

Problem Statement

Objective: We have provided you with a starter repository. Your task is to create a single-page React application based on this repository and implement the following features:

1. Annotation Icons:

- Develop a menu of annotation types (represented by different icons/shapes/etc) to choose from.
- Enable users to select an annotation icon from the menu and render it on the map. This is open ended, and you can choose how to accomplish them.

2. Annotations Persistence:

- Implement a mechanism to persist the annotations on the map.

3. Filter Annotations:

- Enable users to filter annotations based on their type.

In your presentation, concentrate on the following points:

1. Tool Selection - Justify the choice of tools used to implement the selected features.
2. Feature Structure - Provide a high-level overview of the feature's structure, including components and state management.
3. User Interface and Interaction Design - Emphasize the usability and efficiency aspects of the chosen feature's user interface and interaction design.
4. Backend Integration (if applicable) - Explain how the feature integrates with backend services, if required.