

Software Management System

A PROJECT REPORT

Submitted by

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In partial fulfillment for IWT (01CT0408) Project

Sem – 4th

Degree ENGINEERING

in

Information and Communication Technology Engineering



Faculty of Technology

Marwadi University, Rajkot

Information and Communication Technology

2021-22

CERTIFICATE

This is to certify that the project entitled **software management system** has been carried out by **Pushti Subhashbhai Depani(92000133018)** under my guidance in partial fulfillment of the degree of Diploma Engineering in Information and Communication Technology (4th Semester) of Marwadi University, Rajkot during the academic year 2021-22.

Date : 01-04-2022

Internal Guide

Head of the Department

Prof. Kapil Shukla

Head of Department

Assistant Professor

ICT Engineering

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Acknowledgment

I would like thank gratitude to the guide who gave proper guidance to complete this Project and also thankful to other faculties who allowed me to do this project.

Abstract

This portal is based on the software management. In which there are many pages and functions. Here students can submit their work and projects, also they can have discussion with their friends and ask for help. Faculty can see the submission and grade them.

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1. Introduction

1.1 Document Purpose

The purpose of this document is to describe the project in brief. So whoever reads the document can identify that what the project is all about, how it is useful for the people. It includes the purpose, scope, target audience, design, main component design.

1.2 Product Scope

This project is helpful for the students and teachers. The teachers can easily track the records of students and the work done by them.

1.3 Target Audience

This document is target to faculties and student stakeholders:

It is useful for faculties and student by:

1. Project status.
2. Project selection.
3. Work status.
4. Submission
5. Grades

1.4 Acronyms/Abbreviations

Abbreviation:

- PHP
- SQL

1.5 Document Conventions

Use Calibri font size 11, or 12 throughout the document for text. Document text should be single-spaced and maintain the 1" margins found in this template.

1.6 System Environment

- Database Management: MySQL Workench:
- Database: MySQL 5
- Server: localhost

1.7 References and Acknowledgments

I would like to express my special thanks of gratitude to my faculties as well as my classmates who gave me the golden opportunity and support to do this wonderful project on the topic software management system, which also helped me in doing a lot of Research and i came to know about so many new things.

This is used to design the layout:

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

To check Plagiarism:

