

**A Database Mini Project Report**  
on  
**“Project Management System”**

Submitted to the  
Savitribai Phule Pune University  
In partial fulfilment for the award of the Degree of  
Bachelor of Engineering  
in  
Information Technology  
By

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Under the guidance of

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# CERTIFICATE



This is to certify that the mini project report entitled "**“Project Management System”**" being submitted by **Swapna Salunkhe (33365)**, **Shilpa Dhongdi (33368)**, **Shubhangi Dhanavate (33373)**, **Vaibhav Waghmare (33379)** from TE-11 is a record of bonafide work carried out by him/her under the supervision and guidance of **Prof. R. B. Murumkar** in partial fulfillment of the requirement for **TE (Information Technology Engineering) – 2015 course** of Savitribai Phule Pune University, Pune in the academic year 2020-2021.

Date:

Place: Pune

**Mr.R.B.Murumkar  
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**Mr.R.B.Murumkar  
Subject Coordinator**

**Dr. Anant Bagade  
Head of the Department**

Principal

---

This Project Based Seminar report has been examined by us as per the Savitribai Phule Pune University, Pune requirements at **Pune Institute of Computer Technology, Pune – 411043** on

Internal Examiner

External Examiner

## **ACKNOWLEDGEMENT**

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Thankyou.

Swapna Salunkhe

Shilpa Dhongdi

Shubhangi Dhanavate

Vaibhav Waghmare

(Students Name & Signature)

## **ABSTRACT**

This project is aimed to developing a Project Management System. In this project we are created one application which is easy to access user friendly. For this application we used the backend as MySQL DB to store the data which is used in the application and for the user interface we had used the Jsp and HTML, Bootstrap, CSS. We have created a system which enables students to work collaboratively on their projects, with the addition of each functionality they can save their work. And for teachers we have created a module in this system though which each teacher can access the projects which are carried by their students ,teachers can give reviews ,marking to those projects and can check the progress and also fix deadline for them.

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# **CHAPTER 1**

## **INTRODUCTION**

### **1.1 Purpose**

In this phase of lockdown though the education has changed its way of teaching now the lecture is being carried online students are interacting with their teachers digitally but the problem, which is now faced by many students is that when they are needed to work on a project in group. So, how will they work together and for teachers how they will check the progress of projects and how will they grade those projects along with that teacher also wants to have control in their hand which enable them to restrict students from choosing their problem statements.

### **1.2 Scope**

We have created a system which enables students to work collaboratively on their projects, with the addition of each functionality they can save their work. And for teachers we have created a module in this system through which each teacher can access the projects which are carried by their students, teachers can give reviews, marking to those projects and can check the progress and also fix deadline for them.

### **1.3 Aim and Objective(s) of the Project**

The main objectives of this project work are that:

- It will provide a platform to work collaboratively on given projects..
- This also will reduce the manual work.
- It helps the teachers to know the number of students that have submitted the work.
- Project guide can give the marks, rating through this system
- There will be facility to give comments on particular project.
- Student can create the team, can submit the problem statement, abstract, report, code and output etc.
- Deadline can be included with projects which forces users to complete project on time

## **CHAPTER 2**

### **GENERAL DESCRIPTION**

#### **2.1 Product Function Perspective**

1. Deadline can be included with projects which forces users to complete project on time.
2. It provides a platform to work collaboratively on given projects.
3. Project guide can give the marks, can add the reviewer for project through this system.
4. Instructor can give the comments on particular project.
5. Instructor can check the progress of the project.
6. Quick and easy saving and loading of database file.

#### **2.2 User Characteristics**

There are mainly three users interacting in the system Instructor, Reviewer, Student. Student can easily check for new assigned project, can able to create the team, can submit the problem statement, abstract, code and output of the completed project. Instructor can assign the project, can check the progress of the project, can give the comments and marks.

#### **2.3 General constraints**

The project constraints are-

- Instructor, Student, Reviewer can use this system
- Student have to create a team.
- There can be one or no reviewer.

#### **2.4 System Assumptions**

The system has Three main entities:

- Instructor

Instructor can add subject, can Assign new project to students, can track the progress of the project, can also give the marks and comments.

- Student

Student can easily check for new assigned project, can able to create the team, can submit the problem statement, abstract, code and output of the completed project.

- Reviewer

Reviewer can give the comments, can view the project abstract, code, output and the report

# **CHAPTER 3**

## **SPECIFIC REQUIREMENT**

### **3.1 Hardware Requirement**

Processor :- 1.6GHz

RAM: 1 GB

Hard Disk: 4 GB Space Requirement

### **3.2. Software Requirements**

Text Editor:-Vs Code

Browser:- Mozilla firefox , Internet Explorer,Chrome

Frontend:- HTML, CSS, Bootstrap

BackEnd:- JSP

Database:-Mysql

### **3.3 Functional requirements**

#### **Login –**

- o The system provides security features through username-password matching where only authorized users can access the system with different authorization level.
- o Input – Username, password
- o Output – logged in

#### **Registration –**

- o This allows to register as Instructor or Student.
- o Input – Username, Enrolment no , name, mob no, address, email, password etc.
- o Output – Successfully register

### **3.4 Non functional requirements**

#### **Availability –**

The system is available 24 x 7. In case of hardware failure the replacement page will be shown or database corruption, backups of the database should be retrieved from the application data folder.

#### **Security –**

The system uses credentials like password and username for User login.

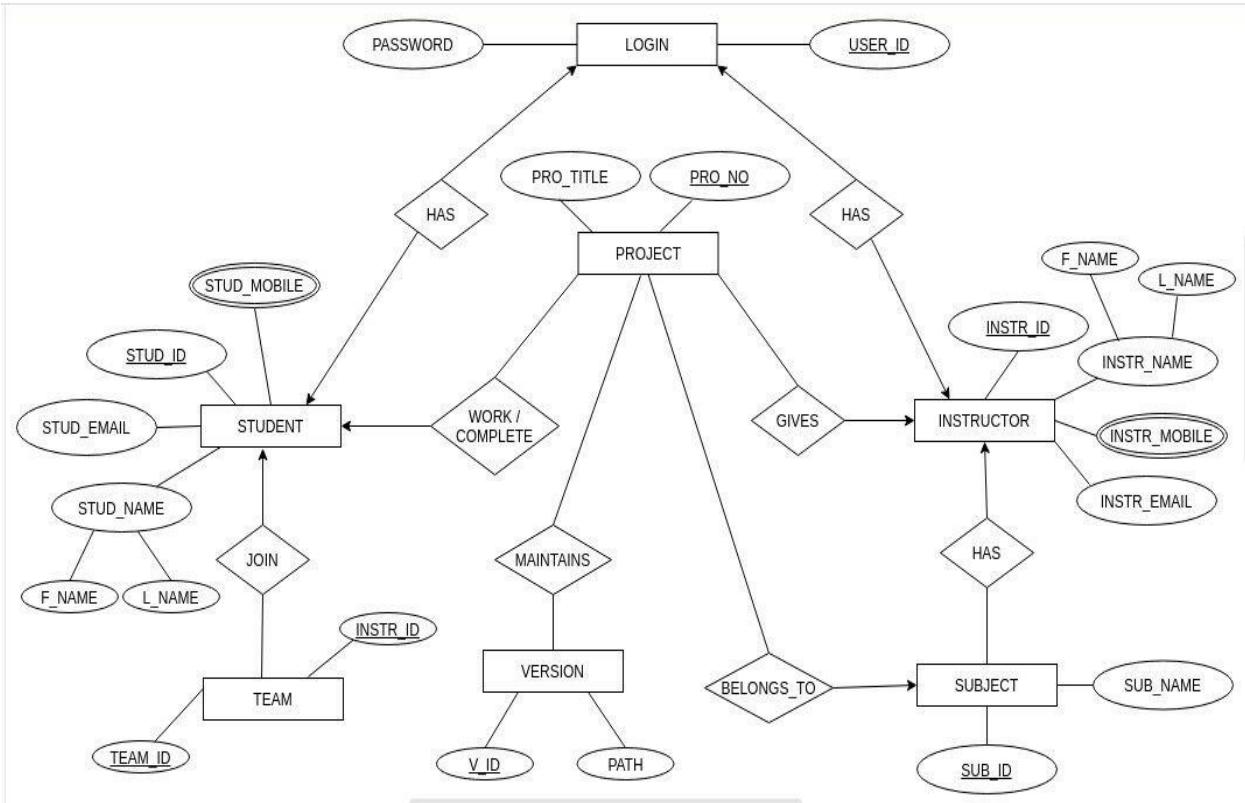
#### **Reliability –**

The system is reliable in its operations and reliable for securing the sensitive details.

