

# MID TERM PROJECT PRESENTATION

on

# Projekt House

SESSION : 2022-2023

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# Introduction

- Projekt house is a Web Platform for Students and Professors to showcase Projects and Research Papers.
- It is also a learning platform along with being a project displaying platform.
- The platform allows students to collaborate with each other and work on a same project together which creates a competitive and healthy environment .
- It also allows the professors to share research papers which keeps students updated and motivated.

# Objective and Scope

A platform for all the students and the professors of an university ( later can move to zones and states), where students can share their latest projects, ideas & research papers and professors can share new research going on and new developments in their fields .

Thus students will learn new things and can work with professors to build something great and showcase their projects too and get reviews and users.

# Novelty of the project

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Our website will not only portray student's projects but also serve as the learning platform for students where both professors and students will share their ideas as well as research papers and these research papers and ideas may serve as a foundation for new projects which will provide students an opportunity to learn and grow.

# Literature Review

- Developing a social platform based on MERN stack

Author : Hau Tran

The main goal of this research paper was to study the basic components of the highly popular MERN stack and build a social platform application based on it. The MERN stack, short for MongoDB, Express.js, React.js and Node.js eases the developers with the idea of unifying web development under a single programming language: JavaScript.

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# Literature Review

- Design and Development of  
CHATBOT: A Review

Authors : Rohit Tamrakar, Niraj Wani

This CHATBOT directly chats with the people using artificial intelligence and Machine Learning concepts. This paper reviews the technique, terminology, and different platforms used to design and develop the CHATBOT.

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# Literature Review

- A Case Study of Developing an IDE for Embedded Software Using Open Source

Authors : Dominik Ertl TU Wien, Harald Krapfenbauer

This paper recommends developing a customized IDE based on open source software. We present a case study of developing such an IDE for the languages C#, Python and JavaScript.

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# Literature Review

- A Review Of Authentication Methods

Authors : Mohammed Farik, Nilesh A. Lal, Shalendra Prasad.

This Paper describes the importance and types of Authentication mechanism and how to implement those authentication mechanism to enhance security and reduce vulnerabilities.

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# Literature Review

- Social networking feeds:  
Recommending items of interest

Authors : Jill Freyne, Shlomo Berkovsky ,  
Elizabeth M. daly, Werner Geyer.

This Research Paper gives the detailed description about the working of feeds for social media platforms . This research paper shows how to predict best feed item relevance by combining short term interest models, exploiting previous viewing behavior of users, and long-term models, exploiting previous viewing of network actions.



# Methodology

- Project will be working on 2 servers, 1st would be backend one and 2nd will be a front end server .
- The backend server will be running on Node and Front end will be React .
- Database would be handled using Non relational database i.e. MongoDB .
- All the libraries or framework are open source and free to use .
- Database free version would be used .
- VsCode will be used to write all the code and for repo management Github will be used to save all the work and update it timely .