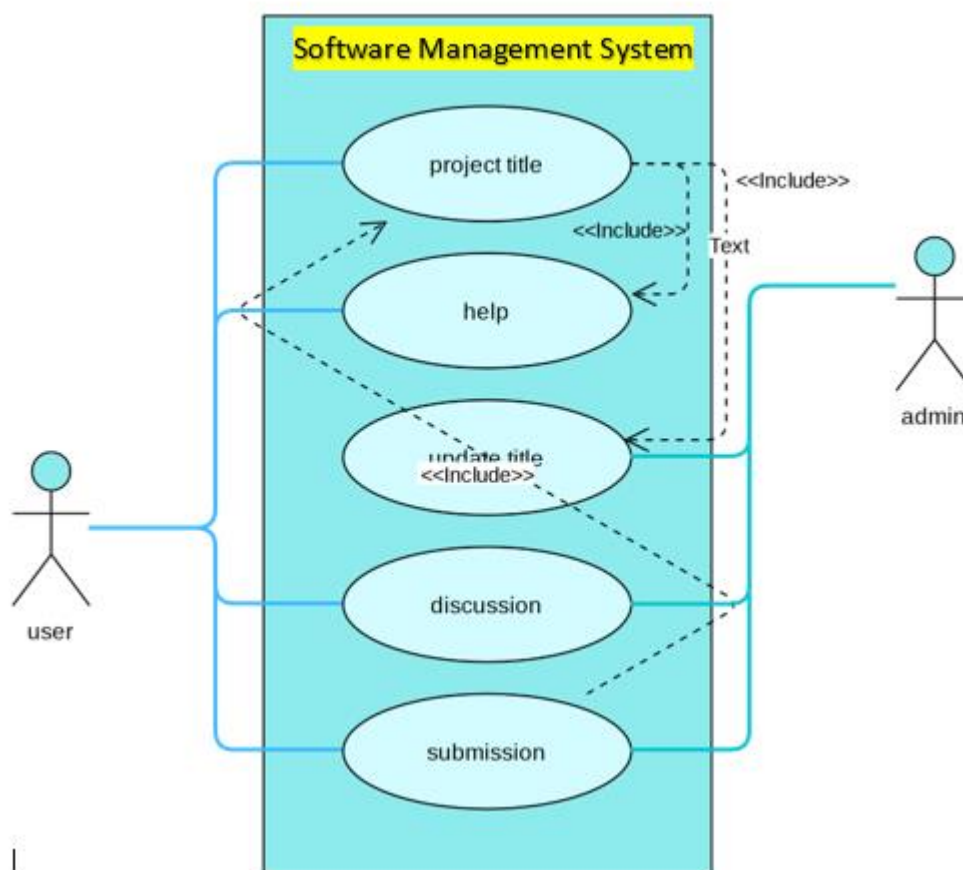
<https://www.check-plagiarism.com/>

2. System Design Considerations

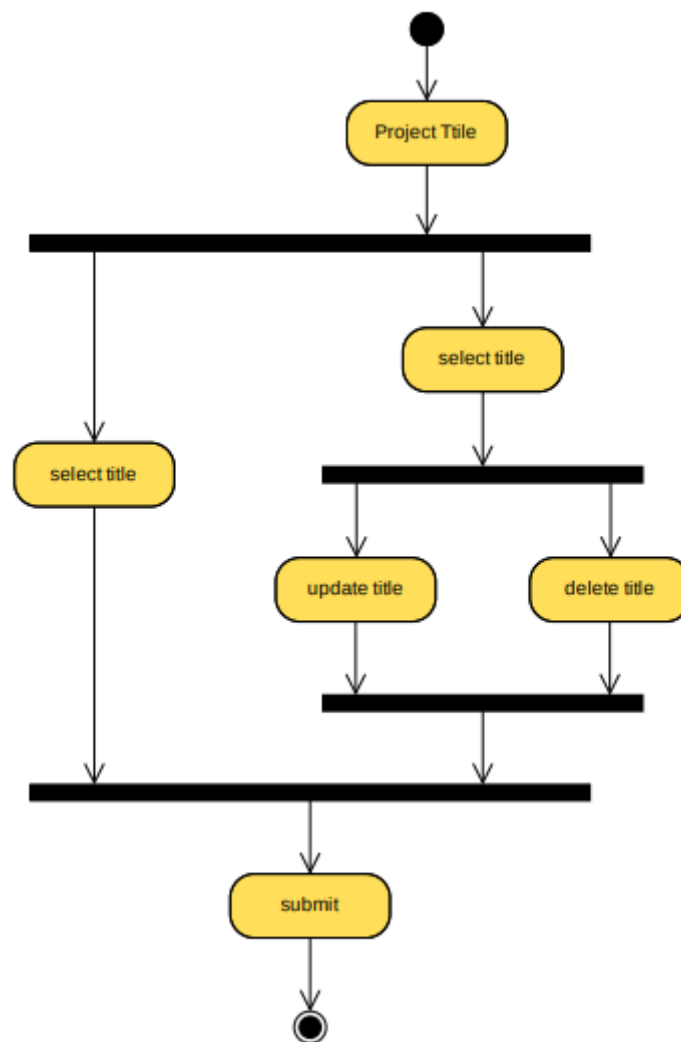
2.1 Exception Handling

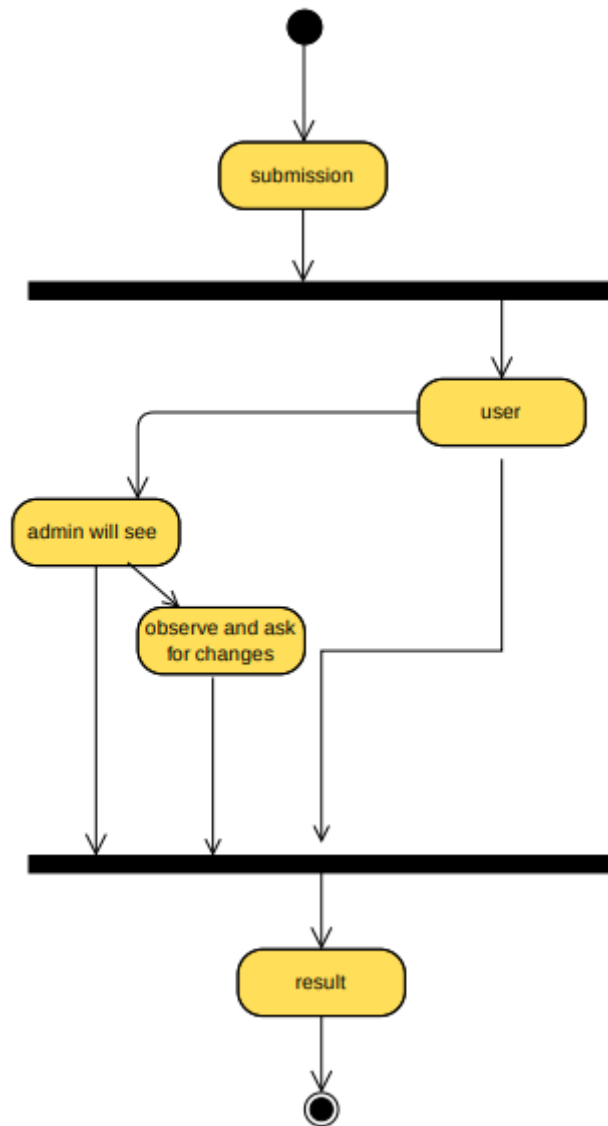
A nice way to track exception is to implement an exception handler. This will allow consolidation of the notification of the exception handling. This would redirect the users of the website to a friendly error page that tells them that something has gone wrong and instructions on what to do. And a pop up will be shown.