# CHAPTER 4

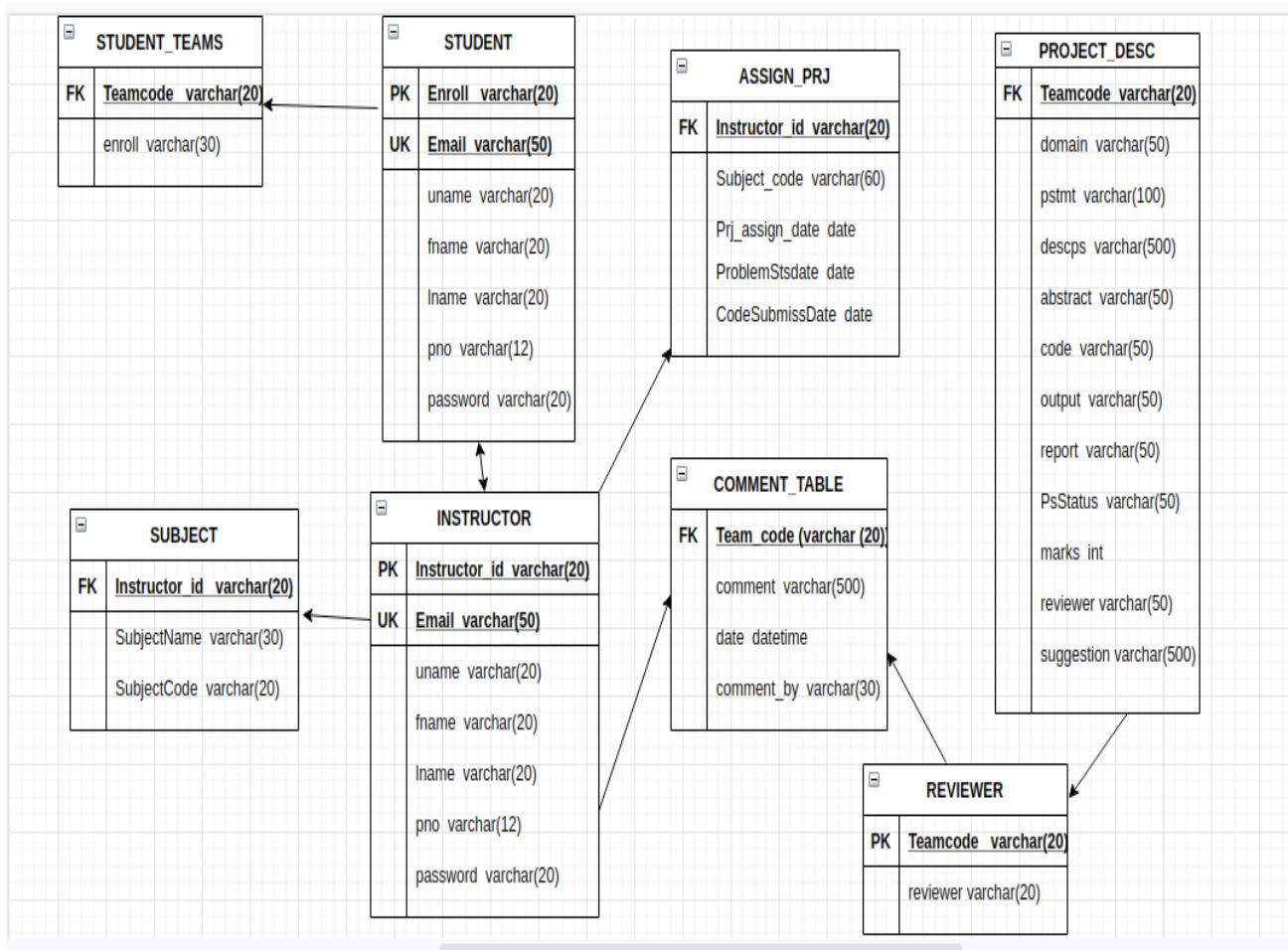
## System Design

### 4.1 ER Model



4.1 ER Diagram of project Management System

## 4.2 Schema Description



4.2 Schema Diagram of project Management System

## 4.3 Tables Description

### 1. All Tables in DataBase-

```
mysql> show tables;
+-----+
| Tables_in_miniPrj |
+-----+
| Comment_Table
| assignPrj
| deletedTeams
| displayPrj
| instructor
| notification
| projectDesc
| reviewer
| showDate
| student
| studentTeams
| studentTeamsLeave
| subject
| teams
+-----+
14 rows in set (0.00 sec)
```

### 2. Student Table-

```
mysql> desc student;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| enroll | varchar(20) | NO   | PRI | NULL    |       |
| uname  | varchar(20)  | YES  |     | NULL    |       |
| fname  | varchar(20)  | YES  |     | NULL    |       |
| lname  | varchar(20)  | YES  |     | NULL    |       |
| email  | varchar(50)   | YES  | UNI | NULL    |       |
| pno    | varchar(12)   | YES  |     | NULL    |       |
| psw    | varchar(20)   | YES  |     | NULL    |       |
| class  | varchar(10)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.19 sec)
```

### 3. Instructor Table-

```
mysql> desc instructor;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| instructorId | varchar(20) | NO | PRI | NULL | 
| uname | varchar(20) | YES | | NULL | 
| fname | varchar(20) | YES | | NULL | 
| lname | varchar(20) | YES | | NULL | 
| email | varchar(50) | YES | UNI | NULL | 
| pno | varchar(12) | YES | | NULL | 
| psw | varchar(20) | YES | | NULL | 
+-----+-----+-----+-----+-----+-----+
```

### 4. Teams Table-

```
mysql> desc teams;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| enroll | varchar(20) | YES | | NULL | 
| teamName | varchar(20) | YES | | NULL | 
| noOfMembers | int | YES | | NULL | 
| projectName | varchar(300) | YES | | NULL | 
| subjectCode | varchar(60) | YES | | NULL | 
| instructorId | varchar(20) | YES | | NULL | 
| teamCode | varchar(20) | NO | PRI | NULL | 
| teamLogoName | varchar(200) | YES | | NULL | 
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.01 sec)
```

### 5. Student Teams Table-

```
mysql> desc studentTeams;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| enroll | varchar(30) | YES | | NULL | 
| teamCode | varchar(30) | YES | MUL | NULL | 
+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

## 6. Student Teams Leave Table-

```
mysql> desc studentTeamsLeave;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| enroll | varchar(30) | YES |     | NULL    |       |
| teamCode | varchar(30) | YES | MUL | NULL    |       |
| leaveDate | date | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

## 7. Project Description Table -

```
mysql> desc projectDesc;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default           | Extra |
+-----+-----+-----+-----+-----+-----+
| domain | varchar(50) | YES |     | NULL    |       |
| pstmtt | varchar(100) | YES |     | NULL    |       |
| descPs | varchar(500) | YES |     | NULL    |       |
| teamCode | varchar(20) | NO  | MUL | NULL    |       |
| abstract | varchar(50) | YES |     | NULL    |       |
| code | varchar(50) | YES |     | NULL    |       |
| output | varchar(50) | YES |     | NULL    |       |
| report | varchar(50) | YES |     | NULL    |       |
| PsStatus | varchar(50) | YES |     | Problem Statement Submitted |       |
| marks | int    | YES |     | 0        |       |
| reviewer | varchar(50) | YES |     | NULL    |       |
| suggestion | varchar(500) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
12 rows in set (0.00 sec)
```

## 8. Comment Table -

```
mysql> desc Comment_Table;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default           | Extra |
+-----+-----+-----+-----+-----+
| comment | varchar(500) | YES |     | NULL    |       |
| date | datetime | YES |     | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| comment_by | varchar(30) | YES |     | NULL    |       |
| teamCode | varchar(20) | YES | MUL | NULL    |       |
+-----+-----+-----+-----+-----+
```

## 9. Subject Table -

```
mysql> desc subject;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| instructorId | varchar(20) | NO | MUL | NULL |
| subjectName | varchar(30) | YES | | NULL |
| subjectCode | varchar(20) | YES | | NULL |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

## 10. Notification Table -

```
mysql> desc notification
-> ;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| class | varchar(10) | YES | | NULL | |
| notify | varchar(50) | YES | | NULL |
| purpose | varchar(20) | YES | | NULL |
| teamcode | varchar(30) | YES | | NULL |
| date | datetime | YES | | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| subjectName | varchar(20) | YES | | NULL |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

## 11. Assign Project Table -

```
mysql> desc assignPrj;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| instructorId | varchar(20) | YES | MUL | NULL |
| subjectCode | varchar(60) | YES | | NULL |
| prjAssignDate | date | YES | | NULL |
| problemStatementDate | date | YES | | NULL |
| codeSubmissionDate | date | YES | | NULL |
| class | varchar(10) | YES | | NULL |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

## 12. Display Project Table -

```
mysql> desc displayPrj;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| domain | varchar(50) | YES | | NULL | |
| pstmt | varchar(100) | YES | | NULL | |
| abstract | varchar(50) | YES | | NULL | |
| report | varchar(50) | YES | | NULL | |
| prjAssignDate | date | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

## 13. Show Date Table -

```
mysql> desc showDate;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| teamCode | varchar(20) | NO | | NULL | |
| prjAssignDate | date | YES | | NULL | |
| problemStatementDate | date | YES | | NULL | |
| codeSubmissionDate | date | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

## 14. Reviewer Table -

```
mysql> desc reviewer;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| teamCode | varchar(20) | NO | PRI | NULL | |
| reviewer | varchar(20) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

## 15. Deleted Teams -

```
mysql> desc deletedTeams;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| enroll | varchar(20) | YES |   | NULL |   |
| teamName | varchar(20) | YES |   | NULL |   |
| noOfMembers | int | YES |   | NULL |   |
| projectName | varchar(300) | YES |   | NULL |   |
| subjectCode | varchar(60) | YES |   | NULL |   |
| instructorId | varchar(20) | YES |   | NULL |   |
| teamCode | varchar(30) | YES | MUL | NULL |   |
| teamLogoName | varchar(200) | YES |   | NULL |   |
| deletedDate | date | YES |   | NULL |   |
+-----+-----+-----+-----+-----+-----+
9 rows in set (0.01 sec)
```

## 4.4 Database Normalization-

### First Normal Form:-

The relation is in 1NF if it has no repeating groups. All tables has no repeating groups so they are in 1NF.

Eg:-

#### 1] Student :

Enroll\_id, student\_uname, student\_fname ,student\_lname, email, pincode, password.

Enroll (PK)	uname	fname	lname	Email (UK)	pno	psw
-------------	-------	-------	-------	------------	-----	-----

#### 2] Instructor :

instructor\_id, instructor\_uname instructor\_fname , instructor\_lname, email, pincode, password.

Id (PK)	uname	fname	lname	Email (UK)	pno	psw
---------	-------	-------	-------	------------	-----	-----

### Second Normal Form:-

A relation is said to be in second normal form if it is already in first normal form and it has no partial dependency.

Eg:-

#### Assign\_project :-

Instructor\_id, Subject\_code, Project\_assign\_date, Problem\_statement\_date, Code\_submission\_date.

Instructor_id (FK)	Subject_code	Project_assign_date	Problem_statement_date	Code_submission_date
-----------------------	--------------	---------------------	------------------------	----------------------

#### Project\_desc :

Domain, problem\_statement,description\_of\_ps,teamcode,abstract, code, output, report, ps\_status, marks, reviewer,suggestion.

Domain	pstmt	Desc_ps	Teamcode	abstract	code	output	report	Ps_status	marks	reviewer	Suggestion
--------	-------	---------	----------	----------	------	--------	--------	-----------	-------	----------	------------

#### Student\_team :-

Enroll, teamcode.

Enroll	Teamcode (FK)
--------	---------------

**Subject :**

Subject\_name, Subject\_code, instructor\_id.

Subject name	Subject code	Instructor id (FK)
--------------	--------------	--------------------

**Teams :**

Enroll, team\_name, no\_of\_members, project\_name, subject\_code,instructor\_id, team\_code, teamlogo\_name.

Enroll	team_name	no_of_members	project_name	subject_code	instructor_id	teamCode (PK)	teamLogoName
--------	-----------	---------------	--------------	--------------	---------------	------------------	--------------

**Third Normal Form**

A relation is said to be in third normal form if it is already in 1<sup>st</sup> and 2<sup>nd</sup> NF and has no transitive dependency.

**Student\_team\_leave :-**

Enroll, teamcode, leave\_date.