# Hardware and Software Requirements

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## Hardware Requirements

- Processor : Intel i5 or higher
- Space On HDD : 5GB
- RAM : 4GB

## Software Requirements

- Operating System : Windows 10
  - Coding Language : Javascript
  - IDE : VS Code
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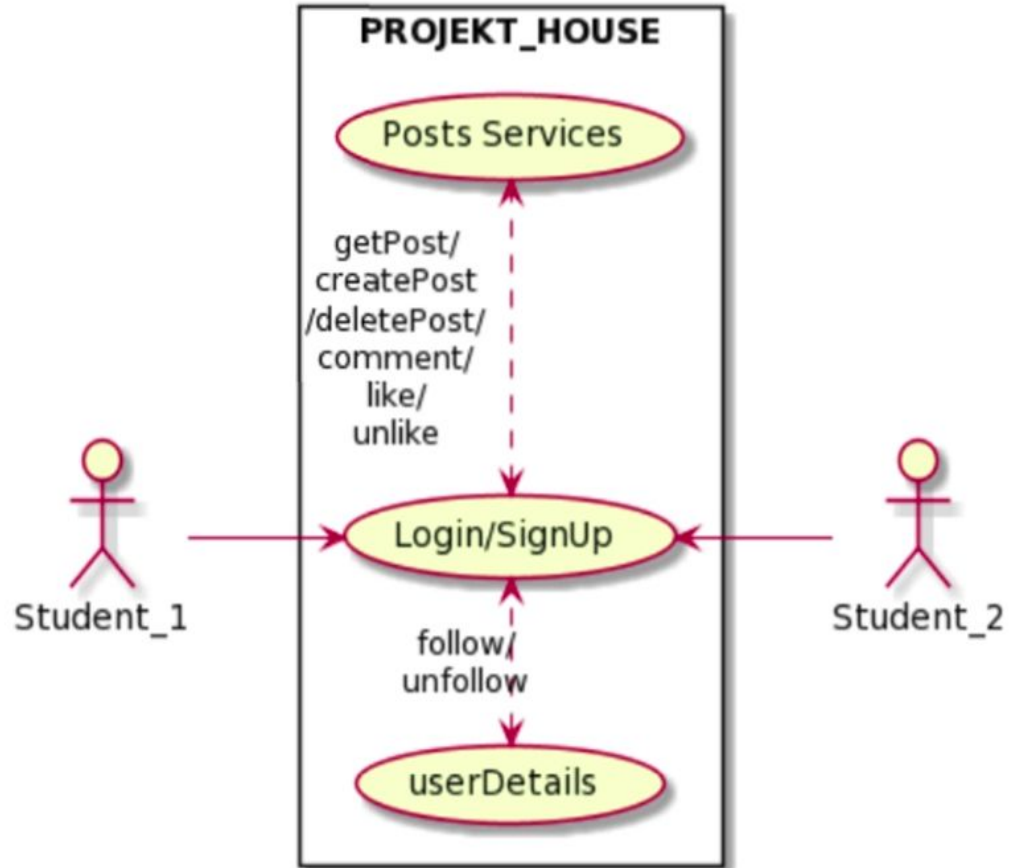


# Modules

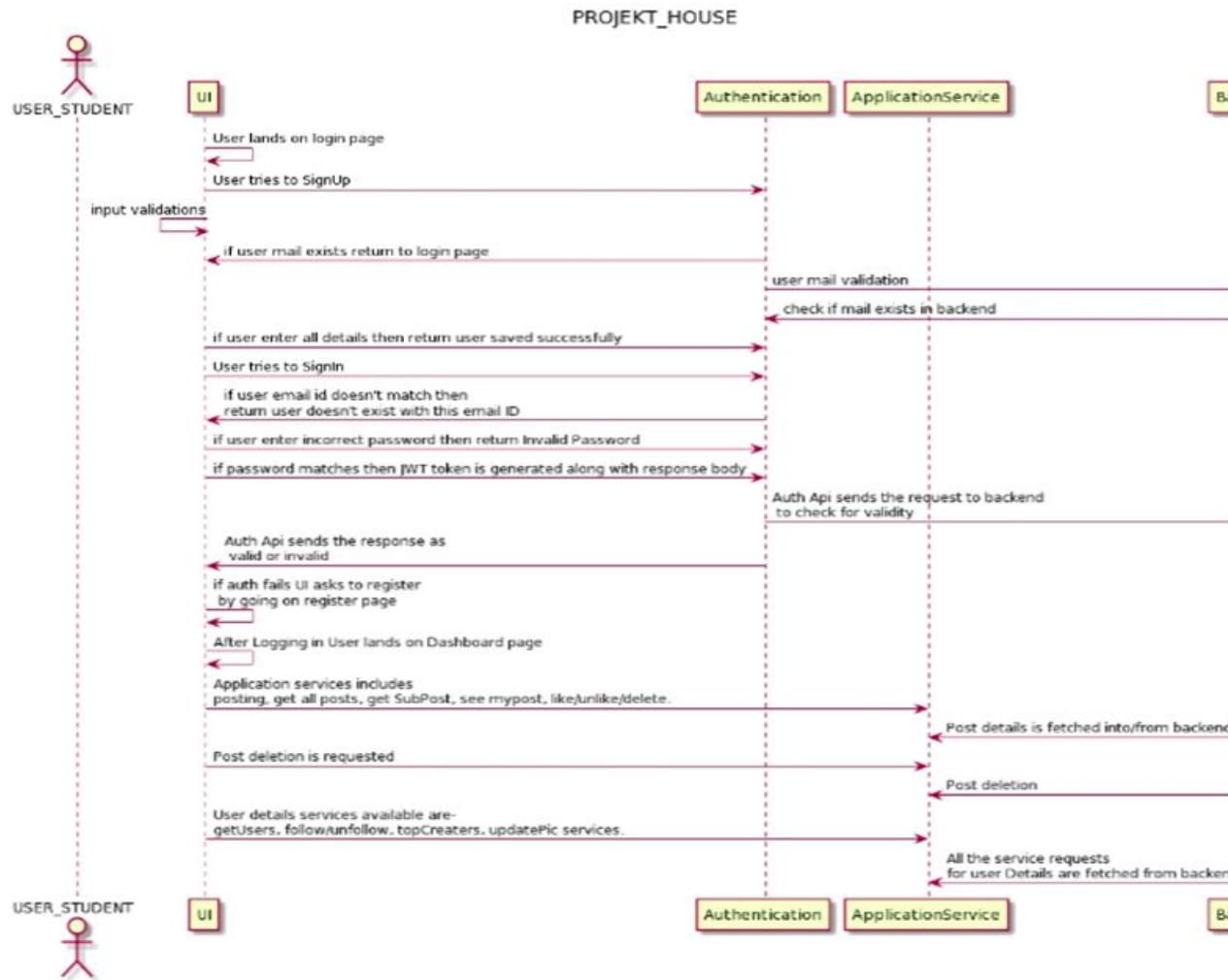
- Authentication : The project ask user id and password as verification details for authentication of users.
- Social Media Features : The project also includes social media features such as like,feed and follow/unfollow.