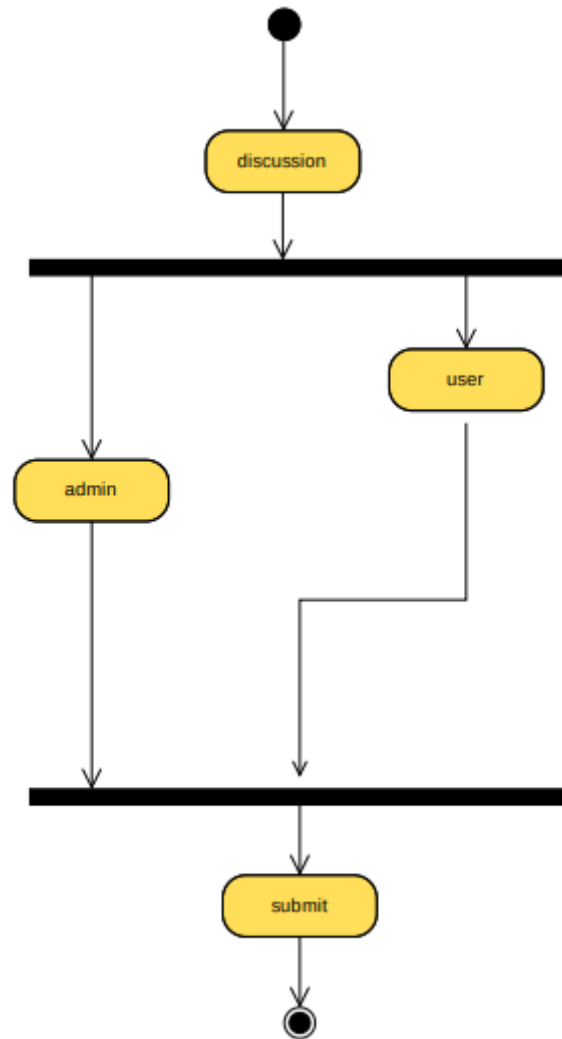
3. Use Case Diagram



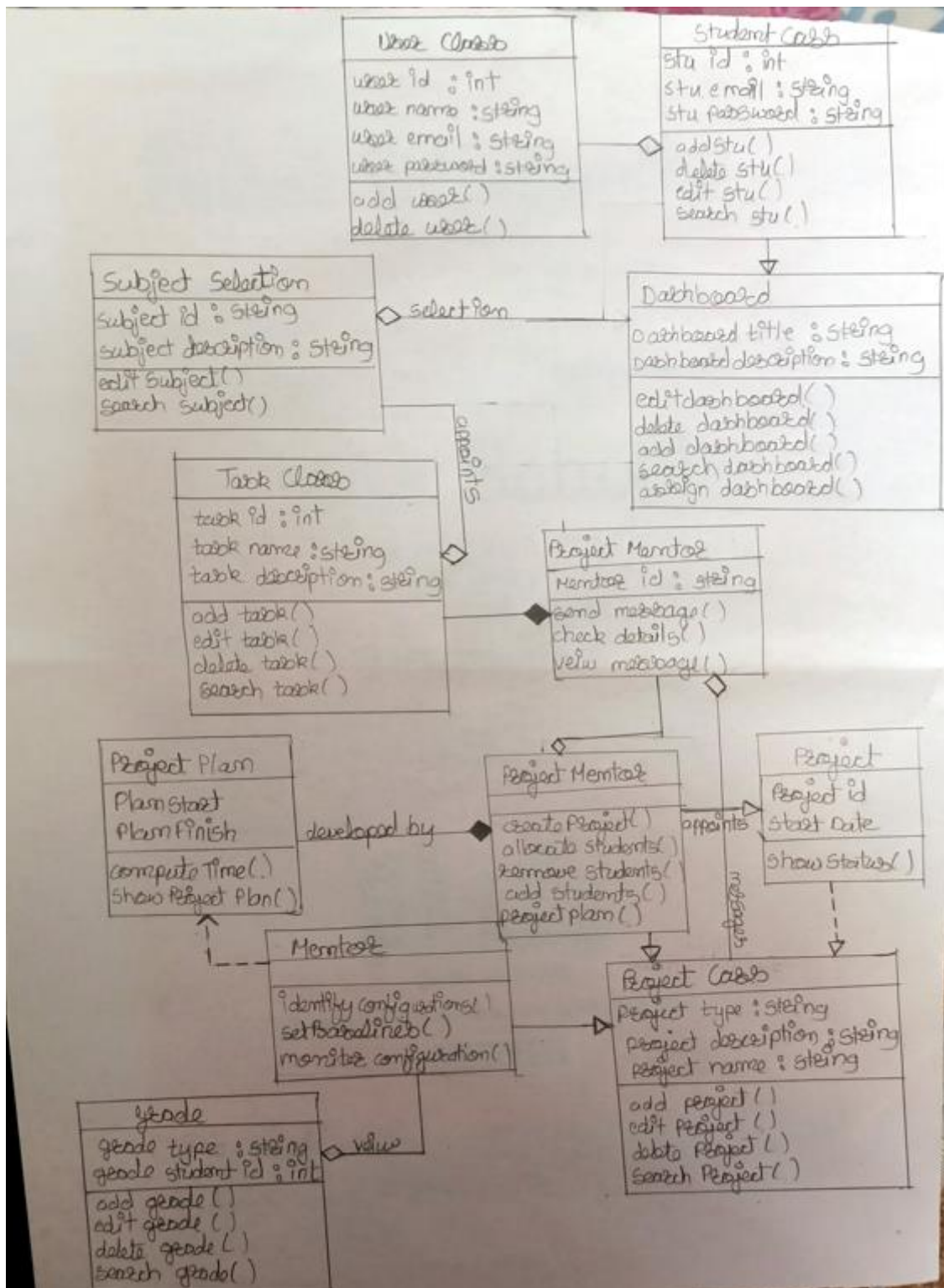
4. Activity Diagram



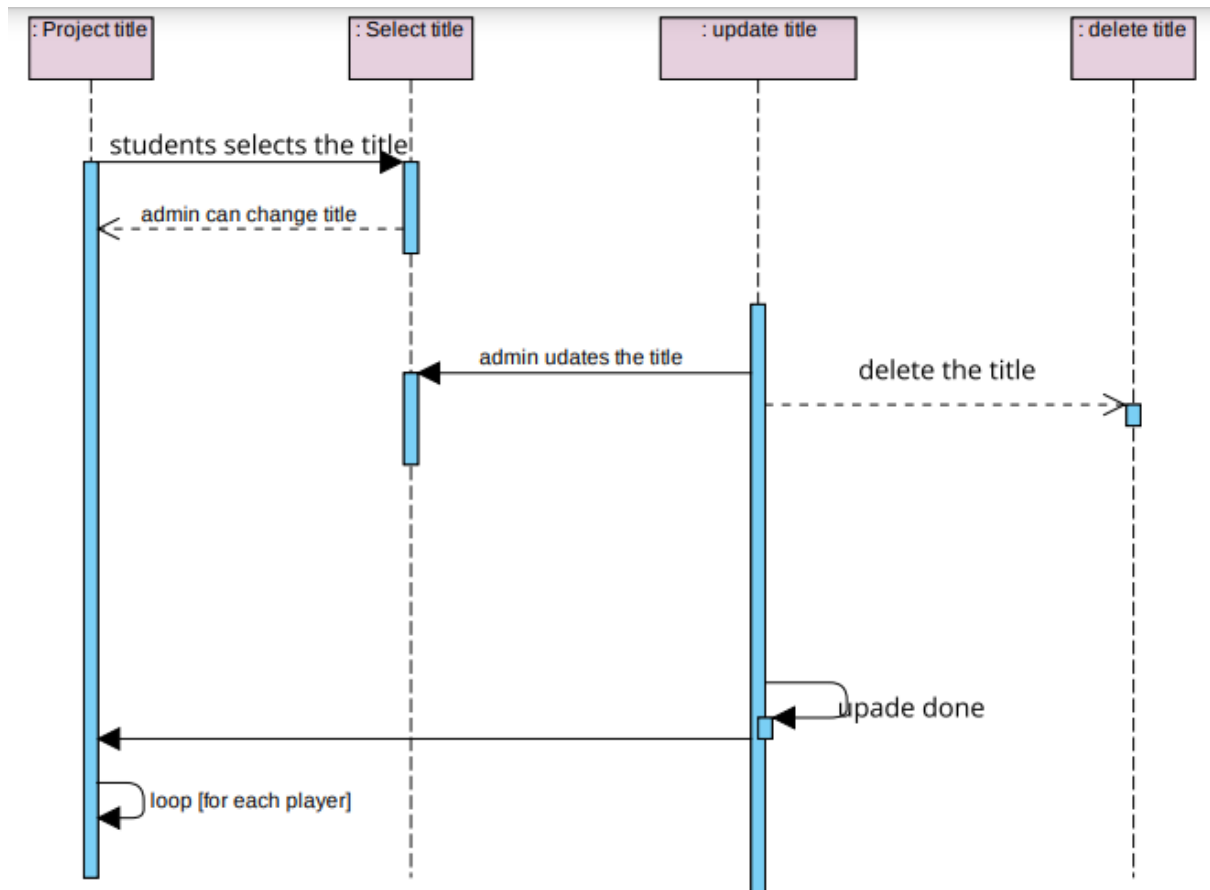


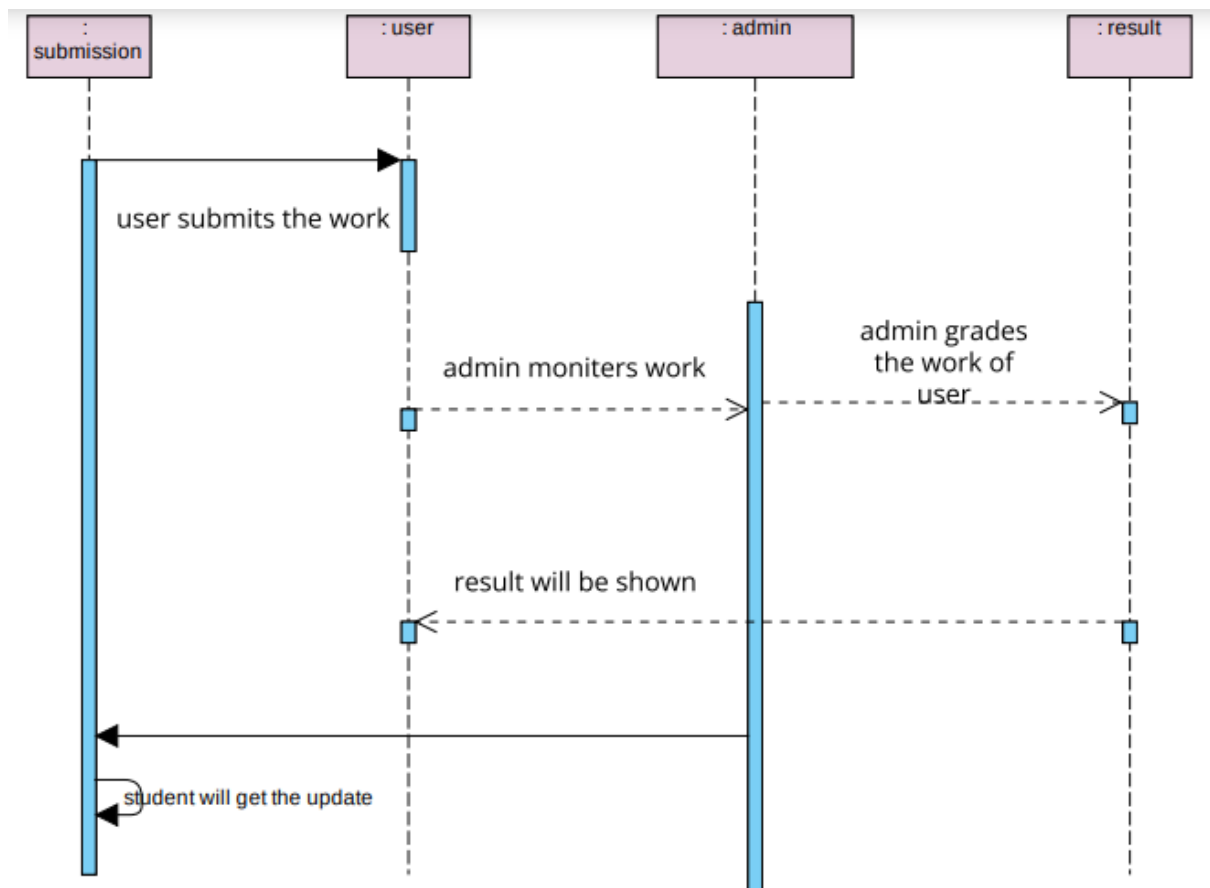


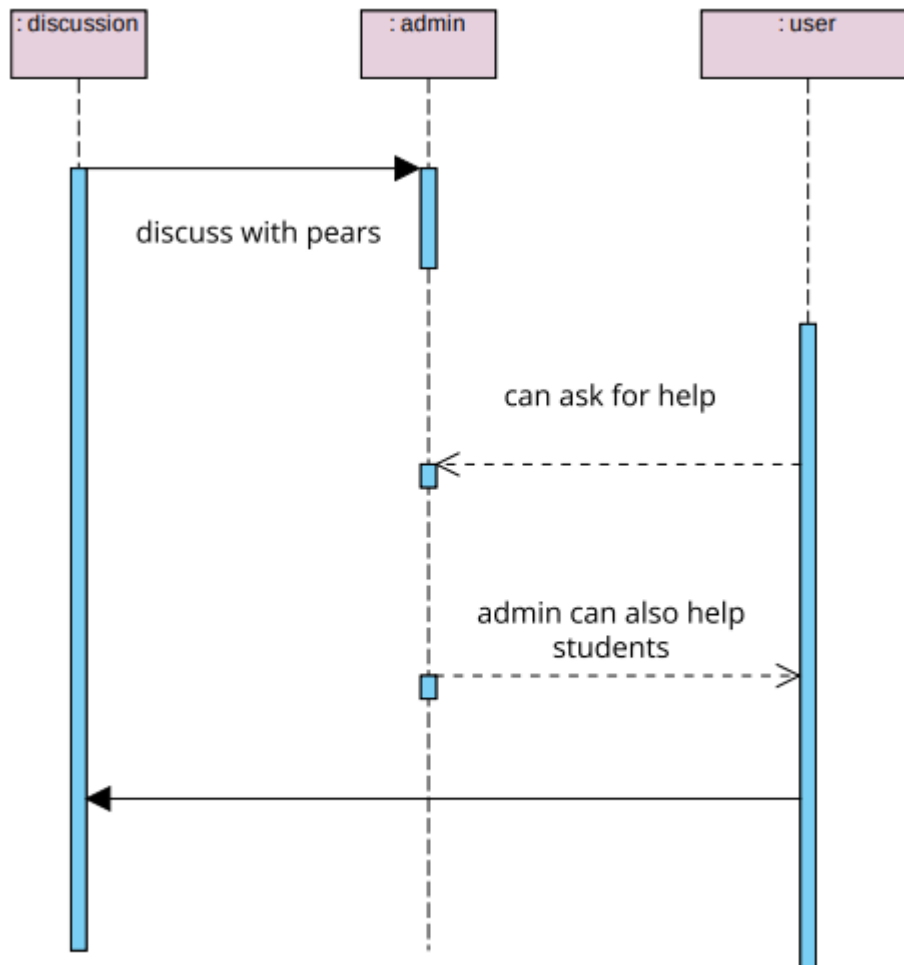
5. Class Diagram



6. Sequence Diagram







7. Overall Description

7.1 Product Perspective

This project is basically for the students and teachers where after the login student can choose their topic for project and then need to regularly update it so the teacher will come to know about the progress. Also if students need help then they can also ask for help and can also discuss with their friends in the discussion. By this teacher will get all the records of project. At last students need to upload their work so accordingly they can be graded so this way the work of teachers will be reduced. They need to upload the work in the given format and the it will be updated in the database with the user name. Also the IA components will be specified and the submitted work can be downloaded and so further it is usefull for the grades.

7.2 Product Functionality

- When the user enters the website the login page is shown.

- After that they will be directed to the dashboard where all the subjects will be displayed.
- When we click on any subject we can see the project topic which we have selected
- In the help section one can ask for the help and the mail of the query will be sent to the admin.
- If any of the student want to discuss with their friends or faculties then he/she can use discussion room where they can discuss it.
- After the work is completed user needs to submit the work in the given format and then the admin will be able to see the submission of all the users and will grade accordingly.

7.3 Users and Characteristics

- Users can view all the subjects and the topic they have selected.
- Admin can view all the subjects and the topics that are selected by all the students.
- If they want to discuss anything then also they can do it or can ask for help.
- At last they need to upload the work in the asked format so it can be graded.

7.4 Operating Environment

The operating environment for website using PHP and SQL is as listed below.

- Operating System: Windows
- Tools: Visual Studio Code.
- Language: PHP, HTML, CSS, SQL
- Framework : Database

7.5 Design and Implementation Constraints

We need to store all the database and their information so we have used SQL as it will be easy in that and designed it with PHP.

7.6 Assumptions and Dependencies

If the Users are not filling correct email id and password then they will get an alerting box "please enter correct email".

