Assignment Five (Project Two)

- Late Submission: The deadline to submit this assignment is 19th February 2024, 6:00PM IST.

Challenge

Your challenge is to build a fully functional Social Media containing the below features.

Important Instructions

1. You have to build this project using React JS (Hooks).
2. You can make use of hooks like useState, useEffect, useContext, useReducer.
3. Make use of functional programming and write good modular code.
4. Refrain from using for-loops.
5. The features that you have to build and their user stories are mentioned below. You need to implement all the MUST HAVE features mentioned below, in your app. The Bonus features are absolutely optional. Attempt the bonus features only when you complete the must have features.
6. Design prototype has been provided below for reference. It contains design for only some of the pages that you need for building this social media app. You have to take inspiration from that, for designs of your app. You can choose to completely copy that design.
7. No need to make use of mockBee for this project. You can follow the mentioned steps to make use of Backend - Backend for Social media

What you have to submit

You have to submit 3 links once you complete this given assignment within deadline.

1. Github URL - Your Github URL should have your social media app code. Make sure your code is properly structured. Submit the Github link of your code.
2. Loom Video URL - You need to record a video using Loom and submit the link of your video. In this video you should show each and every feature that you have implemented in your app one by one. Make sure you show all the features in one video itself. Don't record the video too long. Here a sample video of how you should make the video with voice - https://www.loom.com/share/518e28b1df7a425e867f72e5f2006f4b
3. Live Project Link - You need to host your social media application live and submit the hosted link. You can choose to host your app anywhere you like, example: Netlify, Vercel, etc.

Screens for CSS

https://social-media-screens.netlify.app/

Sample Projects to check out functionalities:

Prashant: https://frittr.netlify.app

Roma: https://bakingram.netlify.app/

Vinit: https://shinobi-connect.netlify.app/

Must Have Features

- User Feed

    - List all user posts
    - Sort by Date & Trending
- Create a Post
- Like a post
- Edit & Delete Post
- User Profile

    - Add Avatar
    - Add Bio
    - Add Portfolio URL
- Follow/Unfollow
- Explore Feed
- Bookmark Post
- Authentication

    - Sign-up
    - Login
    - Logout

Bonus Features (Optional)

- Upload Images & Videos while creating a post

- Add Emoji & Gifs while creating a post
- Edit User Profile Photo
- Infinite Scroll Feed

User Stories

1. User Feed

   - I can see a landing page with a list of user posts.
   - Sort & Filter by Date, Trending

     - Filter by Trending

       - I can filter posts by clicking on the "Trending" button which will show all the posts with the most likes.

     - Sort by Date

       - I can sort the posts by the date added/created.

2. Create a Post

   - I can create a post with a "+" button or "Create new post" button which will open a text box and will have a "Post" or "Submit" button.

3. Like a Post

   - I can give a heart or thumbs up to any post on the user feed.

4. Edit & Delete Post

   - Edit Post

     - I can click on the "Edit Post" button which will open the same component with the text box where we can edit a post & save it. I should be able to edit only my post.

   - Delete Post

     - I can click on the "Delete Post" button which will delete a post. I should be able to delete only my post.

5. User Profile

   - Choose from Avatar options to make profile picture

     - I can see a default avatar for the profile pic to show after Signup.
     - I can add a profile picture to the user profile by clicking on the edit profile and choosing from avatar options and save it by clicking on the save button.
     - I can see 6 to 7 avatar options for selection.

- Bio

    - I can add a bio of the user by clicking on the edit profile option, where I can see a text box to add texts and save it by clicking on the save button.

  - Portfolio URL

    - I can add a portfolio url of the user by clicking on the edit profile option, where I can see a text box to add the URL of the profile and save it by clicking on the save button.

6. Follow/Unfollow

    - When I click the user profile, I can see a "Follow" button, if I click on it, I can follow the user.
    - If clicked again on the same button, I will "unfollow" the same user.

7. Explore Feed

    - When I click on Explore feed I can see all the posts, even of the people whom I don't follow.

8. Bookmark Post

    - For every post on the user feed, I can see a "Bookmark" option where I can bookmark a post which will add it to the bookmark list.

9. Sign-up Page

    1. I can see a sign-up page from where I can sign-up using my email, first name, last name, user name, password & confirm password.
    2. I can see a hide-show icon button that shows or hides my password.

10. Login Page

    1. I can see a login page from where I can log in using my email & password.

11. Logout

    1. I can see a logout button from where I can log out from the app on the header navbar.

Bonus Features User Story (Optional)

- Upload Images & Videos while creating a post

    - I can upload and add images and videos while creating a post.

- Add Emoji & Gifs while creating a post

    - I can add emojis and gifs while creating a post.

- Edit User Profile Photo

    - Add Profile Picture - I can add a profile picture to the user profile by clicking on the edit profile, I can see an "upload image" component.