Enroll	Teamcode (FK)	Leave_date
--------	---------------	------------

**Comment\_table :-**

Comment, date, Comment\_by, Teamcode.

comment	date	Comment_by	Teamcode (FK)
---------	------	------------	---------------

**deleted\_teams :**

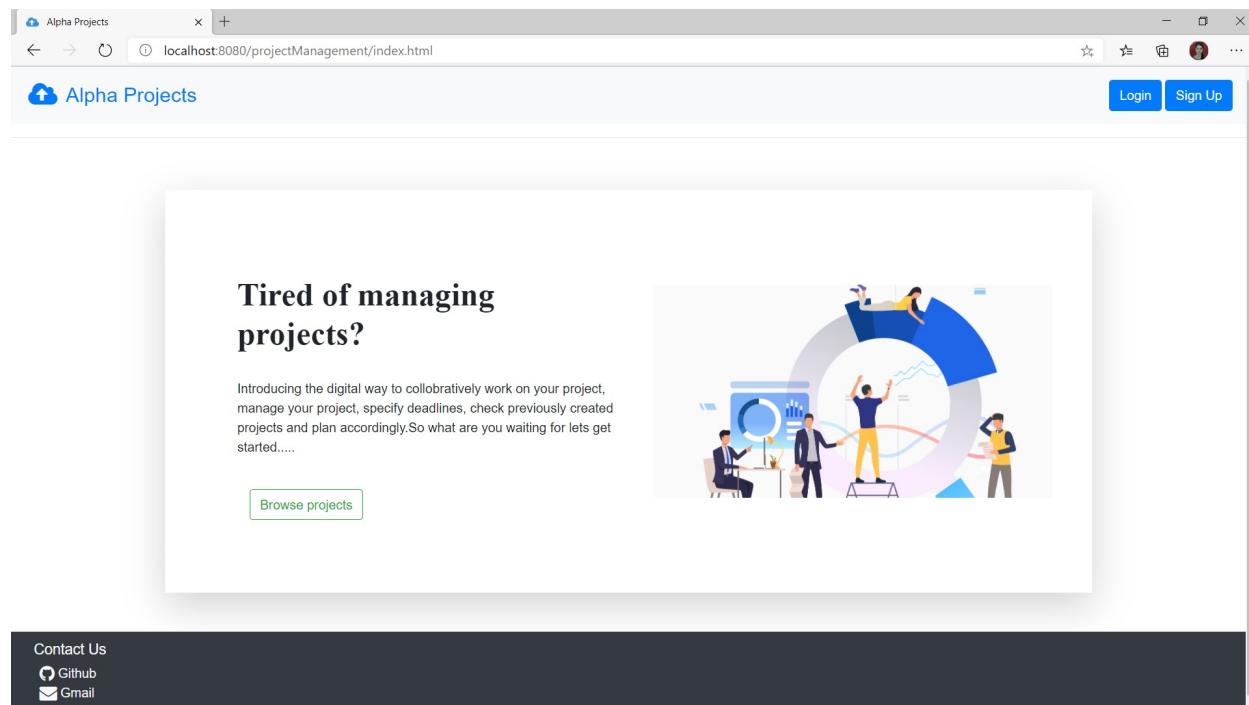
Enroll, team\_name, no\_of\_members, project\_name, subject\_code,instructor\_id, team\_code, teamlogo\_name.

Enroll	team_name	no_of_members	project_name	subject_code	instructor_id	teamCode (PK)	teamLogoName
--------	-----------	---------------	--------------	--------------	---------------	------------------	--------------

