

Semester Project Submission 1: Airbnb-inspired Homepage

Objective

Create a React application that replicates the main features of the Airbnb homepage. This project will focus on building a responsive and interactive user interface using functional components and React hooks.

Requirements

1. Project Setup

- Initialize a new React project using Create React App or Vite.
- Set up a Git repository for version control.

2. Components

Create the following components:

a. Navbar

- Logo
- Navigation links (Home, Experiences, Online Experiences)
- User menu (Login/Signup)

b. SearchBar

- Location input
- Search button

c. Categories

- Horizontal scrollable list of category buttons (e.g., Beachfront, Cabins, Trending, etc.)

d. ListingCard

- Property image
- Property title
- Property type (e.g., Entire home, Private room)
- Number of guests, bedrooms, and bathrooms

- Price per night
- Rating

e. Footer

- Links to different pages (Support, Community, Hosting, About)
- Social media icons
- Copyright information

3. Homepage

Assemble all components into a cohesive homepage layout.

4. State Management

Utilize the `useState` hook for managing local state in components. Examples include:

- Active category in the Categories component
- Search inputs in the SearchBar component

5. Side Effects

Implement the `useEffect` hook to handle side effects. Examples include:

- Fetching mock listing data when the component mounts
- Updating the listing display when a category is selected

6. Responsiveness

Ensure the layout is responsive and looks good on both desktop and mobile devices.

7. Styling

Use CSS modules or a styling library of your choice (e.g., Styled Components, Tailwind CSS) to style your components.

Deliverables

1. Github repository link with source code of the React application
2. A README.md file should be in project with:
 - Project description
 - Setup instructions
 - Any assumptions or design decisions made

Evaluation Criteria

- Correct implementation of React components
- Proper use of `useState` and `useEffect` hooks
- UI/UX design and responsiveness

Submission Guidelines

- Push your code to a GitHub repository
- Submit the GitHub repository URL on Google Classroom
- Ensure the repository is public

Good luck with your project!