8. Specific Requirements

8.1 External Interface Requirements

8.1.1 User Interfaces

- So basically the user needs to login if they already have an account or else need to register and then login.
- After doing that he/she will be directed to dashboard where he can see all the subjects, after that he/she needs to select the topic and the subject with the faculty name allocated.
- Then he can see the topic selected in particular subject icon.
- The admin can see all the records that are selected by students. Also admin can add new subjects and add task for the submission, deadline will be given for a particular task and if not submitted on time it will be considered as late accordingly marks will be given.
- Also there will be different components assigned to the students for their IA, CSE, TW, etc. so accordingly they can do the submission.
- As soon as the user submits work separate folder will be created with the subject name and inside that user names folder will be also created and inside that submission will be done. So this way it is easy to find the submitted work.

- After the marks are given mail will be send that the assessment is done and the user will be notified accordingly.
- Discussion room will be there where all the users and also the admin can have interaction and if any discussion is to be done then it can be done over here.
- If any of the student is facing difficulty then he/she can ask for help. There is a separate section named help where he can write the difficulty and then it will be send to the admin and then the faculty will be able to help them.
- Also a section named discussion is provided where students can discuss with their friends or faculties and can solve the problem that they are facing. This can be like a group discussion.
- At last the user needs to upload the work done by them, they will be given the format and in that particular format submission should be done.
- All the work submitted will be seen by the admin in the format of file submitted, name of the user and the id.
- This how the user can be graded by the admin by examining the work. The submitted work can be downloaded if required by the user or admin.

8.1.2 Software Interfaces

Operating system:-

- Windows

Tools:-

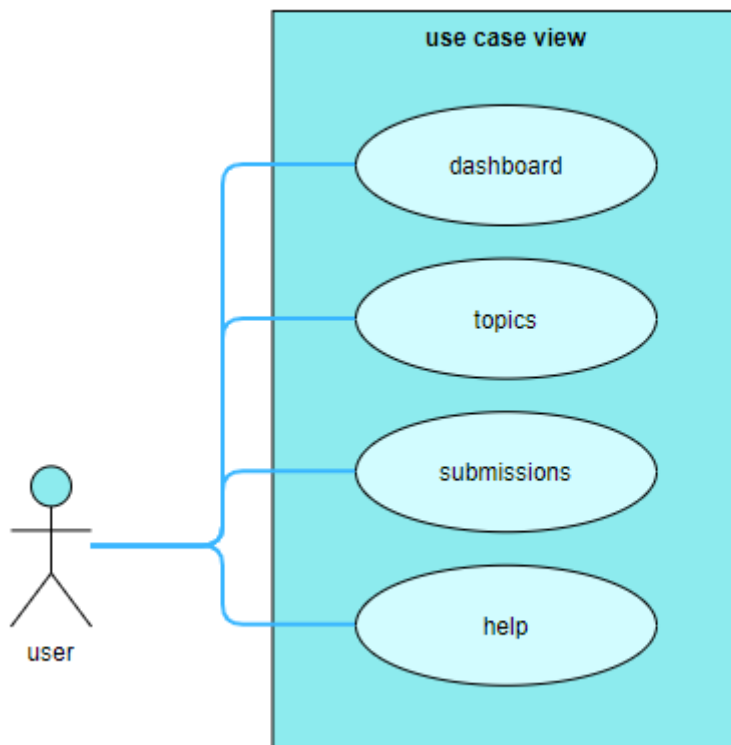
- MySQL
- Visual studio code
- PhpMyadmin

8.2 Functional Requirements

- When the user login and if there is no data existing in the database then it will show as login failed. So one need to write correct details and if one has forgotten password then he/she can generate a new password and a mail will be send on a given email id.