## 4.5 Graphical User Interface-

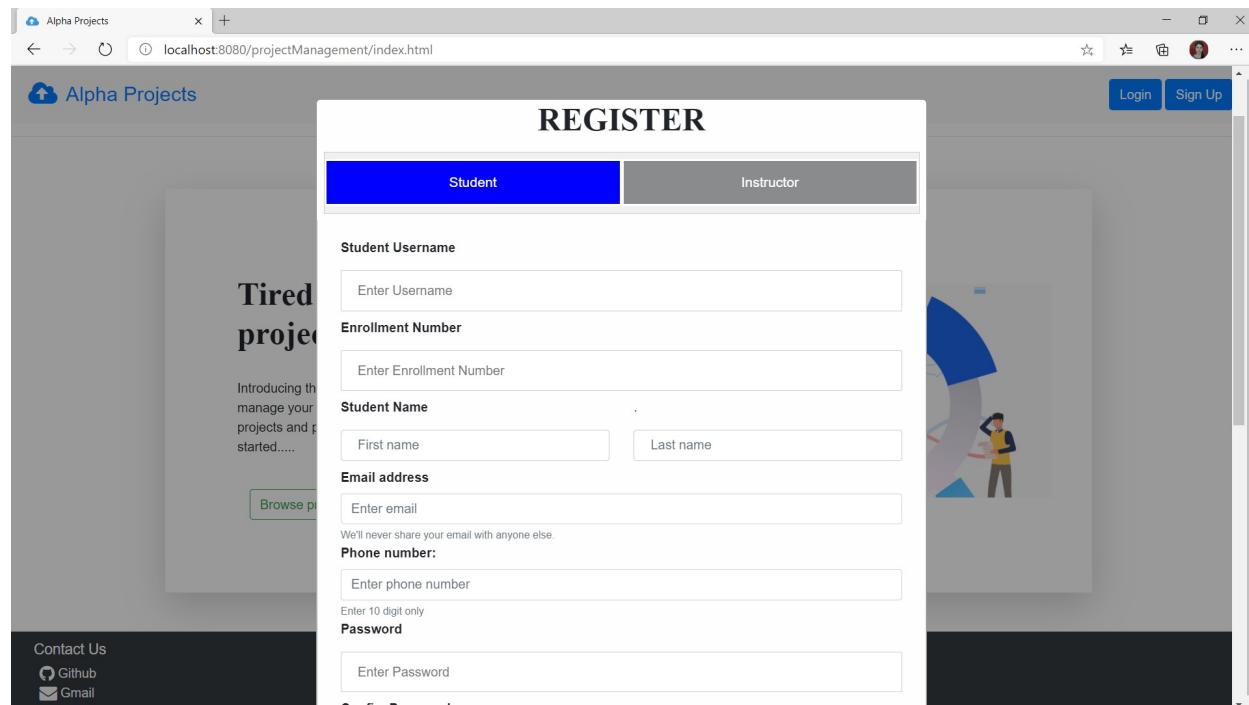
### ***Snapshots of the application***

#### **HOME-PAGE**

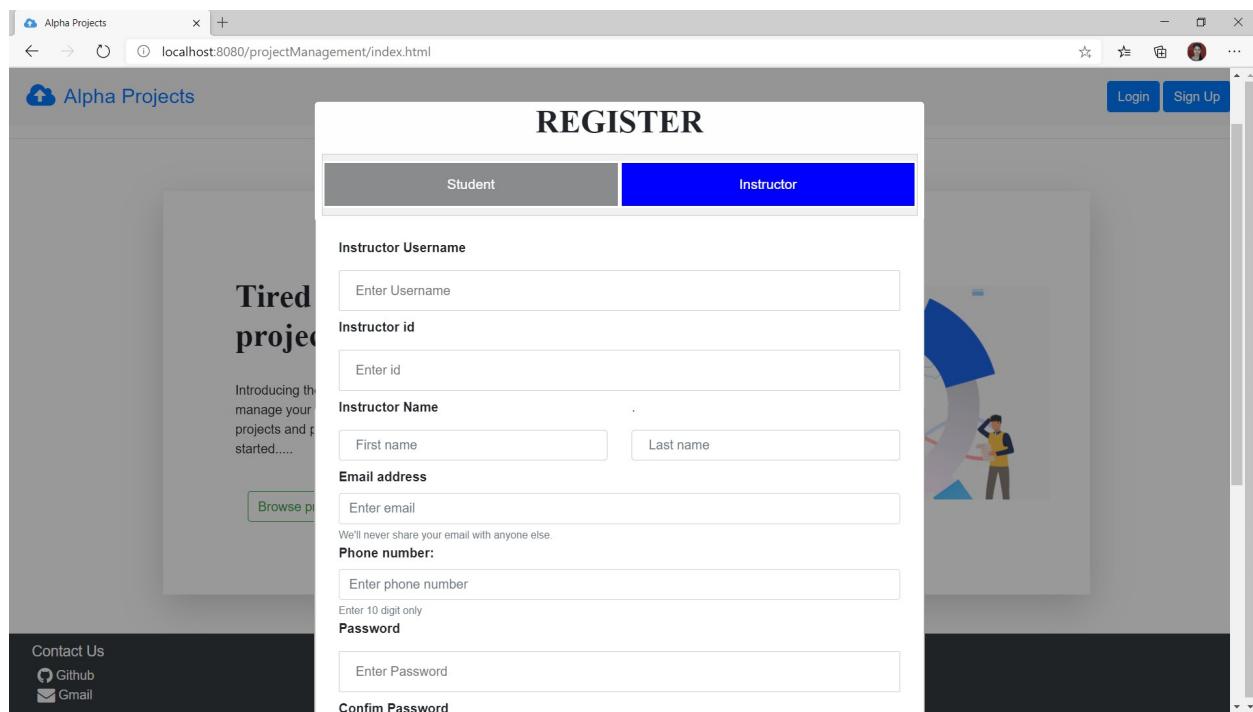


#### **STUDENT View**

##### **Student registration page**



## Instructor registration page

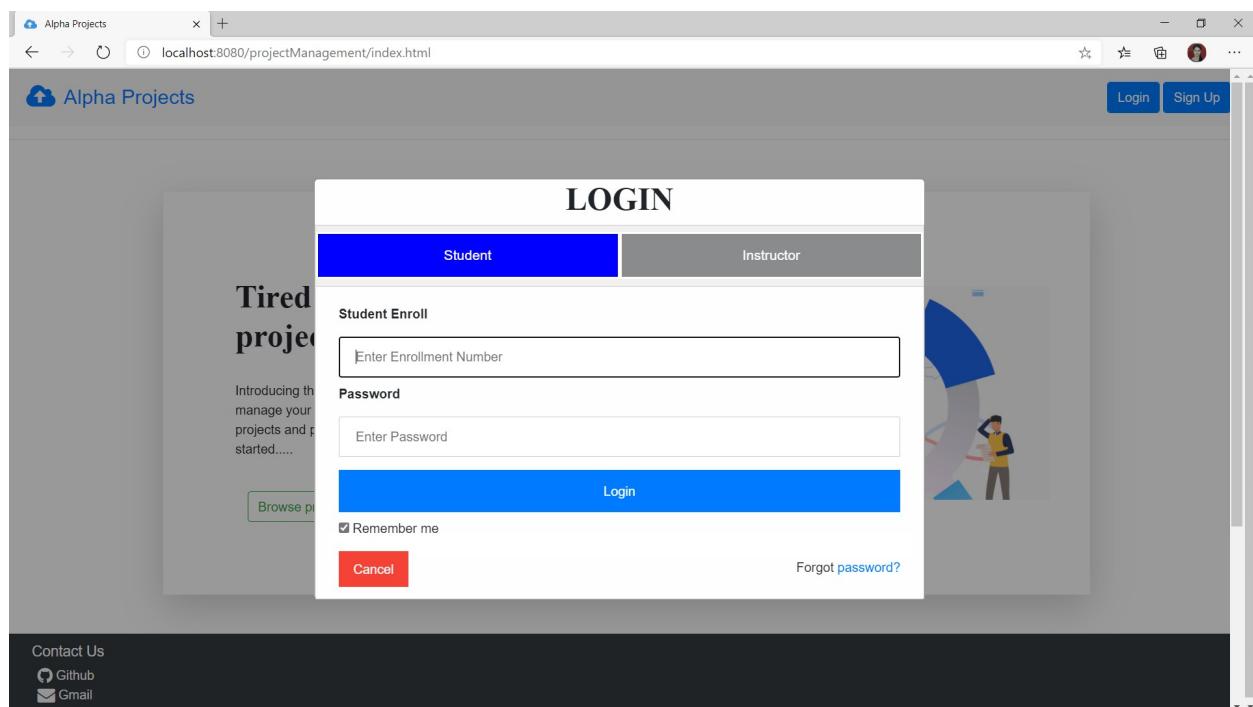


The screenshot shows a web browser window for 'Alpha Projects' at localhost:8080/projectManagement/index.html. A modal dialog titled 'REGISTER' is displayed in the center. The dialog has tabs for 'Student' and 'Instructor', with 'Instructor' selected. The form fields for an instructor include:

- Instructor Username: Enter Username
- Instructor id: Enter id
- Instructor Name: First name and Last name
- Email address: Enter email
- Phone number: Enter phone number (Enter 10 digit only)
- Password: Enter Password
- Confirm Password: Confirm Password

Below the form, a note states: 'We'll never share your email with anyone else.'

## Student login page

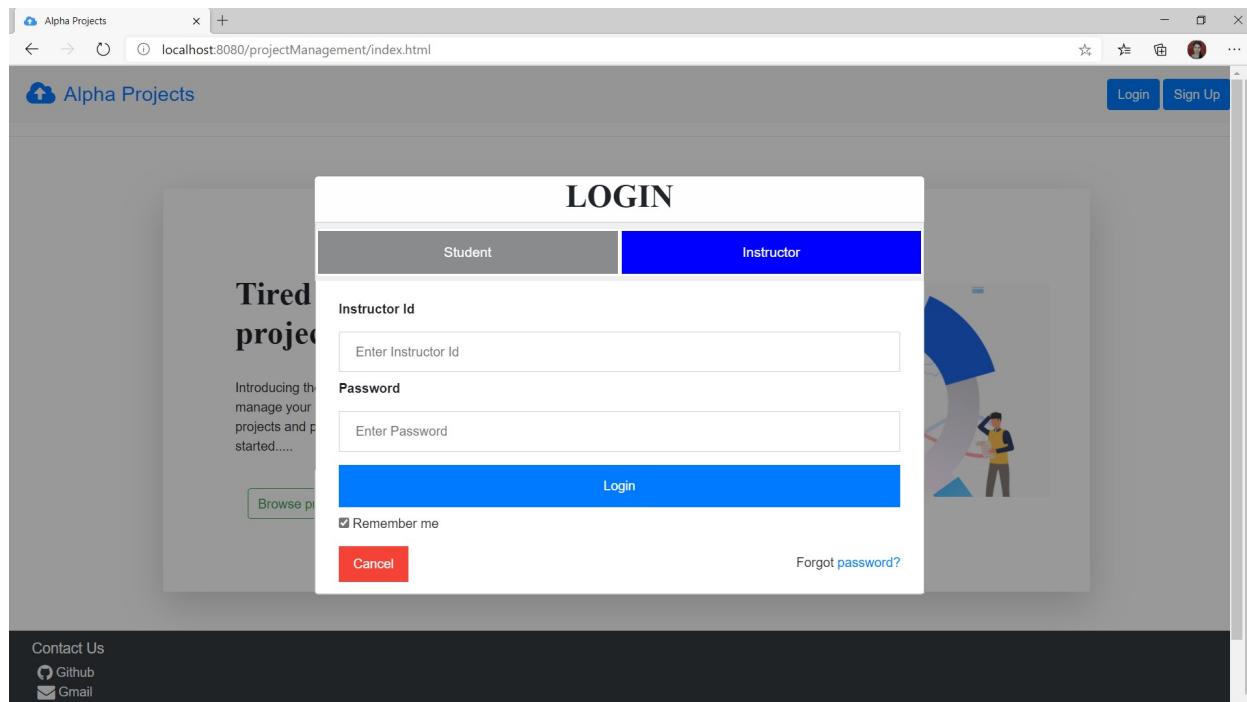


The screenshot shows a web browser window for 'Alpha Projects' at localhost:8080/projectManagement/index.html. A modal dialog titled 'LOGIN' is displayed in the center. The dialog has tabs for 'Student' and 'Instructor', with 'Student' selected. The form fields for a student include:

- Student Enroll: Enter Enrollment Number
- Password: Enter Password

Buttons for 'Login' (blue), 'Cancel' (red), and 'Forgot password?' (link) are present. A checkbox for 'Remember me' is also shown.

## Instructor login page



## After student login

The screenshot shows a web browser window with the URL `localhost:8080/projectManagement/jsp/stdHome.jsp`. The title bar says "Alpha Projects". The main content area is titled "Teams" and displays two team profiles:

- Team Name - vaibhav**
  - Subject - OS
  - Project name - system call implementation
  - Team Code - vaisys388
  - Status - Problem Statement Accepted
  - Marks - 200
  - Suggestion - no
- Team Name - thanos**
  - Subject - data structure
  - Project name - ecommerce wesbite
  - Team Code - thaeco2973
  - Status - Problem Statement Accepted

## Team menu

The screenshot shows a web browser window for 'Alpha Projects'. In the top right corner, there's a user profile with the name 'hi, vikrant@3'. On the left, there's a sidebar with a 'Teams' section. A context menu is open over this section, with the 'Create Team' option highlighted. Below the sidebar, there are two team cards:

- Team Name - OS**
  - Subject - OS
  - Project name - system call implementation
  - Team Code - vaisys388
  - Status - Problem Statement Accepted
  - Marks - 200
  - Suggestion - no
- Team Name - thanos**
  - Subject - data structure
  - Project name - ecommerce website
  - Team Code - thaeco2973
  - Status - Problem Statement Accepted

## Join team

The screenshot shows a 'Join Team' dialog box in the foreground, overlaid on the main application interface. The dialog has a text input field for 'Team code' and a blue 'Join' button. The background displays the same two team cards as the previous screenshot.

## Create new team

The screenshot shows a web browser window for 'Alpha Projects' at localhost:8080/projectManagement/jsp/stdHome.jsp. A modal dialog titled 'Create Team' is open in the center. The dialog contains fields for 'Team name' (with a placeholder 'Team Name -'), 'No of members' (with a placeholder '1'), 'Project name' (with a placeholder 'Project Name -'), 'Subject' (dropdown menu showing 'data structure 170003'), 'Instructor' (dropdown menu showing 'tony stark'), and 'Team logo' (input field with 'Choose file' and 'Browse' buttons, and a note 'File format must be .png, .jpg, .jpeg, .ico, .svg'). At the bottom is a 'Create' button.

## Leave team

The screenshot shows a web browser window for 'Alpha Projects' at localhost:8080/projectManagement/jsp/stdHome.jsp. A modal dialog titled 'Leave Team' is open in the center. It has a single input field for 'Team code' and a 'Leave' button below it. In the background, there are two team cards: 'Team Name - vaibhav' and 'Team Name - thanos'. The 'vaibhav' card contains details like Subject - OS, Project name - system call implementation, etc. The 'thanos' card contains details like Subject - data structure, Project name - ecommerce website, etc.

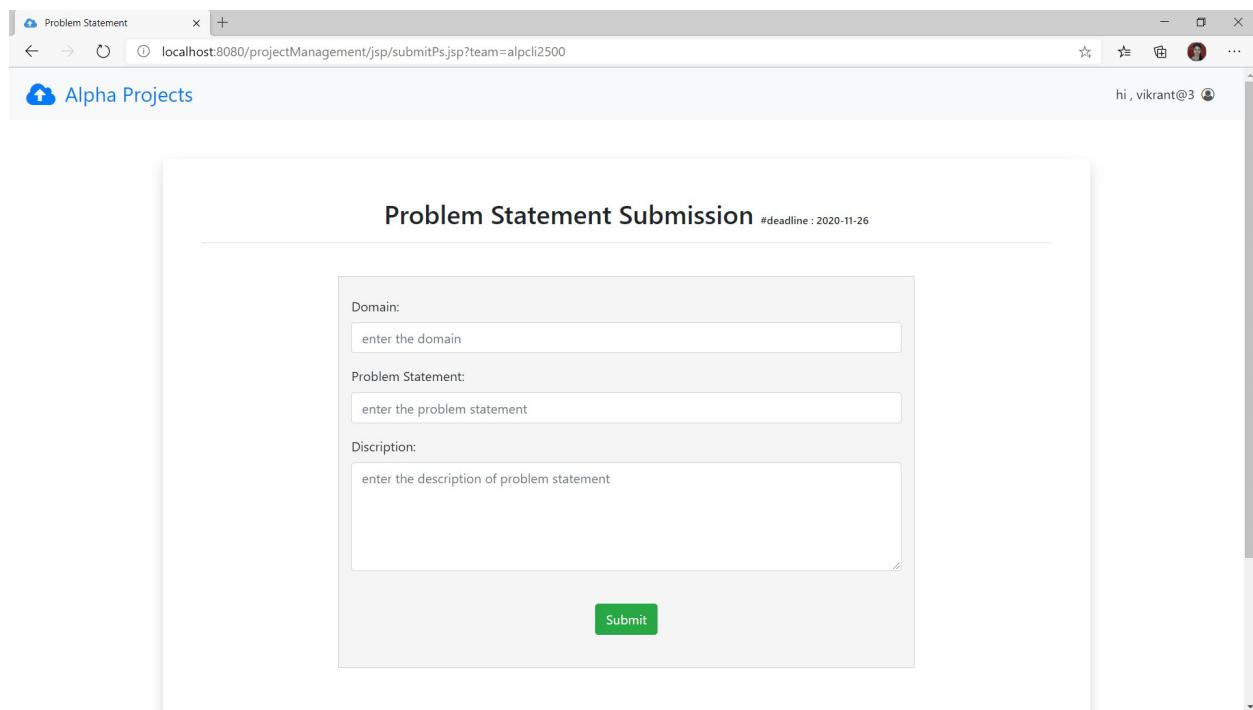
## Delete team

The screenshot shows a web browser window for 'Alpha Projects' at the URL `localhost:8080/projectManagement/jsp/stdHome.jsp`. A modal dialog box titled 'Delete Team' is open in the center. It contains a single input field labeled 'Team code' with a placeholder value 'vaiseys388'. Below the input field is a blue 'Delete' button. In the background, there are two team cards. The top card is for 'Team Name - vaibhav' with details: Subject - OS, Project name - system call implementation, Team Code - vaiseys388, Status - Problem Statement Accepted, Marks - 200, and Suggestion - no. The bottom card is for 'Team Name - thanos' with details: Subject - data structure, Project name - ecommerce wesbite, Team Code - thaeco2973, Status - Problem Statement Accepted, Marks - 150, and Suggestion - no.

