

Assignment: Space X Launches App

Overview:

Create a space x launches list app using **React and Tailwind CSS/ any CSS library** that fetches data from the spacex API. The app should display a list of launches with filter and search functionality. Additionally, implement user authentication with login and signup features using Redux for state management.

Time for Development: 1 day

Requirements:

Part 1: UI/UX Implementation

- **Launches List Page:**
 - <https://docs.spacexdata.com/#bc65ba60-decf-4289-bb04-4ca9df01b9c1>
 - Display a visually appealing list of launches fetched from the spacex API.
 - Each launch item should at least include the image (**mission_patch**), title (**mission_name**), and launch date in DD/MM/YYYY (**launch_date_local**), rocket (**rocket_name**), launch site name (**site_name**).
- **Filter Functionality:**
 - Include 2 filters in the launch list page :
 - Launch Year
 - Launch Status
- **Search Functionality :**
 - <https://docs.spacexdata.com/#cfcc49e7-5fe4-4dd3-9701-7c5caf7af9fb>
 - Include a search bar at the top of the launch list page.
 - Allow users to search for launch by title.
 - Display search results in real-time as the user types.

Part 2: State Management with Redux

- **Authentication:**
 - Implement a simple authentication system with login and signup screens.
 - Use Redux to manage the authentication state.
- **App-level State Management:**
 - Manage loading and error states while fetching data from the spacex API.
 - Use Redux to store and update app-level state.

Submission Guidelines:

- Create a GitHub repository for the project.
- Provide clear instructions on how to run the app locally.
- Include a README with any additional information or considerations.
- If time permits host on Vercel (Not compulsory)