8.3 Behaviour Requirements

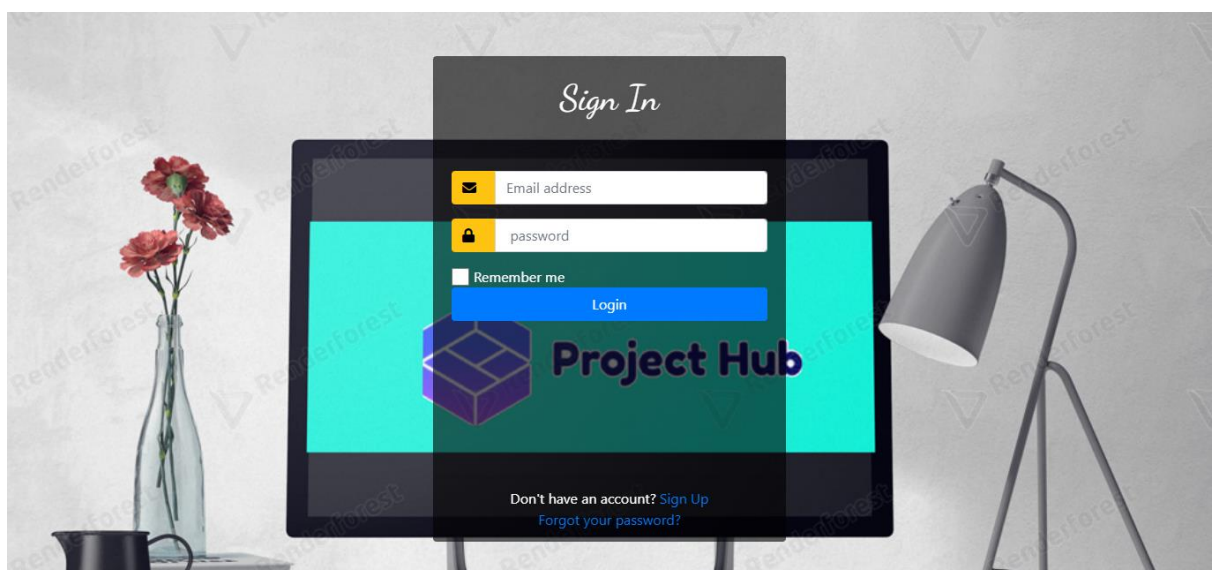
8.3.1 Use Case View



9. User Guide Document

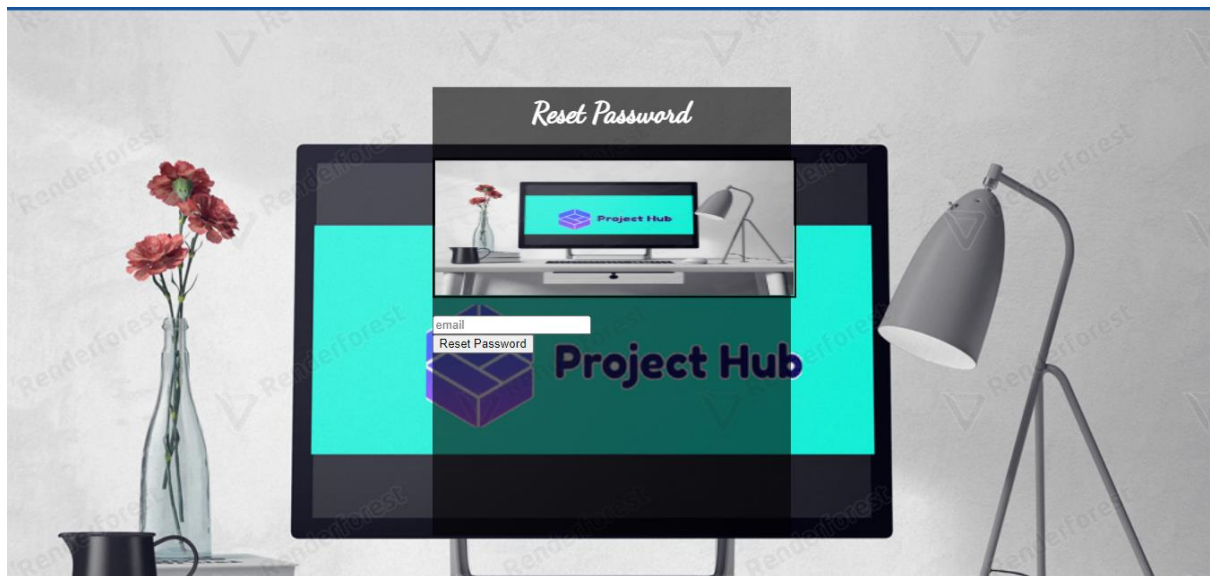
9.1 Login

The access to the application is restricted to authorized users only, each user should know his user name and password. Any user must be authenticated to be able to use the application . Login is the first page displayed when you access the application



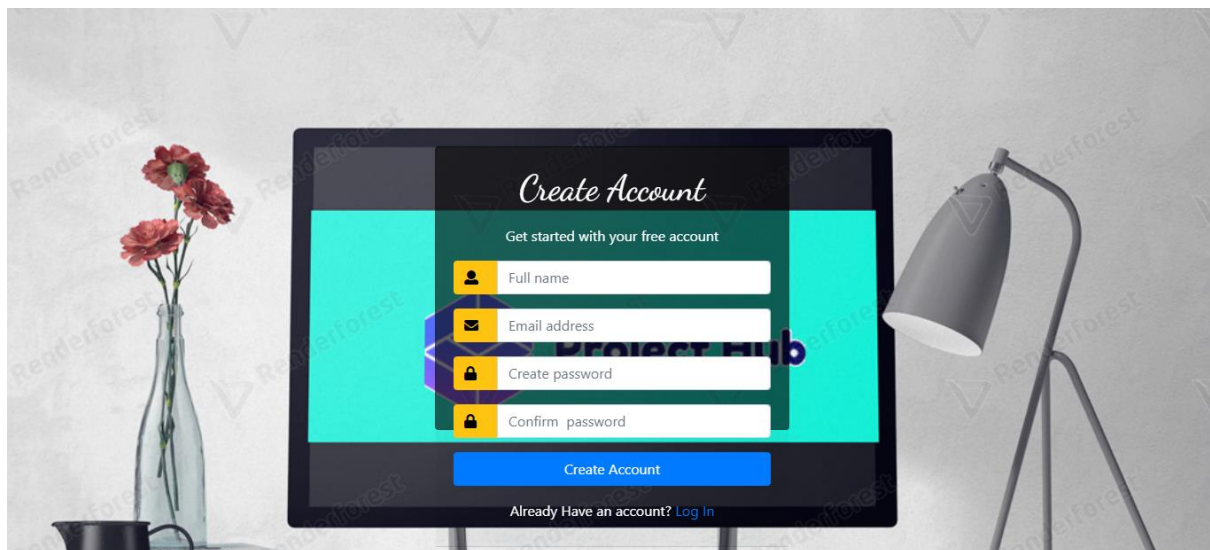
9.2 Approving a Request

If the user has forgotten their password then he can reset his password by sending a mail. And then the new password will be updated automatically updated in the database.



9.3 Registering

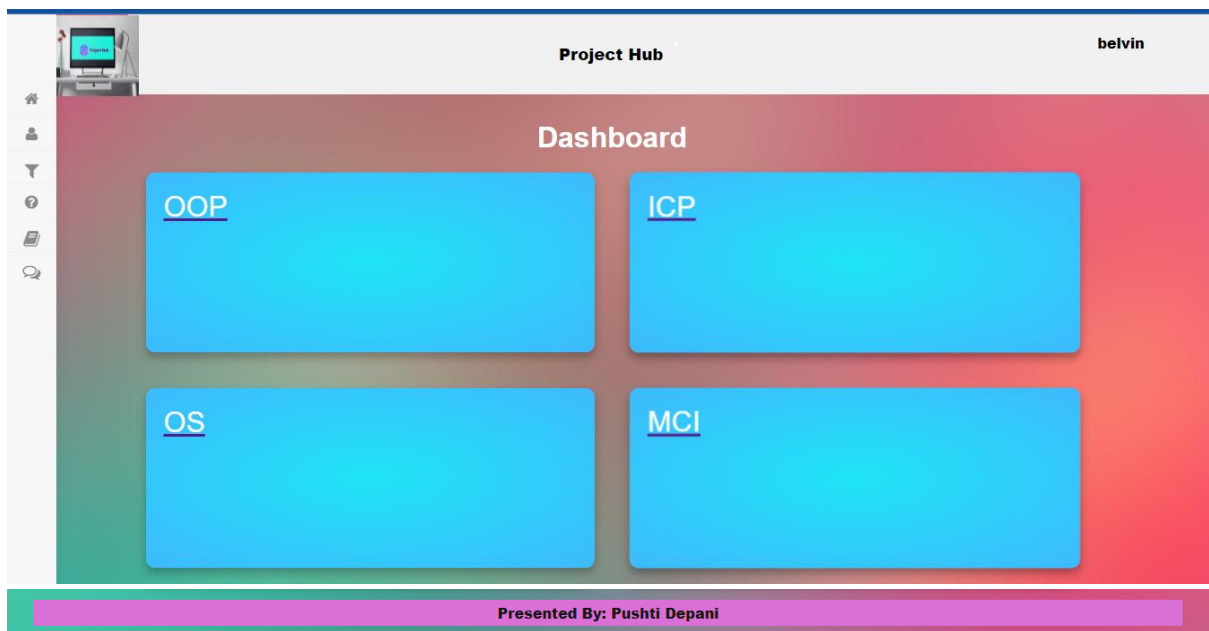
If the user is new then he/she can register and then simply login whenever needed.



