

Frontend Test Assignment: Star Wars Character Explorer

Objective:

Build a React application that allows users to explore Star Wars characters. The application should utilize React, Redux, React Router, and any UI library of your choice. The app should have a main page with a list of characters that can be filtered based on various criteria. Additionally, each character should have a clickable link that navigates to a separate page with detailed information.

Requirements:

Main Page:

Display a list of all Star Wars characters fetched from the Star Wars API.

<https://swapi.dev/documentation>

Include filter options for:

- Movies (Select box with movie names)
- Name (Text input for filtering by name)
- Gender (Radio buttons for male, female, and other)
- Mass (Two min/max text inputs for filtering characters within a certain mass range)

Filtering:

Whenever the user adjusts the filter settings, the character list should instantly update to show characters that meet the selected filters.

Display clear/reset button to reset all filters.

Character Details Page:

Each character in the main list should be clickable.

Clicking on a character should navigate to a separate page with detailed information about the character. You can find information about available fields to show at

<https://swapi.dev/documentation#people>.

Utilize URL-based routing for character details. For example, /characters/5 for the character with ID 5.

Character Details Page Enhancement:

Integrate the following details into the character details page:

- Species: [Character Species]
- Movies: [List of Movies the Character Appeared In]
- Spaceships: [List of Spaceships Associated with the Character]

UI/UX:

Use Redux for state management.

Employ React Router for navigation between the main page and character details page.

Choose a UI library of your choice to enhance the visual appeal and ensure a consistent design.

Ensure that the UI is responsive and works well on both desktop and mobile devices.

External Libraries:

You are allowed to use any external libraries to complete the assignment. However, justify your choices in a README file.

Documentation:

Provide a README file with instructions on how to run the application locally.

Explain the reasoning behind the chosen UI library and any other external libraries used.

Submission:

Share the codebase through a public GitHub repository.

Include a README file with setup instructions, libraries used, and any additional notes.

Evaluation Criteria:

Correct implementation of the main page with filters.

Proper integration of React Router for navigation.

Detailed character information on the character details page.

Responsive and visually appealing UI.

Efficient state management using Redux.

Code organization, readability, and best practices.

Proper usage of external libraries with justifications.

Clear documentation in the README file.

Feel free to reach out if you have any questions. Good luck!