

Project discussion manager



Zeeshan & Tuba

This project is a web based application which is a collection of some important features of some well-known websites like Facebook, watt's app or email. It can be think of like an application which provide all facilities for managing discussion forums for different types of teams like teams for any project (In future it will have mobile version as well). It will provide some basic but main and important features required for any discussion forum.

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Abstract

This project is a web based application which is a collection of some important features of some well-known websites like Facebook, watt's app or email. It can be think of like an application which provide all facilities for **managing** discussion forums for different types of teams like teams for any project (In future it will have mobile version as well). It will provide some basic but main and important features required for any discussion forum.

Problem Statement

When we are working on any project then we need to communicate with our team members and assign them tasks or we need to discuss with them on any issue or about adding new feature in project. Now this is not the case you always need to manage projects but it can be the case that you are CR of class an you need to communicate with your class, you can use medium like watt's app or other message app but that do not provide any specific of suitable features for discussion. So the problem is that we need a platform which provides all required features to manage the discussions and other some basic relative tools to manage projects. (Since there is Microsoft teams or GitHub but they provide some how complex GUI which is used by only developers and skilled person. On other hand this application will provide more simple and user friendly GUI).

Project Technical Approach & Methodology

Technology:

Our application will use one of mostly used technologies as listed below.

- Bootstrap
- Html
- CSS
- JavaScript along with AJAX library
- Nodes
- Reacts.

Methodology:

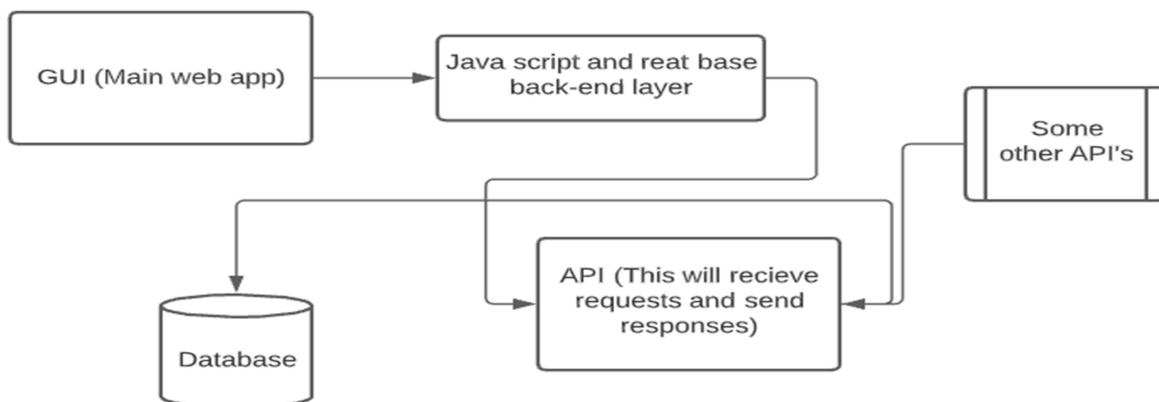
We will use three tier structures for our project. It will be consisting of 3 layers.

Client side layers

1. GUI layer (Main website view)
2. Back-end connecting layer to API

Server side layer

3. API (This will get requests from client and will response. This will be responsible for connecting to database and authentication systems as well) (Initial that may reside on local host but can be deployed on any other liver server as well)



Main Features:

Our application will provide the following list of features

- ✓ User can create an account to use application
- ✓ User can post a topic which can be seen by other users and they can comment on that as well.
- ✓ User can create pool for voting on any topic.
- ✓ User can upload media like files which can be seen by other users as well. And other users can comment on that as well, like they can give feedback etc.
- ✓ User can contact any other registered user as well and can share media like files.
- ✓ User can show his/her online status
- ✓ Users can update his/her profile.

Work Division:

Since in group we are two members and following is the work division of our project

Members:

1. Zeeshan Ahmed (023-18-0031)
2. Tuba Asif (023-18-0100)

NOTE : Since following table shows the key parts of our project and there will be so many other small part

Graphical User Interface (BootStrap+Html+Css)

Note: components which will contain dynamic data will be designed in component form (Will be done in React)

Task	Done by
Contact list (which will show all contacts) (UI)	Zeeshan
Chat list (Which will show messages) (UI)	Zeeshan
Profile view + bio data form (UI)	Zeeshan
Post + Comments list (UI)	Tuba
Pool + comments (UI)	Tuba
Login page and sin up page (UI)	Tuba
Main home page of website (UI)	Tuba

Back-end work (Javascript+React+Nodejs)

Note : Note following is the list of main piece of codes which are required

Task	Done by
Methods for login and sin up form (Client Side + API)	Tuba
Methods for Creating and loading post and relative comments (Client Side + API)	Tuba

Methods for creating and loading pools along with relative data (Client Side + API)	Tuba
Methods for loading main page (Client Side + API)	Tuba
Methods for loading and updating of user profile (Client Side + API)	Tuba
Methods for loading chat list of any relative account (Client Side + API)	Zeeshan
Methods for loading contact list (Client Side + API)	Zeeshan
Methods for sending and receiving messages of any relative account (Client Side + API)	Zeeshan
Methods for uploading and receiving media files (Client Side + API)	Zeeshan
Methods for receiving and sending the online status of any user (Client Side + API)	Zeeshan

Note: We may create some other methods or may merge few methods, it depends on the way to achieve functionality