## Notifications for team

The screenshot shows a web browser window for 'Alpha Projects' at the URL `localhost:8080/projectManagement/jsp/stdHome.jsp`. A notification bubble is visible in the top right corner, displaying 'Os new project assigned' and 'Dbms problem stmt accepted'. In the background, there are two team cards. The top card is for 'Team Name - vaibhav' with details: Subject - OS, Project name - system call implementation, Team Code - vaiseys388, Status - Problem Statement Accepted, Marks - 200, and Suggestion - no. The bottom card is for 'Team Name - thanos' with details: Subject - data structure, Project name - ecommerce wesbite, Team Code - thaeco2973, Status - Problem Statement Accepted, Marks - 150, and Suggestion - no.

## Problem statement submission page

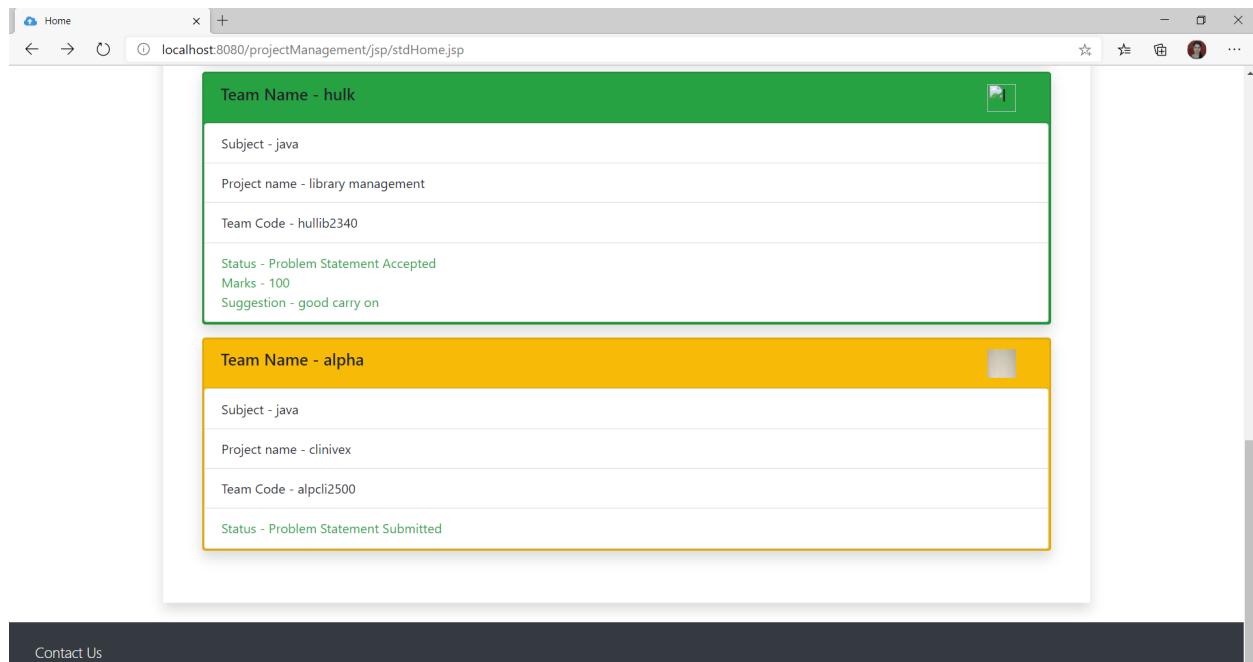


A screenshot of a web browser showing a form titled "Problem Statement Submission". The URL in the address bar is `localhost:8080/projectManagement/jsp/submitPs.jsp?team=alpcl2500`. The page has a header "Alpha Projects" and a user "hi , vikrant@3". The form fields are:

- Domain:
- Problem Statement:
- Description:
- 

The deadline is listed as `#deadline : 2020-11-26`.

## Different teams with status



A screenshot of a web browser showing two team profiles side-by-side.

**Team Name - hulk**

- Subject - java
- Project name - library management
- Team Code - hullib2340
- Status - Problem Statement Accepted
- Marks - 100
- Suggestion - good carry on

**Team Name - alpha**

- Subject - java
- Project name - clinivex
- Team Code - alpcl2500
- Status - Problem Statement Submitted

Contact Us



## **INSTRUCTOR View**

### Assigned projects

The screenshot shows a web browser window with the URL [localhost:8080/projectManagement/jsp/instructorHome.jsp](http://localhost:8080/projectManagement/jsp/instructorHome.jsp). The page title is "Assigned Projects". There are three main sections, each representing a project:

- Subject Name - data structure**
  - Teams Enrolled - 2
  - Project start date - 2020-11-23
  - Problem statement deadline date - 2020-11-28
  - Code submission deadline date - 2020-12-31
- Subject Name - java**
  - Teams Enrolled - 4
  - Project start date - 2020-11-24
  - Problem statement deadline date - 2020-11-26
  - Code submission deadline date - 2020-11-30
- Subject Name - skjdbkjsdkfjs**

### Review project

The screenshot shows a web browser window with the URL [localhost:8080/projectManagement/jsp/instructorHome.jsp](http://localhost:8080/projectManagement/jsp/instructorHome.jsp). A modal dialog box is open, titled "Projects For Review", showing the details of a single project:

Team Name - vaibhav	
Subject - OS	
Project name - system call implementation	
Team Code - vaisys388	
Status - Problem Statement Accepted	
Marks - 200	
Suggestion - no	

At the bottom left of the main content area, there is a "Contact Us" section with links to GitHub and Gmail.

## Menu for instructor

Home    +    localhost:8080/projectManagement/jsp/instructorHome.jsp

Alpha Projects    Menu

- + Add Subject
- + Assign Project
- Update Deadline

Subjects

Subject Name - data structure

Teams Enrolled - 2

Project start date - 2020-11-23

Problem statement deadline date - 2020-11-28

Code submission deadline date - 2020-12-31

Subject Name - java

Teams Enrolled - 4

Project start date - 2020-11-24

Problem statement deadline date - 2020-11-26

Code submission deadline date - 2020-11-30

Subject Name - skjdbkjsdkfjs

## Add subject

Home    +    localhost:8080/projectManagement/jsp/instructorHome.jsp

Alpha Projects    Menu

Assigned Projects

Add subject

Subject name

Subject code

Add

Subject Name - data structure

Teams Enrolled - 2

Project start date - 2020-11-23

Problem statement deadline date - 2020-11-28

Code submission deadline date - 2020-12-31

Subject Name - java

Teams Enrolled - 4

Project start date - 2020-11-24

Problem statement deadline date - 2020-11-26

Code submission deadline date - 2020-11-30

Subject Name - skjdbkjsdkfjs

## Assign project

A screenshot of a web browser showing the 'Assign project' dialog box. The dialog box is centered over a background page titled 'Assigned Project'. The dialog contains fields for 'Subject' (set to 'data structure 170003'), 'Project starting date' (calendar icon), 'Problem statement deadline' (calendar icon), and 'Code Submission deadline' (calendar icon). A blue 'Assign' button is at the bottom.

## Upload Deadline

A screenshot of a web browser showing the 'Update Deadline' dialog box. The dialog is centered over a background page titled 'Assigned Project'. It has a red error message box stating 'Add date to required fields , Rest field are not required to be filled..'. The dialog contains fields for 'Subject' (set to 'data structure 170003'), 'Project starting date' (calendar icon), 'Problem statement deadline' (calendar icon), and 'Code Submission deadline' (calendar icon). A blue 'Update' button is at the bottom.

