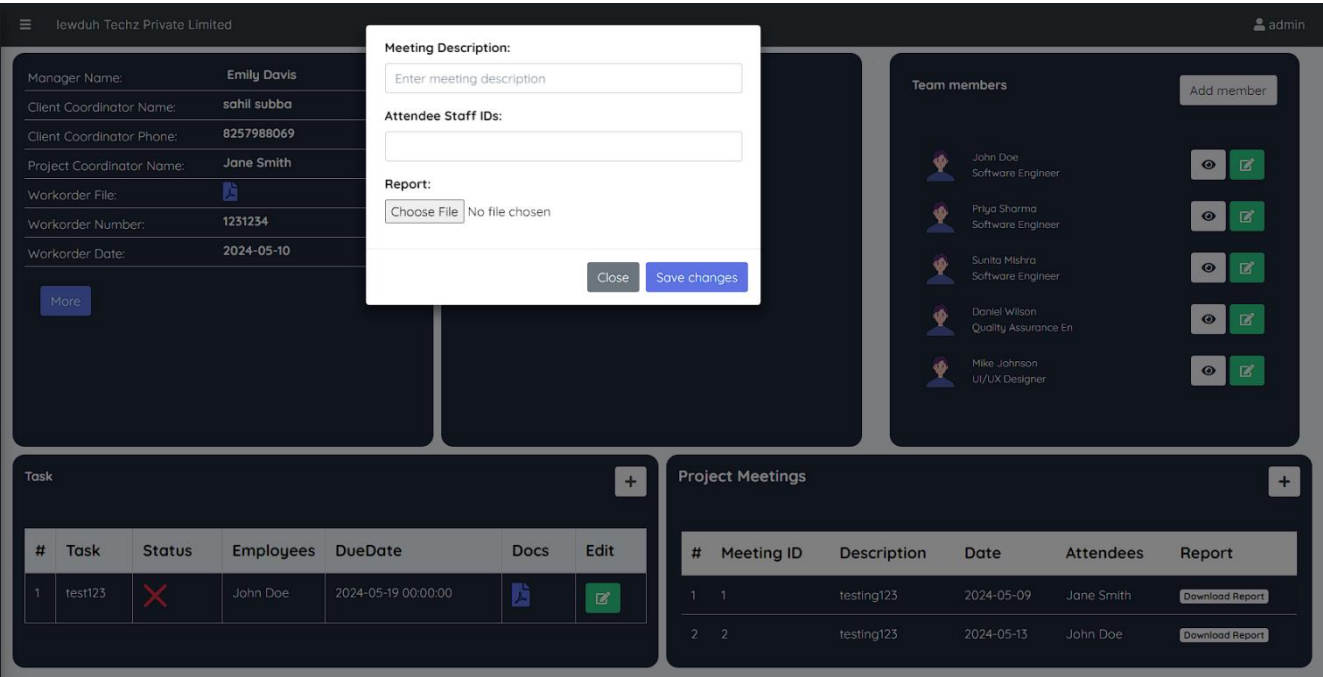
Version 2 of the dashboard

List of modules and it details

Future Enhancements

- Automation and integrate any AI tools

- Improve UI/UX

Conclusion

In conclusion, the project management software I developed provides an easy-to-use admin dashboard that makes managing projects much simpler. It lets you handle all parts of a project, including modules, tasks, team members, and meetings, all in one place. The software also allows you to track project progress in real-time, which helps keep everything organized and up-to-date. By bringing all these functions together, the software improves teamwork, boosts organization, and makes sure updates are timely. This tool is designed to make project management easier and more efficient for any team, leading to better project outcomes and higher productivity.

BIBLIOGRAPHY

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https://chatgpt.com/

https://jquery.com/

Get started with Bootstrap · Bootstrap v5.3 (getbootstrap.com)