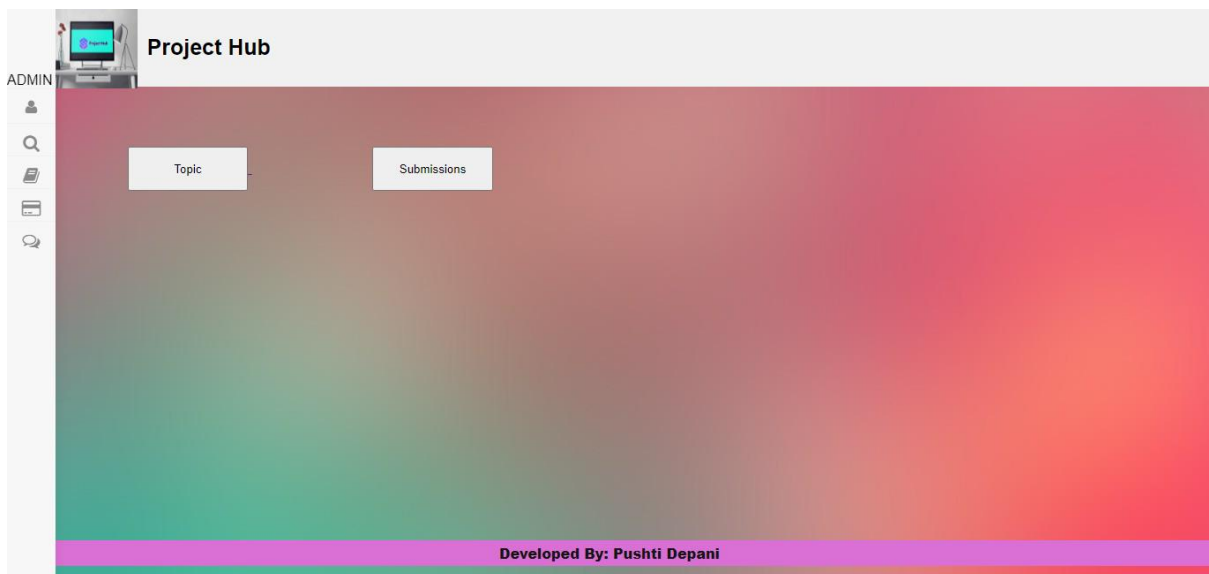
9.4 Derecting to Dashboard

Then after loging in you will be directly directed towards dashboard. Where one can see all the subjects and when you will click on a particular subject then all the topic will be displaced which one has entered in the topic section.

User dashboard



Admin dashboard



9.5 Selecting Topics

After that user needs to select the topic.

Topic

Admin side topic can be edit if required.



-
-
-
-
-
-

Project Hub

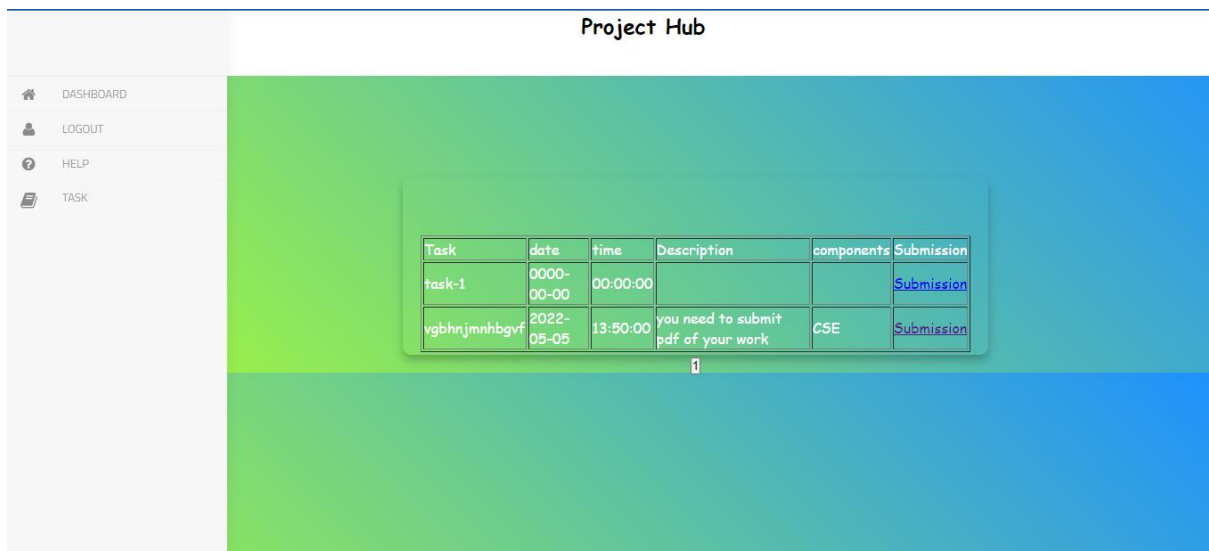
Topic Selection

ID	Topic	RollNo	Subject	Teacher	Status	Status
78	asd	40	PS	Kapil Shukla	Edit	Delete
79	asdfvgbhn	0	IWT	Prof.Chandrasigh Parmar	Edit	Delete
80	adwertyu	35	DBMS	Prof.Chandrasigh Parmar	Edit	Delete



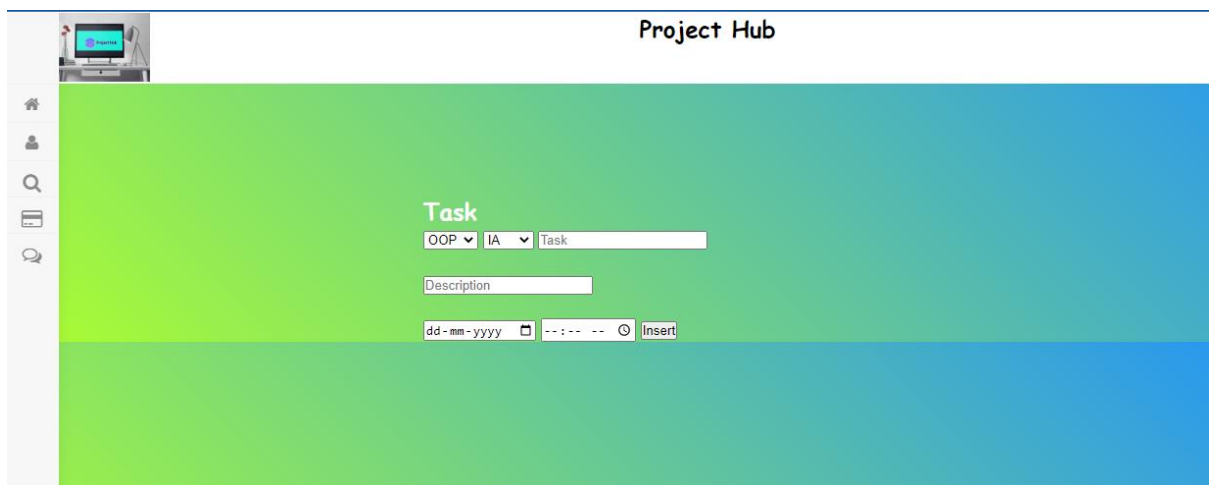
9.6 Task

Task will be assigned to the user for the by admin so accordingly submission can be done.



Particular task with the deadline will be assigned to the users.

Assigning of task in admin side



9.7 Submission

After the task are assigned user need to do submission in particular time allocated or else it would be considered as late and some penalty will be given.



User need to choose the file and submit it after the submission is done folder will be created with the subject folder name and inside that the user who has done login their folder will be created and inside that submission will be done.

This PC > New Volume (D:) > Xampp > htdocs > upload >				
	Name	Date modified	Type	Size
les	'MCI'	05-05-2022 12:50 PM	File folder	
	'OOP'	05-05-2022 12:46 PM	File folder	

This PC > New Volume (D:) > Xampp > htdocs > upload > 'MCI' >				
	Name	Date modified	Type	Size
les	belvin	05-05-2022 02:24 PM	File folder	

This PC > New Volume (D:) > Xampp > htdocs > upload > 'MCI' > belvin					
	Name	Date modified	Type	Size	
les	18 - pushti depani	05-05-2022 02:23 PM	Microsoft Word D...	105 KB	
	Alish Resume	05-05-2022 02:24 PM	Microsoft Edge P...	225 KB	
	pushti's resume	05-05-2022 01:08 PM	Microsoft Edge P...	111 KB	
lio	uploads18 - pushti depani	05-05-2022 12:59 PM	Microsoft Word D...	1 KB	

9.8 Submission Done

Submitted file will be seen to admin as well as user. And from that admin can do the evolution and then grades will be given.