## Status

The screenshot shows a web browser window with the URL [localhost:8080/projectManagement/jsp/instSubjectTeams.jsp?subjectCode=140002](http://localhost:8080/projectManagement/jsp/instSubjectTeams.jsp?subjectCode=140002). The page displays two team profiles:

- Team Name - alpha**
  - Subject - java
  - Project name - clinivex
  - Team Code - alpcl2500
  - Status - Problem Statement Submitted
- Team Name - hulk**
  - Subject - java
  - Project name - library management
  - Team Code - hullib2340
  - Status - Problem Statement Accepted
  - Marks - 100
  - Suggestion - good carry on

## Problem statement acceptance/rejection

The screenshot shows a web browser window with the URL [localhost:8080/projectManagement/jsp/pstApprover.jsp?team=alpcl2500](http://localhost:8080/projectManagement/jsp/pstApprover.jsp?team=alpcl2500). The form is for team **etherum**:

Name of Student: vikrant      Enroll no.: vikrant@3

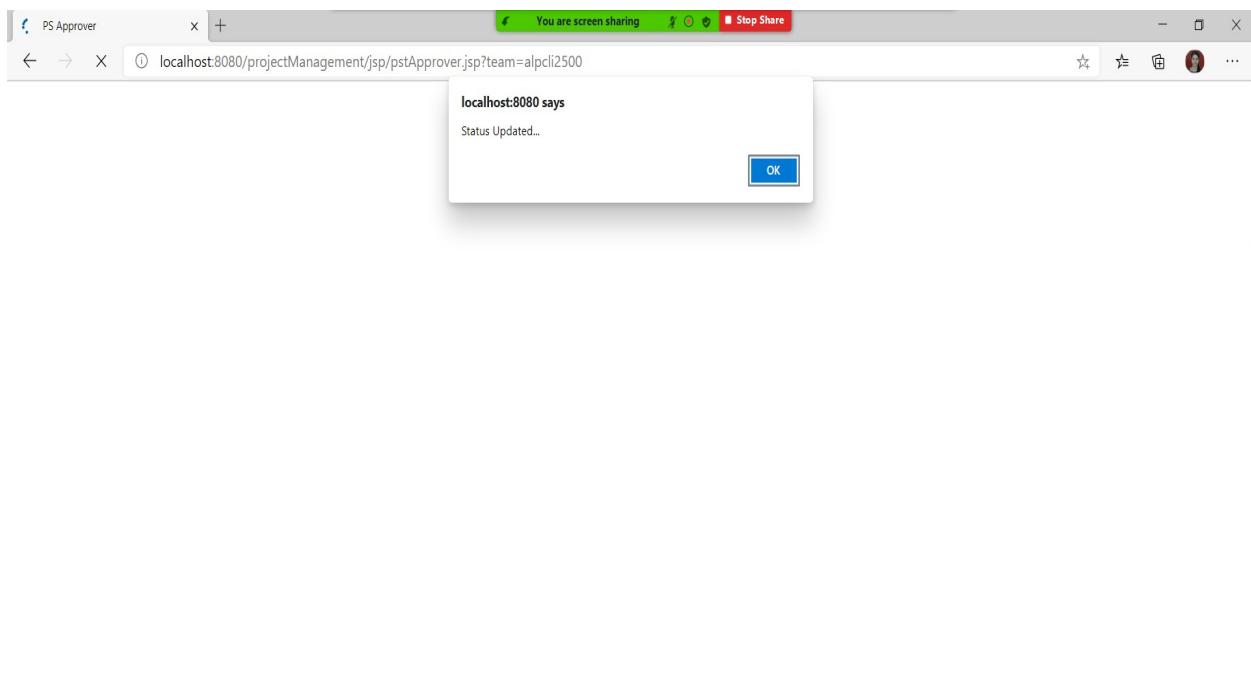
Problem Statement Description:  
voiting system

I have verified your problem statement you can further proceed with your statement  
 YES  NO

Suggestion :  
...

**SUBMIT**

After successful gives the message



## Status

A screenshot of a web browser window titled "Home". The address bar shows the URL "localhost:8080/projectManagement/jsp/stdHome.jsp". The page displays project details for two teams:

Team Name	Subject	Project name	Team Code	Status	Marks	Suggestion
alpha	java	library management	hullib2340	Problem Statement Accepted	100	good carry on
beta	java	clinivex	alpcl2500	Problem Statement Accepted	stmt	nice stmt

The "alpha" team section is highlighted with a green border. At the bottom of the page, there is a dark footer bar with "Contact Us" and social media links for Github and Gmail, and a "Talking:" status indicator.