- Add Background Image - I can add a background image by clicking on the edit profile, I can see an "upload background image" component.
- Infinite Scroll Feed

Backend for Social media

1. Create a React project:

   ```
   npx create-react-app **<your app name>**
   ```
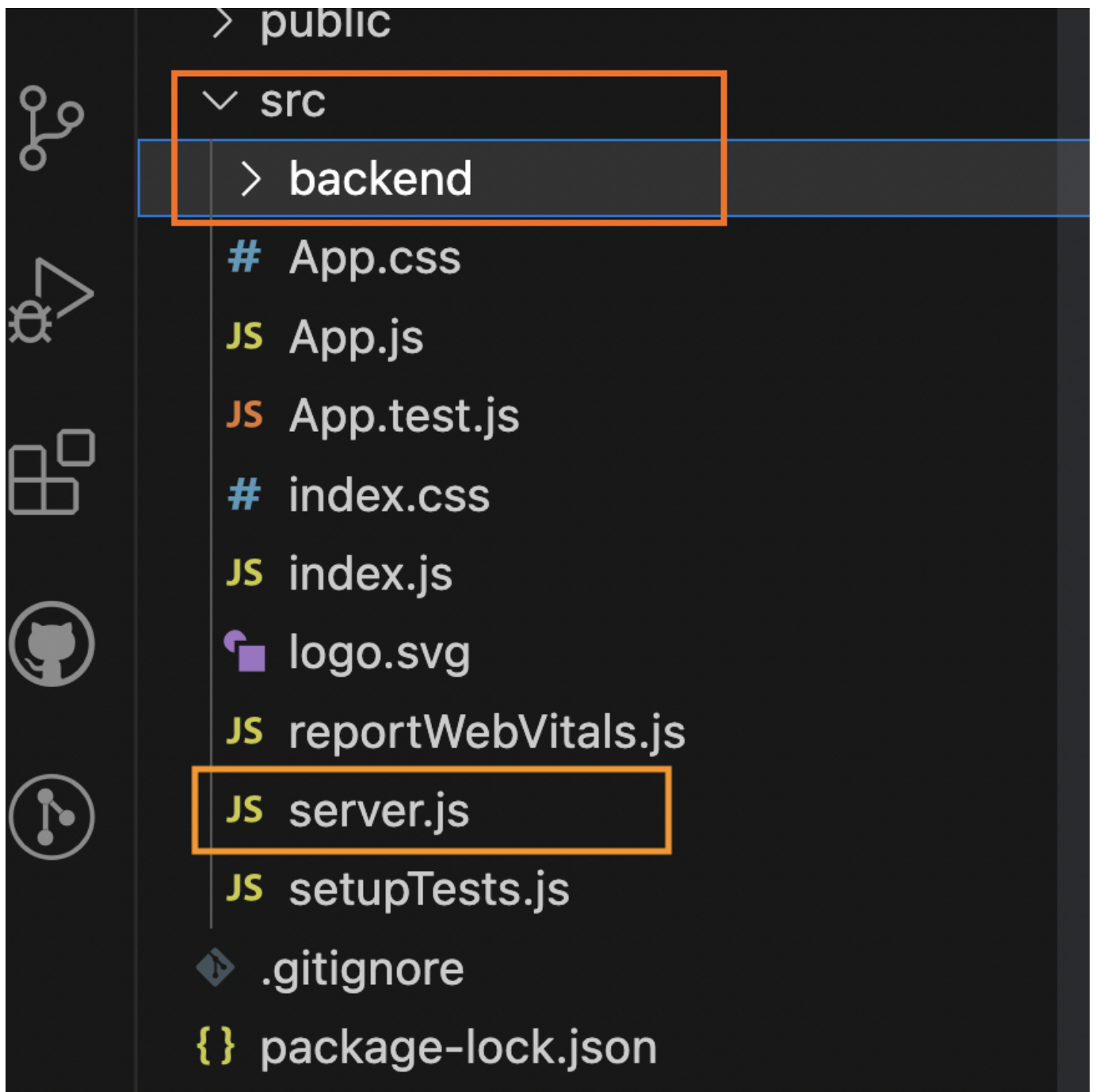
   Example:

   ```
   npx create-react-app my-social-media
   ```

2. Add the `backend` folder and `server.js` file inside `src` folder.

   Backend Code:

   [Social Media Backend.zip](#)

3. In `index.js` folder add this code:

```
import { makeServer } from './server'

// Call make Server
makeServer()
```

4. Install Miragejs:

```
npm i miragejs
```

5. Install jwt-decode:

```
npm i jwt-decode
```

6. Install dayjs:

```
npm i dayjs
```

7. Install jwt-encode:

```
npm i jwt-encode
```

8. Create an .env file with content:

```
REACT_APP_JWT_SECRET = "any"
```

Done. You can now proceed with making API calls. Happy Coding!