User submission

Project Hub							
File Submission							
ID	Name	Task	FILE	Subject	Time	Downloads	Grades
19	belvin		uploads18 - pushti depani.docx	ICP	2022-05-02 13:57:43	Download	15
19	belvin		18 - pushti depani.docx	OOP	2022-05-02 14:30:18	Download	30
19	belvin	submit raw material	18 - pushti depani.docx	OOP	2022-05-05 12:46:02	Download	0
19	belvin	vgbhnjmnhbgyf	Alish Resume.pdf	MCI	2022-05-05 12:58:13	Download	0
19	belvin	vgbhnjmnhbgyf	uploads18 - pushti depani.docx	MCI	2022-05-05 12:59:20	Download	0
19	belvin	vgbhnjmnhbgyf	18 - pushti depani.docx	MCI	2022-05-05 13:00:29	Download	0
19	belvin	vgbhnjmnhbgyf	Alish Resume.pdf	MCI	2022-05-05 13:06:00	Download	0
19	belvin	vgbhnjmnhbgyf	18 - pushti depani.docx	MCI	2022-05-05 13:07:24	Download	0
19	belvin	vgbhnjmnhbgyf	18 - pushti depani.docx	MCI	2022-05-05 13:10:08	Download	0
19	belvin	vgbhnjmnhbgyf	18 - pushti depani.docx	MCI	2022-05-05 13:12:27	Download	0
19	belvin	vgbhnjmnhbgyf	18 - pushti depani.docx	MCI	2022-05-05 13:15:34	Download	0
19	belvin	vgbhnjmnhbgyf	Alish Resume.pdf	MCI	2022-05-05 14:22:11	Download	0
19	belvin	vgbhnjmnhbgyf	18 - pushti depani.docx	MCI	2022-05-05 14:23:00	Download	0
19	belvin	vgbhnjmnhbgyf	Alish Resume.pdf	MCI	2022-05-05 14:24:08	Download	0

Admin submission

Project Hub							
File Submission							
ID	Name	Task	FILE	Subject	Time	Downloads	Grades
22	dhruvi	submit raw material	18 - pushti depani.docx	ICP	2022-05-02 13:53:44	Download	<input type="text"/>
22	dhruvi	task-1	18 - pushti depani.docx	ICP	2022-05-02 13:53:44	Download	<input type="text"/>
22	dhruvi	submit all database table	18 - pushti depani.docx	ICP	2022-05-02 13:53:44	Download	<input type="text"/>
22	dhruvi	vgbhnjmnhbgyf	18 - pushti depani.docx	ICP	2022-05-02 13:53:44	Download	<input type="text"/>
19	belvin	submit raw material	uploads18 - pushti depani.docx	ICP	2022-05-02 13:57:43	Download	<input type="text"/>
19	belvin	task-1	uploads18 - pushti depani.docx	ICP	2022-05-02 13:57:43	Download	<input type="text"/>
19	belvin	submit all database table	uploads18 - pushti depani.docx	ICP	2022-05-02 13:57:43	Download	<input type="text"/>
19	belvin	vgbhnjmnhbgyf	uploads18 - pushti depani.docx	ICP	2022-05-02 13:57:43	Download	<input type="text"/>
19	belvin	submit raw material	18 - pushti depani.docx	OOP	2022-05-02 14:30:18	Download	<input type="text"/>
19	belvin	task-1	18 - pushti depani.docx	OOP	2022-05-02 14:30:18	Download	<input type="text"/>
19	belvin	submit all database table	18 - pushti depani.docx	OOP	2022-05-02 14:30:18	Download	<input type="text"/>
19	belvin	vgbhnjmnhbgyf	18 - pushti depani.docx	OOP	2022-05-02 14:30:18	Download	<input type="text"/>

From the admin submission marks will be given and accordingly it will be updated in the users view. As soon as the marks are given mail will be sent to the user about the assignment graded.

9.9 Search

If admin wants to directly search the user then they can do it from this search and then directly reach to the work submitted by them.

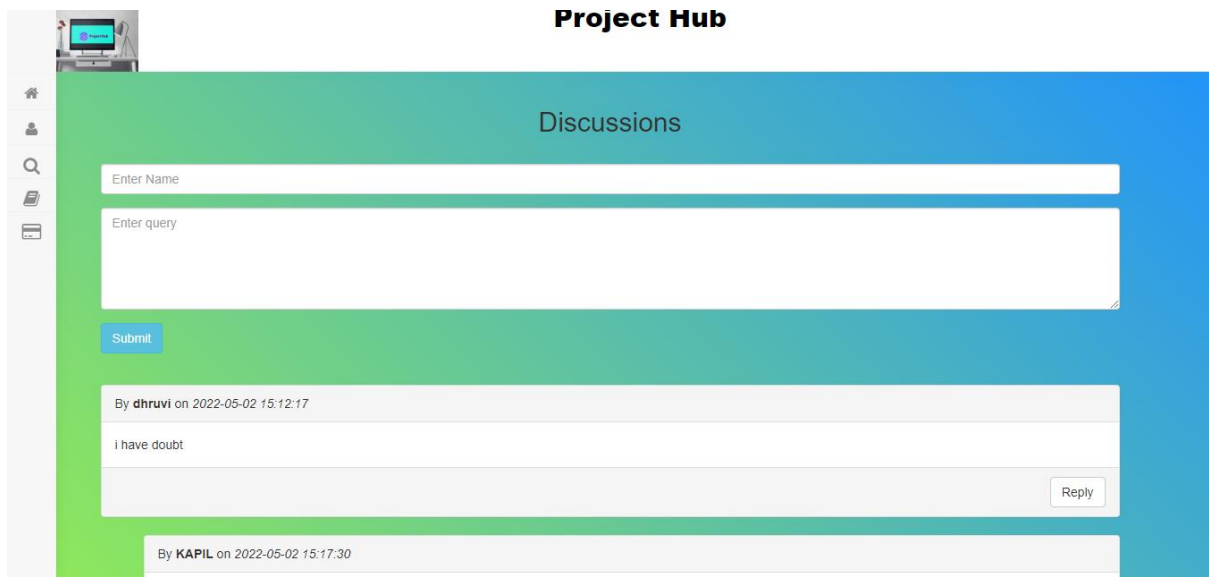


The screenshot shows a web interface for searching users. At the top left is a 'Back' button. The main heading is 'Search'. Below it is a search bar with a 'Search' button and a placeholder 'Search Users'. A table lists users with columns 'Username' and 'id'.

Username	id
janak	16
ADMIN	17
jamna ben	18
belvin	19
VASU	20
riddhi	21
dhruvi	22

9.10 Discussion

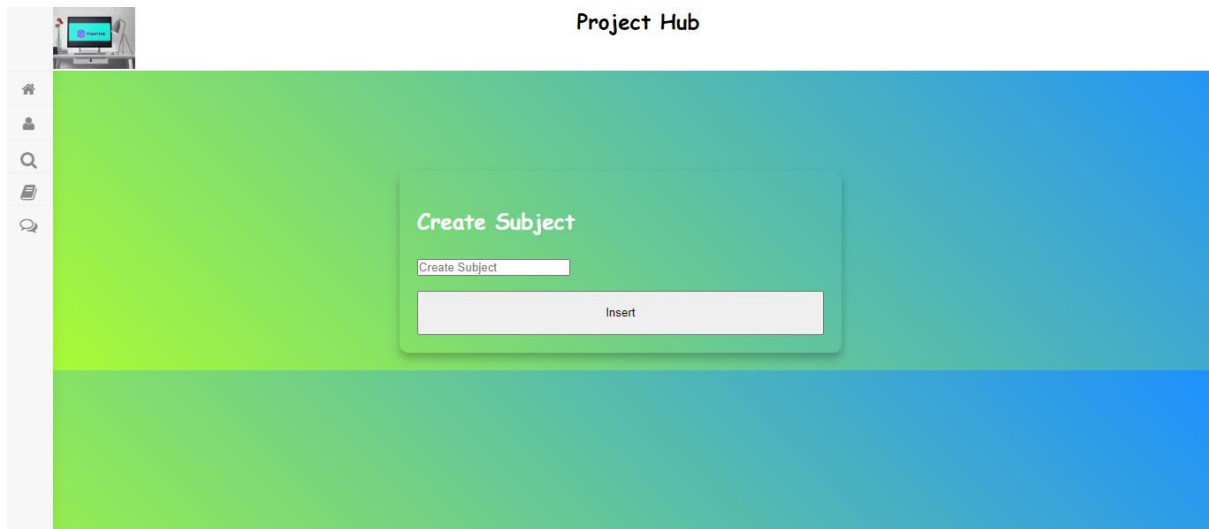
In this section user and admin can have interaction with everyone, if any student want to interact with other students then they can do over here and by this peer learning will be also done.