## Abstract Submission

You are screen sharing Stop Share

localhost:8080/projectManagement/jsp/afterApprove.jsp?team=alpcl2500

Problem Statement Submission #deadline : 2020-11-30

Domain:  
blockchain

Problem Statement:  
etherum

Description:  
voting system

Abstract:  
 Choose file

Submit

## Validation

You are screen sharing Stop Share

localhost:8080 says  
Invalid file type

OK

localhost:8080 says

localhost:8080 says Invalid file type

OK

Problem Statement Submission #deadline : 2020-11-30

Domain:  
blockchain

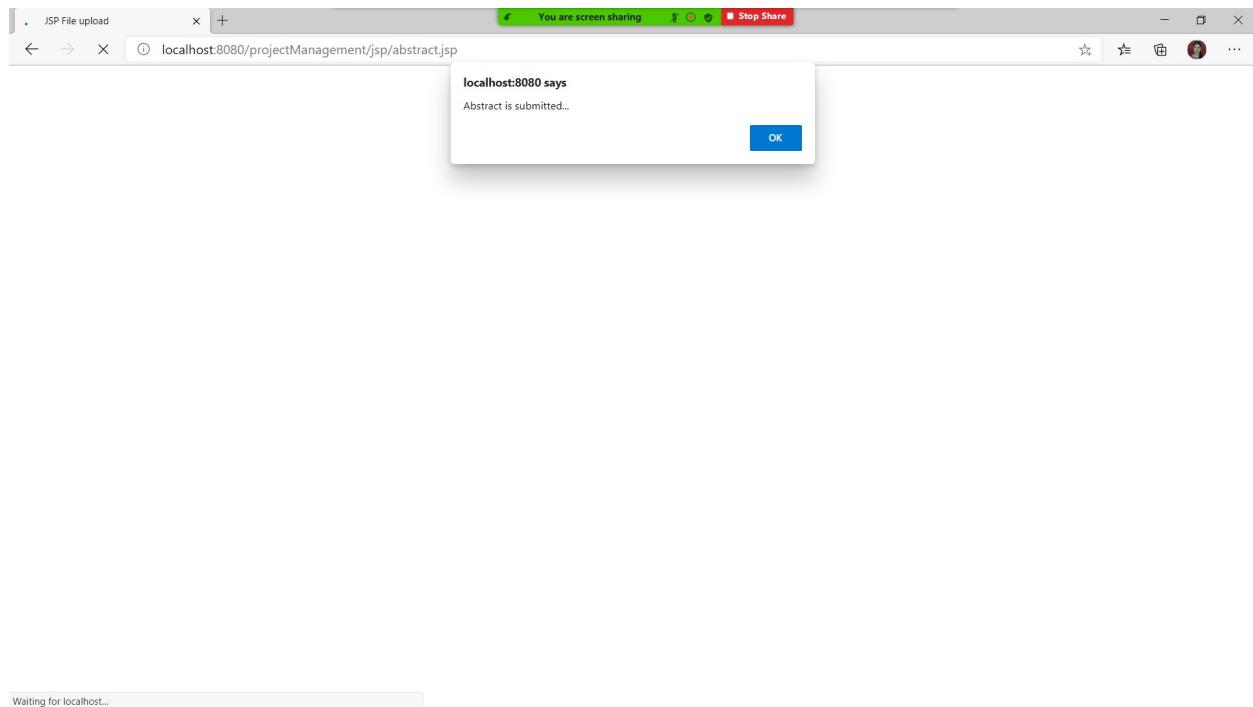
Problem Statement:  
etherum

Description:  
voting system

Abstract:  
 Choose file

Submit

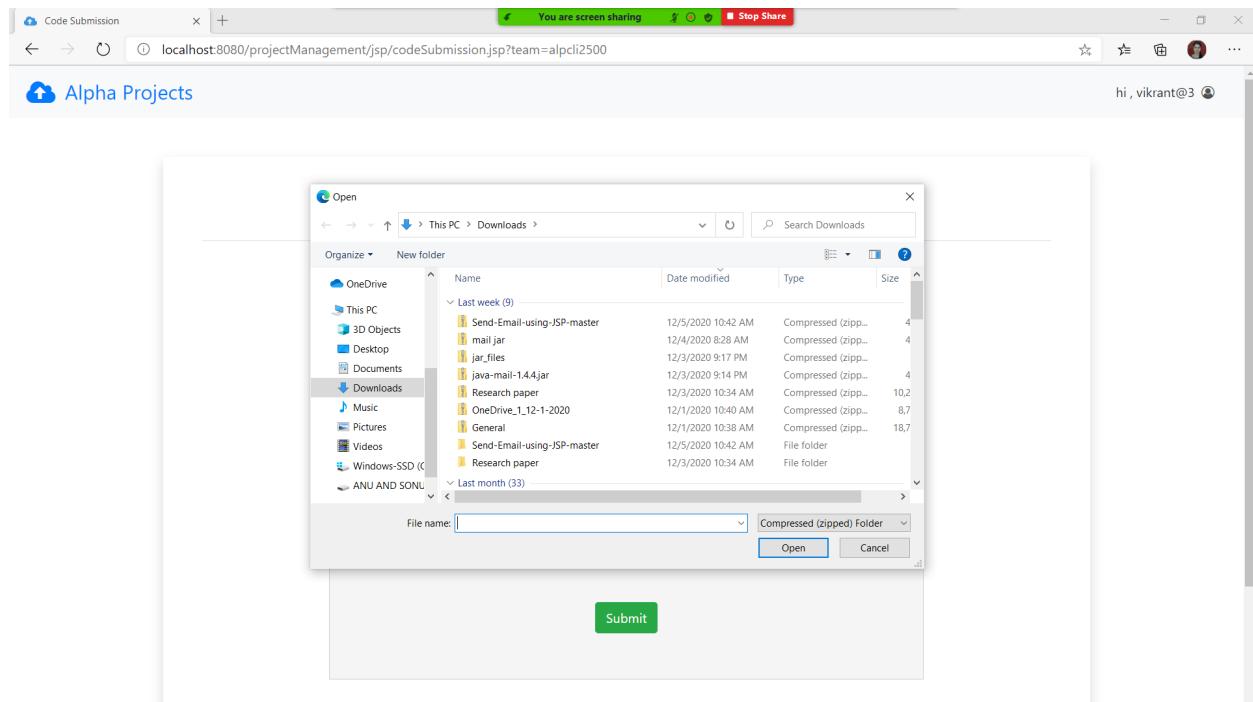
## After submitting abstract



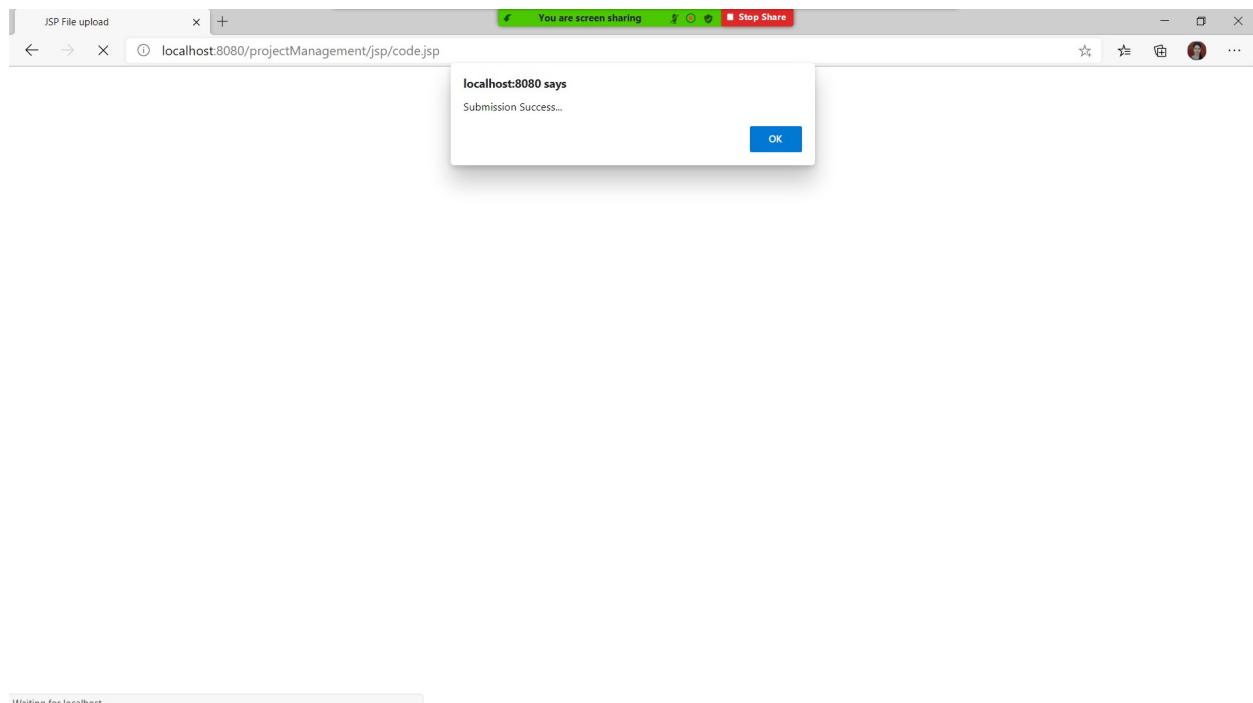
## Code submission

A screenshot of a web browser window titled "Code Submission". The address bar shows "localhost:8080/projectManagement/jsp/codeSubmission.jsp?team=alpcl2500". The page header includes the "Alpha Projects" logo and the user "hi , vikrant@3". The main content is a "Code Submission" form with a deadline of "2020-11-30". The form has three sections: "Upload Code", "Upload Output", and "Project Report", each with a "Choose file" input field and a "Browse" button. Below the form is a green "Submit" button.

## Choosing file



## After submission



You are screen sharing Stop Share

localhost:8080/projectManagement/jsp/viewProject.jsp?team=alpcl2500

hi , ironman@3

## etherum

[Download Project Code](#)

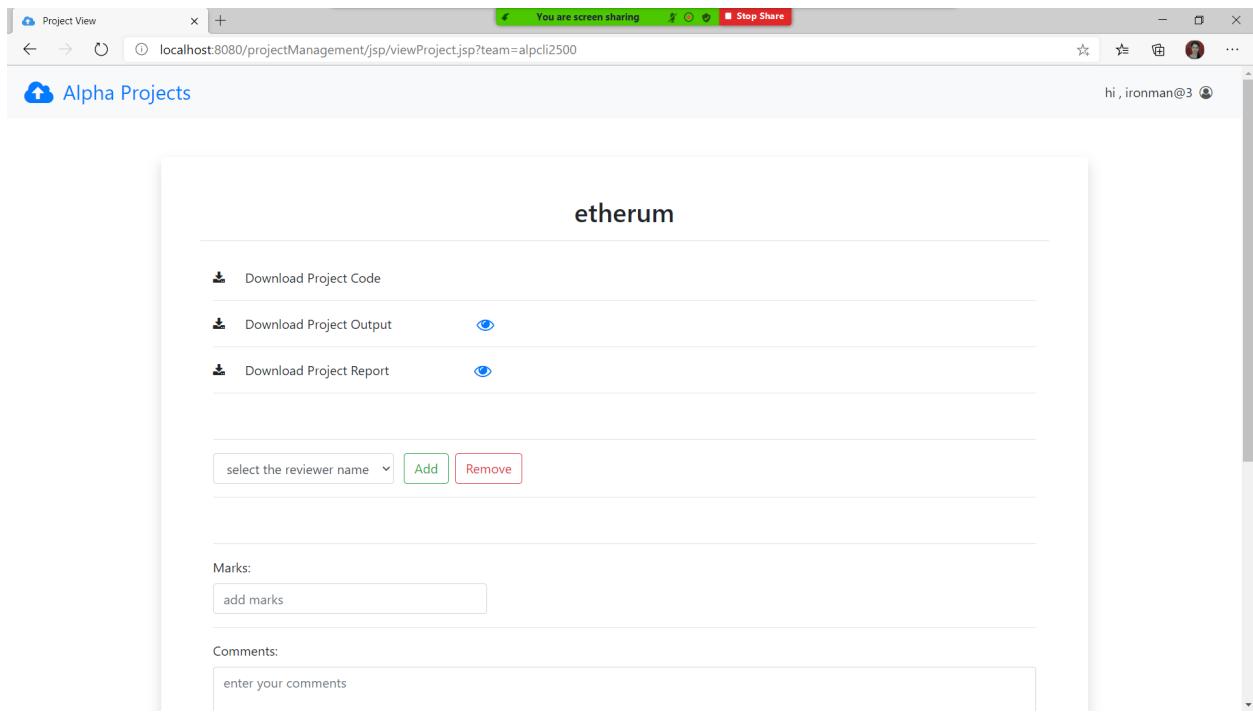
[Download Project Output](#)

[Download Project Report](#)

select the reviewer name

Marks:

Comments:



You are screen sharing Stop Share

localhost:8080/projectManagement/jsp/viewProject.jsp?team=alpcl2500

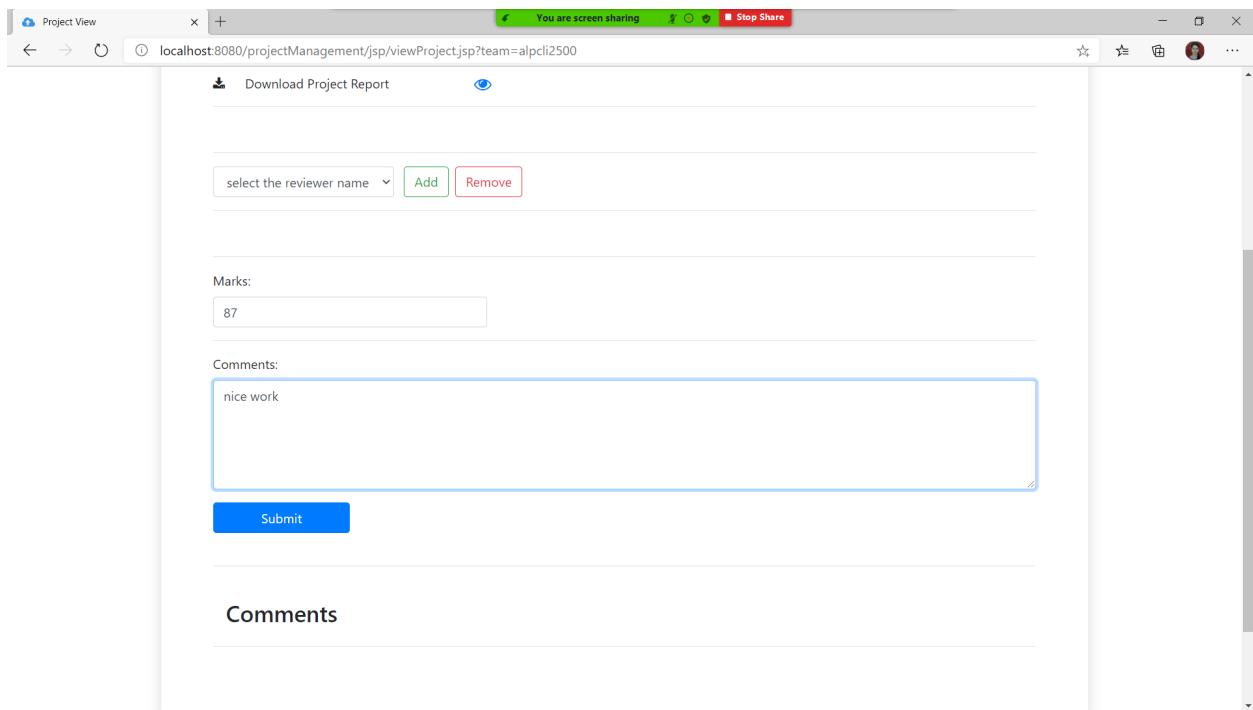
[Download Project Report](#)

select the reviewer name

Marks:

Comments:

### Comments



You are screen sharing Stop Share

Marks:

Comments:

Submit

---

### Comments

 tony stark  
very good  
2020-11-26 22:03:05

Contact Us : [Github](#) [Gmail](#)

You are screen sharing Stop Share

**Team Name - IronMan**

Subject - java
Project name - coding by voice
Team Code - Ircod9593
Status - Problem Statement Accepted
Marks - 100
Suggestion - good one

**Team Name - thor**

Subject - java
Project name - coding by voice
Team Code - thocod3600
Status - blank Marks - not added

Contact Us  
[Github](#) [Gmail](#)

## Year wise projects

The screenshot shows a web browser window with the title 'YearWiseProject'. The address bar displays 'localhost:8080/projectManagement/jsp/YearWiseProject.jsp'. The main content area is titled 'Projects' and contains a message: '\* There are total 5 projects in our system'. Below this, there is a list of five projects:

Name	Date
Os	2020-11-19
implementing simple system call	
<a href="#">View Project Report</a>	
test	2020-11-23
sdfsdf	
<a href="#">View Project Report</a>	
MI	2020-11-23
svdjsdfjhgsdf gsdfgskd f	
<a href="#">View Project Report</a>	
Ai	2020-11-24

## 4.6 Test Case Design-

### 1. Email Test Case-

Activities Firefox Web Browser Dec 14 16:01 Alpha Projects - Mozilla Firefox

Alpha Projects Student Instructor Login Sign Up

Student Username: va

Enrollment Number: vijay@37

Class: FE

Student Name: vijay chauhan

Email address: vijay

Phone number: 9988775566 Enter valid email address

We'll never share your email with anyone else.

Browse projects

Firefox Home Mail Chat File Manager FZ Notepad Paint Adobe Photoshop Adobe Illustrator Adobe Premiere Pro Spotify

### 2. Username Test Case -

Activities Firefox Web Browser Dec 14 16:01 Alpha Projects - Mozilla Firefox

Alpha Projects Student Instructor Login Sign Up

Student Username: va Please use at least 6 characters (you are currently using 2 characters).