# Design Documents

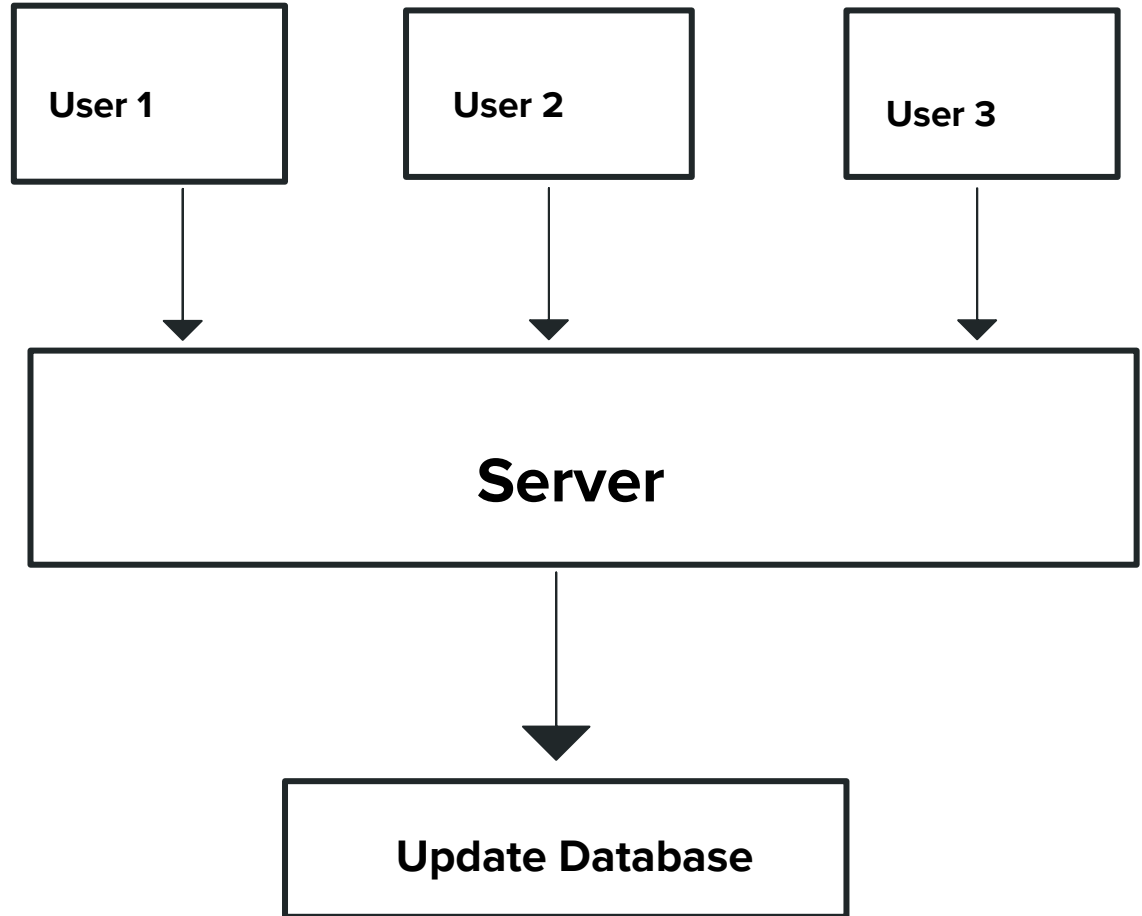
# Use Case Diagram



# Sequence Diagram



# Data Flow Diagram





# Description of Project

- For the students , By the students , Students can share their latest projects that they are working on.
  - Collaborate with other students , teams and professors to work on similar ideas and be a helping hand .
  - Professors can post latest developments in their fields to encourage and motivate students to work in that field.
  - Professor can share latest research papers and areas of research .
  - Students can discuss various new ideas with other students .
  - A project will get real time users .
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# Implementation Snapshots

# Registration

[← BACK TO HOME](#)

## Register below

Already have an account? [Login](#)

Name

Email

Password

UPLOAD PROFILE IMAGE

REGISTER

# Login Page

← BACK TO HOME

## Login below

Don't have an account? [Register](#)

Email

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Password

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LOGIN

# Create Post

ProjektHouse



Create post

Profile

Feed

LOGOUT

← BACK TO HOME

Please fill in all the fields

## Create Post

Title

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Description

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FILE

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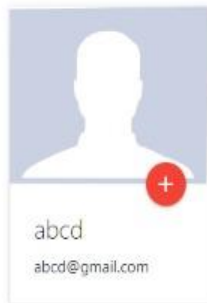
POST

# Home Feed

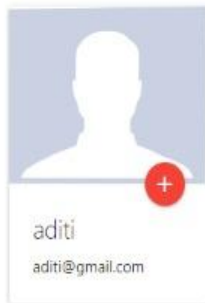
ProjectHouse

🔍 Create post Profile Feed [LOGOUT](#)

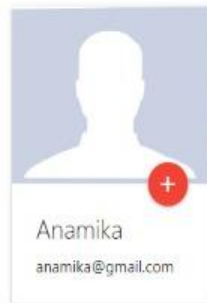
## Top Creators



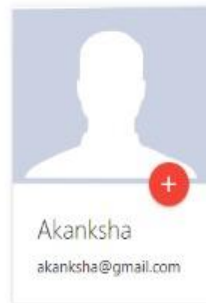
abcd  
abcd@gmail.com



aditi  
aditi@gmail.com



Anamika  
anamika@gmail.com



Akanksha  
akanksha@gmail.com

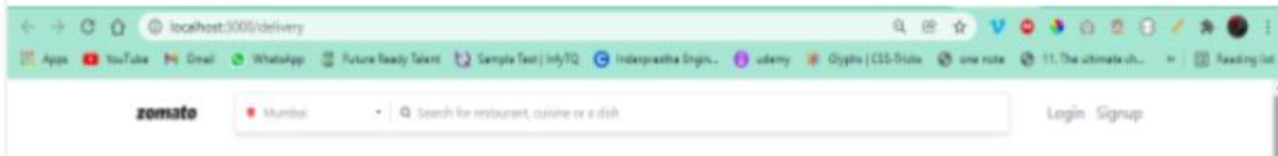
## Feed



aditi

### React Project

This is a front end react project.





# **Conclusion**

- The Project includes login and register button for authentication purposes.
- The project also contains an individual feed for every user
- The feed contains the social media features such as create post and like,rate and review post.