The screenshot shows a 'Project Hub' interface with a 'Discussions' section. On the left is a sidebar with icons for home, user, search, and documents. The main area has a heading 'Discussions' and two input fields: 'Enter Name' and 'Enter query'. Below these is a 'Submit' button. A discussion post is shown with the text 'By dhruvi on 2022-05-02 15:12:17' and the content 'I have doubt'. At the bottom of the post is a 'Reply' button. Another post header is visible at the bottom: 'By KAPIL on 2022-05-02 15:17:30'.

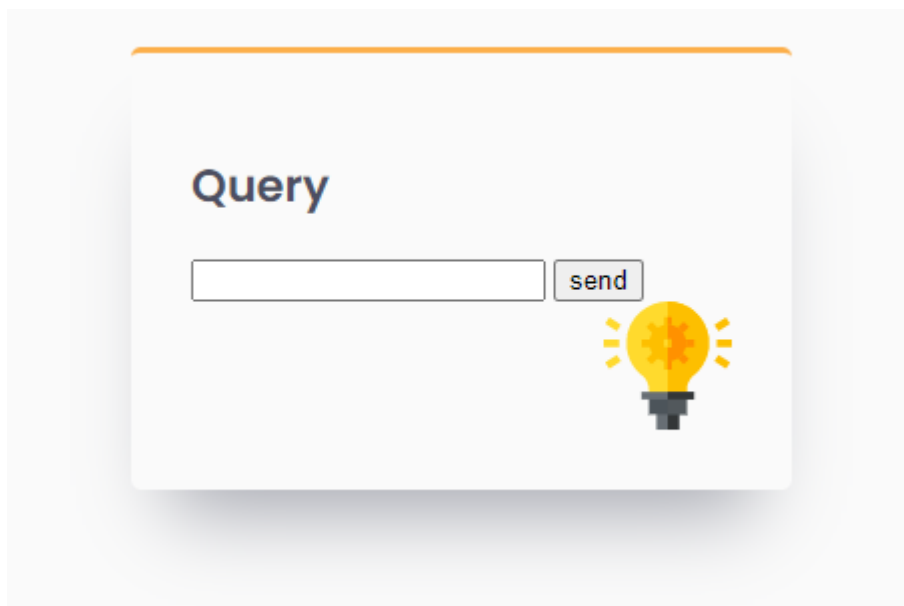
9.11 Create Subject

Admin can create new subjects, as new students will come and other students will be promoted in different semester so new subjects can be also created by the admin.



9.12 Help

Over here if any user want to directly reach to the admin then they can write here and mail will be sent to them, so they can easily approach them.



9.13 Apache Configuration

After installation XAMPP should run automatically. Click the Start button beside Apache, MySQL. To run these servers as Windows services, click the empty checkboxes on the left side under the Modules heading.



Appendix A – Data Dictionary

Database tables

registration

Username	email	Password_new	cpassword	token	status	category	id
janak	janakpariya@gmail.com	84465001	84465001	0	inactive	user	16
ADMIN	pushti18depani@gmail.com	123456	123456	0		admin	17
jamna ben	jamnaben@gmail.com	456789	456789	0	inactive	user	18
belvin	belvin@gmail.com	7890	7890	4	inactive	user	19
VASU	VASU@GMAIL.COM	123	123	0	inactive	user	20
riddhi	riddhi@gmail.com	567	567	52	inactive	user	21
dhruvi	ddobariya5262@gmail.com	456	456	80883	inactive	user	22

indexconnection

id	Topic	Subject	status	Teacher	RollNo
67	software management	IWT	0	Rakesh Oza	6
71	project management	ADC	0	Krupali Rana	2147483647
72	survey system	IWT	0	Prof.Chandrasigh Parmar	1
75	sdefdrghjk,mhgf	IWT	0	Prof.Chandrasigh Parmar	0
76	sdefgrthyjukijyhtgrf	IWT	0	Prof.Chandrasigh Parmar	10
77	sdfgh	MCI	0	Prof.Chandrasigh Parmar	35
78	asd	PS	1	Kapil Shukla	40
79	asdfvgbhn	IWT	1	Prof.Chandrasigh Parmar	0
80	adwertyu	DBMS	1	Prof.Chandrasigh Parmar	35

Subjects

+ Options
subjects
OOP
ICP
OS
MCI
IWT
IRRS

Task

Task	Subject	Submission	date	time	components	Description
submit raw material	OOP		0000-00-00	00:00:00		
submit raw material	ICP		0000-00-00	00:00:00		
task-1	MCI		0000-00-00	00:00:00		
submit all database table	ICP		2022-05-06	00:00:21	TW	you need to submit pdf of your work
vgbhnjmnhbgvf	MCI		2022-05-05	13:50:00	CSE	you need to submit pdf of your work

Tbl_comment

comment_id	parent_comment_id	comment	comment_sender_name	date
1	0	hiiii	pushti	2022-05-01 13:34:58
2	1	hello	hit	2022-05-01 13:35:10
3	0	i have doubt	dhruvi	2022-05-02 15:12:17
4	3	asdfghjm,	KAPIL	2022-05-02 15:17:30

Tbl_uploads

id	file	type	size	user	Subject	date	grades	Late	Task
125	Alish Resume.pdf	230127	0	19	MCI	2022-05-05 14:24:08	0	00:00:00	vgbhnjmnhbgvf
124	18 - pushti depani.docx	107184	0	19	MCI	2022-05-05 14:23:00	0	00:00:00	vgbhnjmnhbgvf
123	Alish Resume.pdf	230127	0	19	MCI	2022-05-05 14:22:11	0	00:00:00	vgbhnjmnhbgvf
122	18 - pushti depani.docx	107184	0	19	MCI	2022-05-05 13:15:34	0	00:00:00	vgbhnjmnhbgvf
121	18 - pushti depani.docx	107184	0	19	MCI	2022-05-05 13:12:27	0	00:00:00	vgbhnjmnhbgvf
120	18 - pushti depani.docx	107184	0	19	MCI	2022-05-05 13:10:08	0	00:00:00	vgbhnjmnhbgvf
119	18 - pushti depani.docx	107184	0	19	MCI	2022-05-05 13:07:24	0	00:00:00	vgbhnjmnhbgvf
118	Alish Resume.pdf	230127	0	19	MCI	2022-05-05 13:06:00	0	00:00:00	vgbhnjmnhbgvf
117	18 - pushti depani.docx	107184	0	19	MCI	2022-05-05 13:00:29	0	00:00:00	vgbhnjmnhbgvf
116	uploads18 - pushti depani.docx	366	0	19	MCI	2022-05-05 12:59:20	0	00:00:00	vgbhnjmnhbgvf
115	Alish Resume.pdf	230127	0	19	MCI	2022-05-05 12:58:13	0	00:52:33	vgbhnjmnhbgvf

Appendix B – Plagiarism Report

https://drive.google.com/file/d/1pam5VR79iaK05wMrhdS5pyeXH0_KLpNf/view?usp=sharing

Appendix C – User Manual

Right now this website is not hosted so the user need to follow the following step:-

If I want to run the website right now need to go to the htdocs folder from the terminal. After that they need to go to any web browser and search for “localhost/projectmain1”.