Enrollment Number: vijay@37

Class: FE

Student Name: vijay chauhan

Email address: vijay

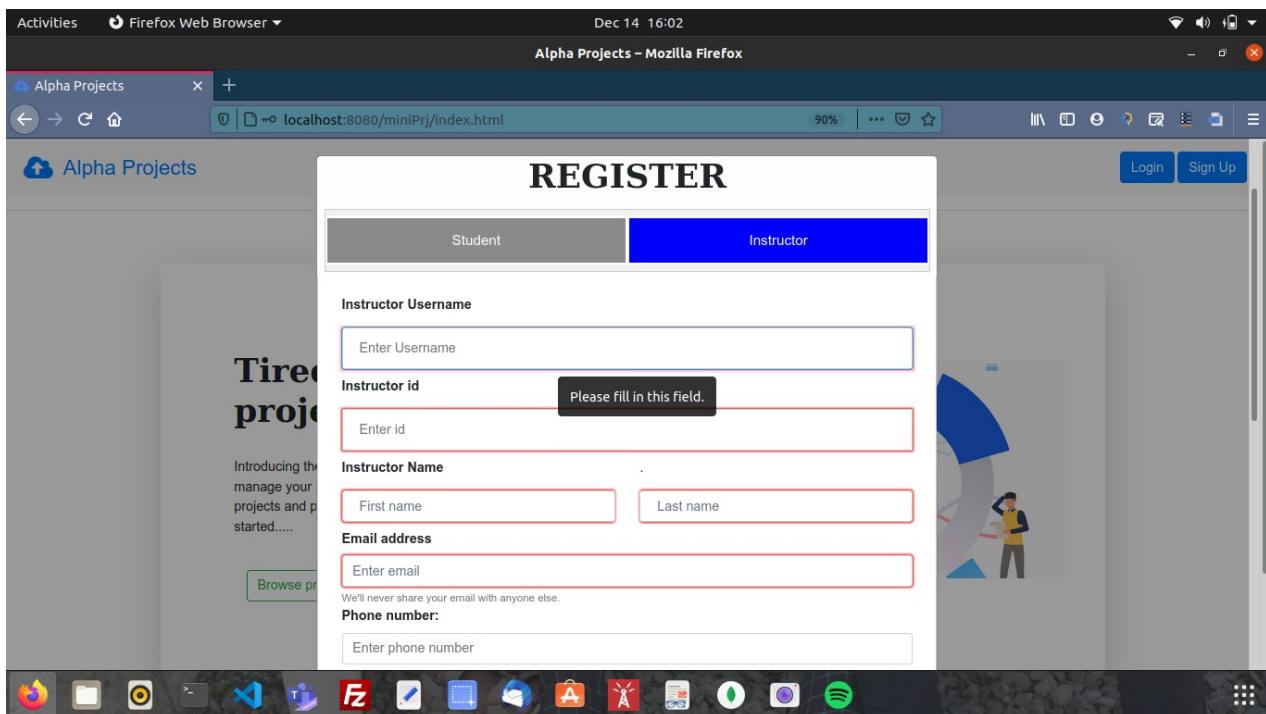
Phone number: 9988775566

We'll never share your email with anyone else.

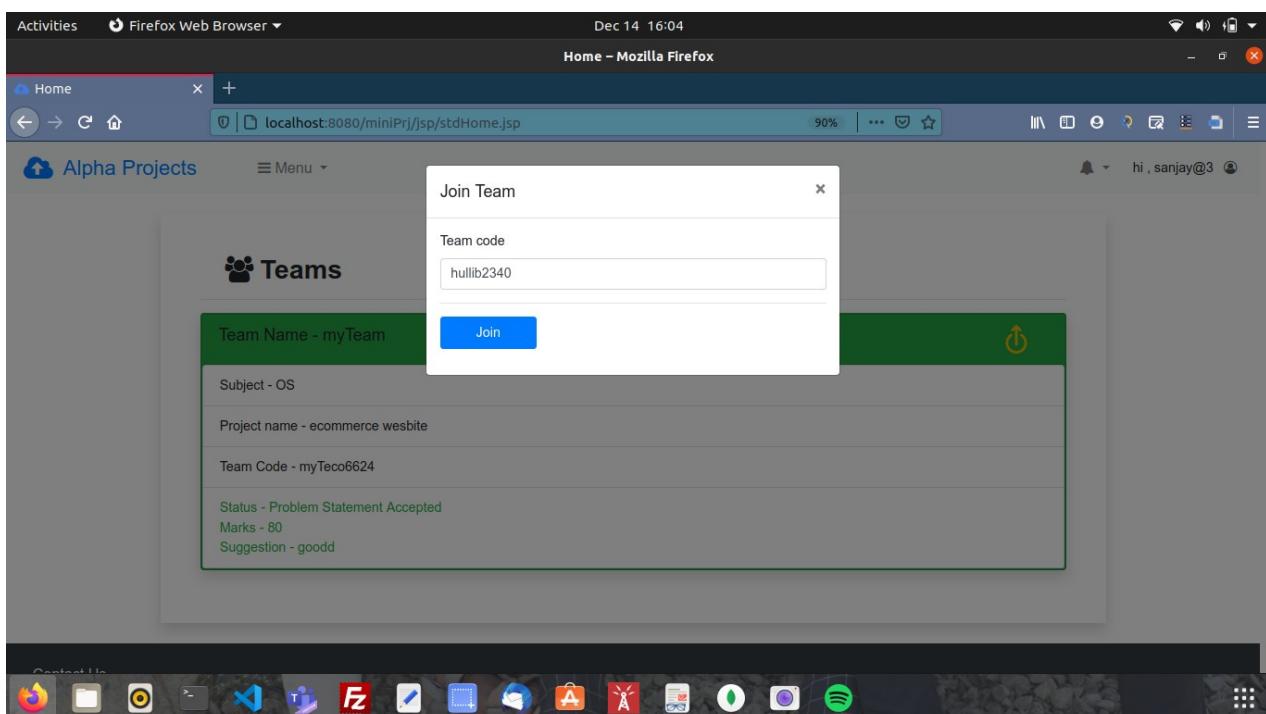
Browse projects

Firefox Home Mail Chat File Manager FZ Notepad Paint Adobe Photoshop Adobe Illustrator Adobe Premiere Pro Spotify

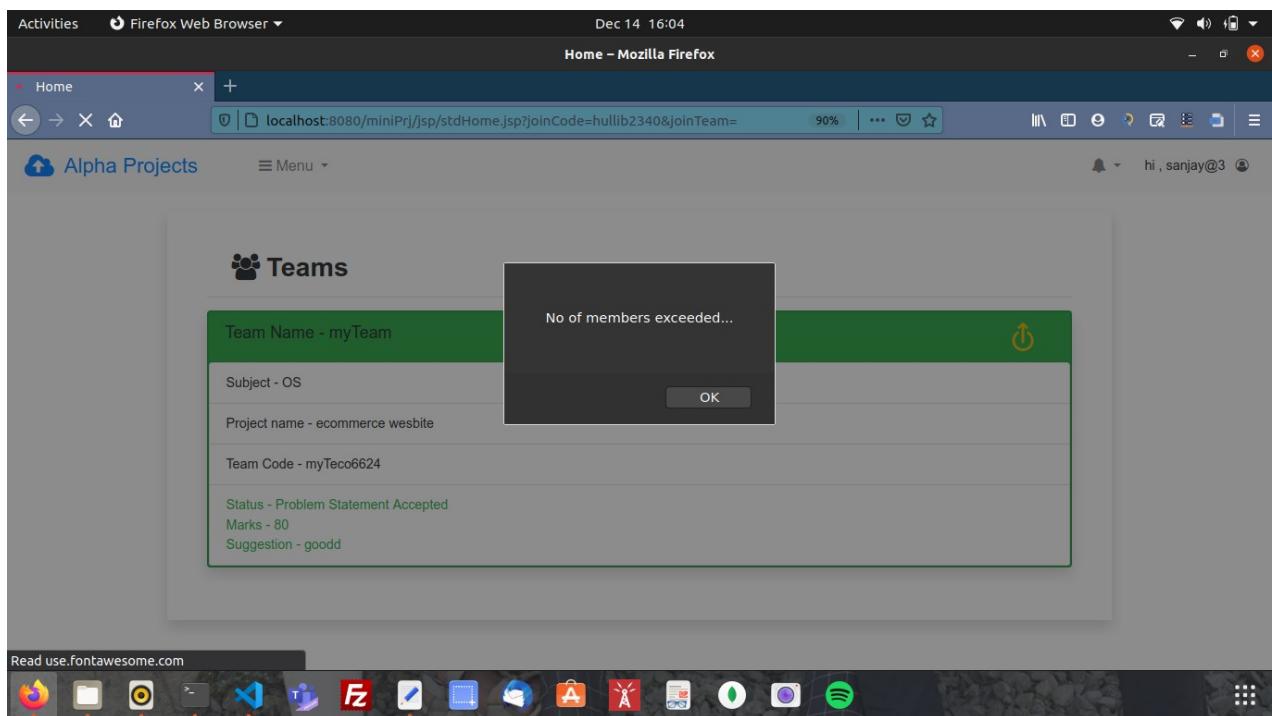
### 3. Registration Test Case -



### 4. Teamcode join Test Case -



## 5. Member Extended Test Case -



## **CHAPTER 5**

### **System Implementation**

#### **5.1 Concepts used**

- MySQL -(DATABASE BACKEND)
- HTML, Bootstrap, CSS -(FRONT END)
- JSP -(CONNECTIVITY)
- Triggers, PROCEDURES and Function etc.

#### **5.2 Future Work / Extension**

For Project Management System, there need of version control so that team members can handle project changes. Thats why we have to implement version control in future scope. And gives the authority of particular team to that instructor and reviewer.

#### **5.3 System Verification and Testing(Test case Execution)**

Test case 1:

Error message appears when you login with incorrect details.

Test case 2:

When you click on the add new team option a new add team added

Test case 3:

Pop up message appears when you extend the number of members.  
“No of members extended” message appears.

Test case 4:

Pop up message appears when Submission of abstract, code and report is uploaded. “Submission Successfully” message appears.

## **5.4 Conclusion**

Thus we have successfully implemented college Project Management System which is useful for teachers as well as students , for students as it provides a platform for them to work collaboratively on given group projects and the grading functionality enables teachers to mark accordingly. We have successfully implemented various functionalities of mysql and jsp and created the fully functional database management system for Project management.

## **REFERENCES**

- Bootstrap Document
- Stackoverflow.com
- Javapoint.com
- W3schools