REACTJS DEVELOPER - EXPERIENCE

OVERVIEW

You have been assigned a task to develop a movie search and recommendation application called "MovieFinder." The application should allow users to search for movies, view movie details, and receive personalized movie recommendations based on their preferences.

GENERAL REQUIREMENT

- MOVIE SEARCH:

- Provide a search bar where users can enter the title of a movie.
- Fetch movie data from a public API (e.g., OMDB API) based on the user's search query.
- Display a list of movies that match the search query, showing their titles, release years, and posters.

- MOVIE DETAILS:

- Implement a feature to display detailed information about a selected movie.
- Fetch additional data (e.g., plot, rating, cast) from the API to present a comprehensive overview of the movie.
- Include a button or link to navigate back to the search results.

- USER AUTHENTICATION AND PREFERENCES:

- Implement a basic user authentication system using Firebase Authentication or any other preferred authentication mechanism.
- Allow users to register, login, and manage their profiles.
- Provide a user preference page where users can select their favorite movie genres.

- UI/UX ENHANCEMENTS:

- Design and style the application to provide a visually appealing and user-friendly interface.
- Implement responsive layouts to ensure the application is usable on different screen sizes.
- Use appropriate UI components and interactions to enhance the user experience.

BONUS FEATURE (OPTIONAL)

- PERSONALIZED RECOMMENDATIONS:

- Based on the user's selected movie genres, implement a recommendation system that suggests movies matching their preferences.
- Display a list of recommended movies, taking into account the user's preferences and movie ratings from the API.
- Ensure that the recommendations are updated in real-time as the user modifies their preferences.

Your solution should showcase your understanding of ReactJS concepts, including component architecture, state management, asynchronous data fetching, and user authentication. Additionally, adhere to best practices in terms of code organization, modularity, and performance optimization.

You are encouraged to use additional libraries or frameworks to enhance the functionality and user experience of the application. However, prioritize functionality and completion within the given time frame.

Please provide your solution as a GitHub repository or a zip file containing the source code and any necessary instructions for running the application. Additionally, include a brief document explaining any design decisions or trade-offs made during the development process.

Good luck with the practical assessment!