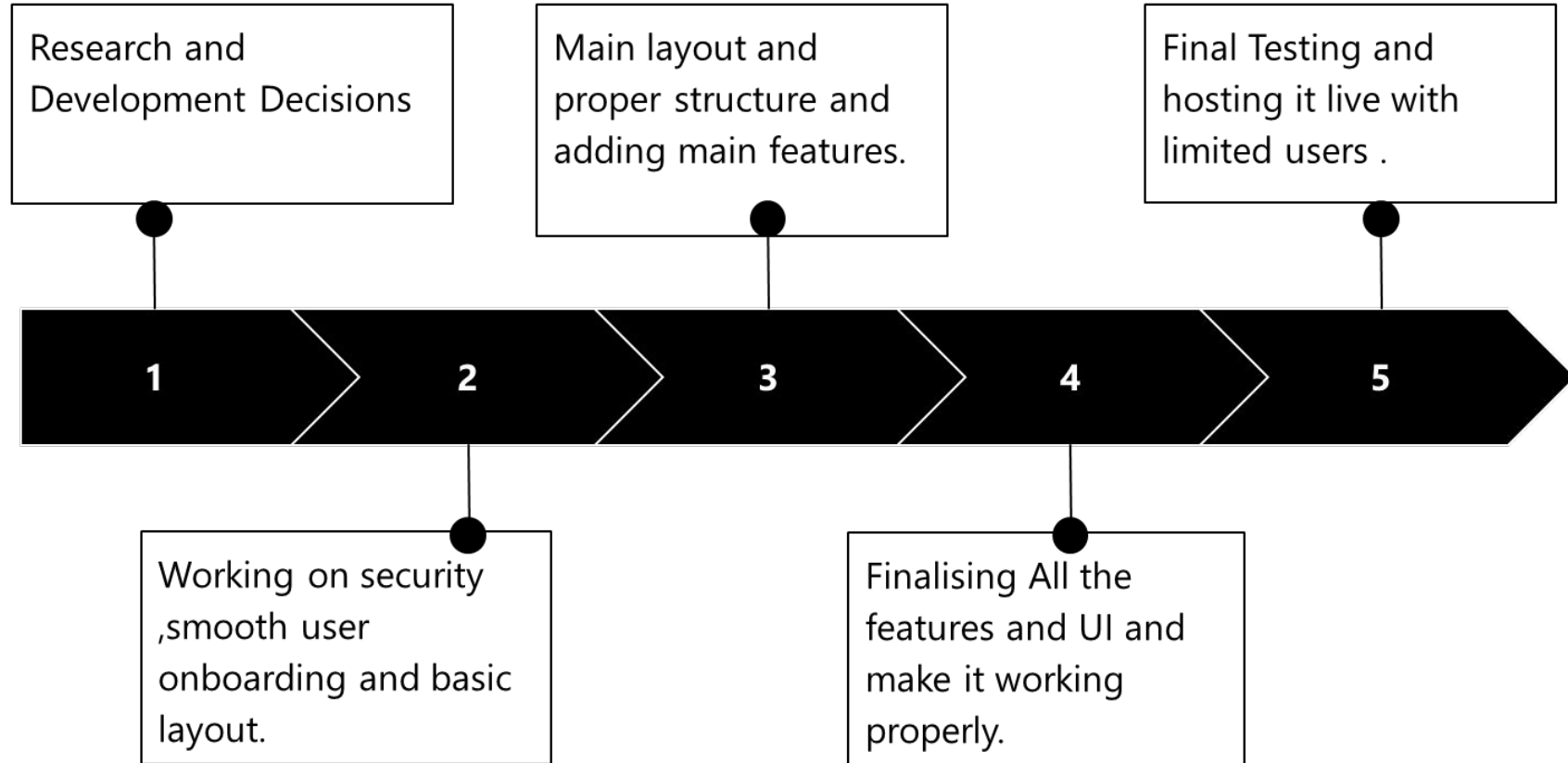


## **Future Scope**

- Adding Chat and call feature within the platform.
- Adding more security layers and making the platform big.
- Enabling blockchain feature in posting and creating profile.



# Timeline



**Thank You**