Country Code Selector Challenge

Use Case

Our clients are experiencing slow first time loads of our Mobile application. The development team has targeted the Mobile application's bundle size as a key factor in its load time. Moreover, the flag selector package being used in the application makes up about 30% of the bundle size. Therefore, we would like to replace the package with our own smaller package.

Supporting Assets

Along with this document you should have received a JSON file that contains a dictionary of countries that you can use to implement the requirements for the challenge.

Requirements

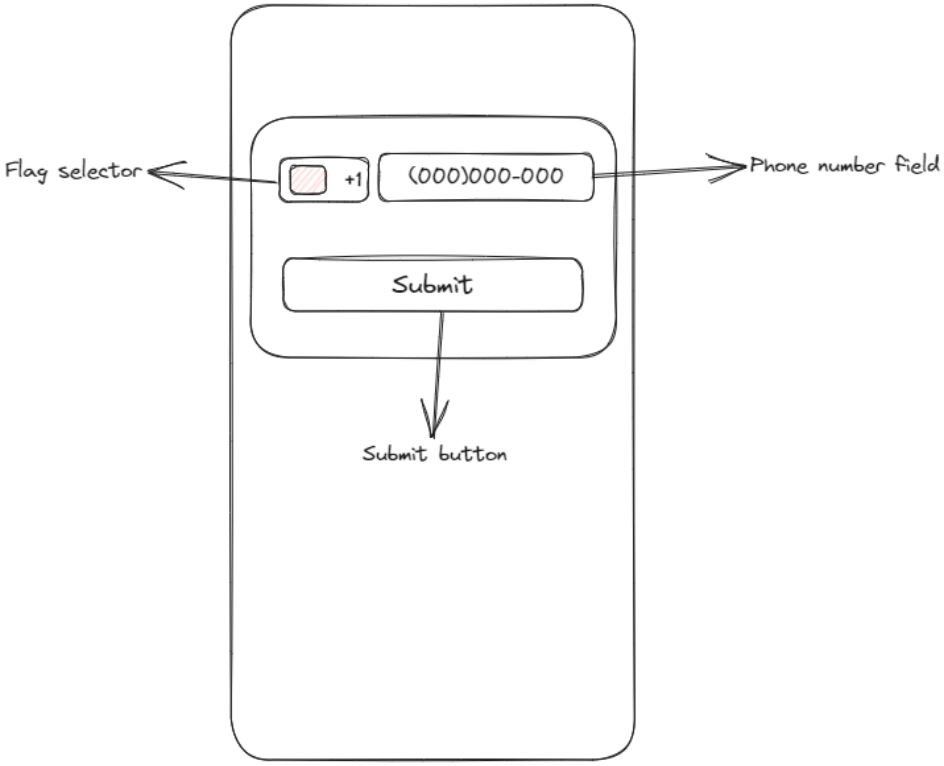
- Mobile first UI
- Typescript + React JS
- A phone number input field
    - The placeholder should conform to this format (000) 000-0000
    - The placeholder should update based on the selected country's phone number length
- A submit button
- The new country selector component needs to...
    - Display the currently selected country by rendering the country flag and the country code
    - Have a drop-down menu that is opened via on click /tap of the country flag selector
    - The drop-down menu should contain two sections, a search field and a country list.
        - The country list should display the country's, flag, name, and calling code
        - The search field should filter the country list by country name
        - Selecting a country from the country list should...
            - Update the selected country on the flag selector
            - Update the phone length validation on the phone number field
            - Update the phone number fields placeholder value
            - Each country has a specific phone number length the phone number field's mask/placeholder and validation should conform to this.
- The fully built gzip'd project should be under 806kb

Bonus (optional)

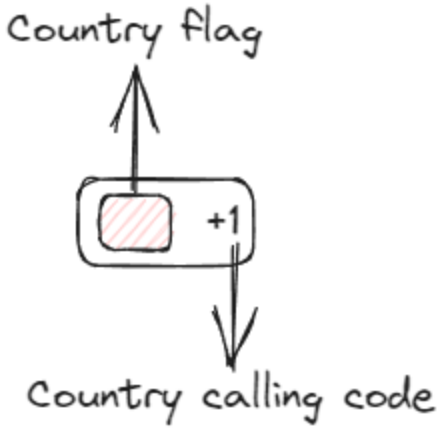
- Add a mask to the phone number field
- As the user types their phone number the field should auto format their input in the following format, (000) 000-0000
- The mask's length should be based on the currently selected country

Wireframes

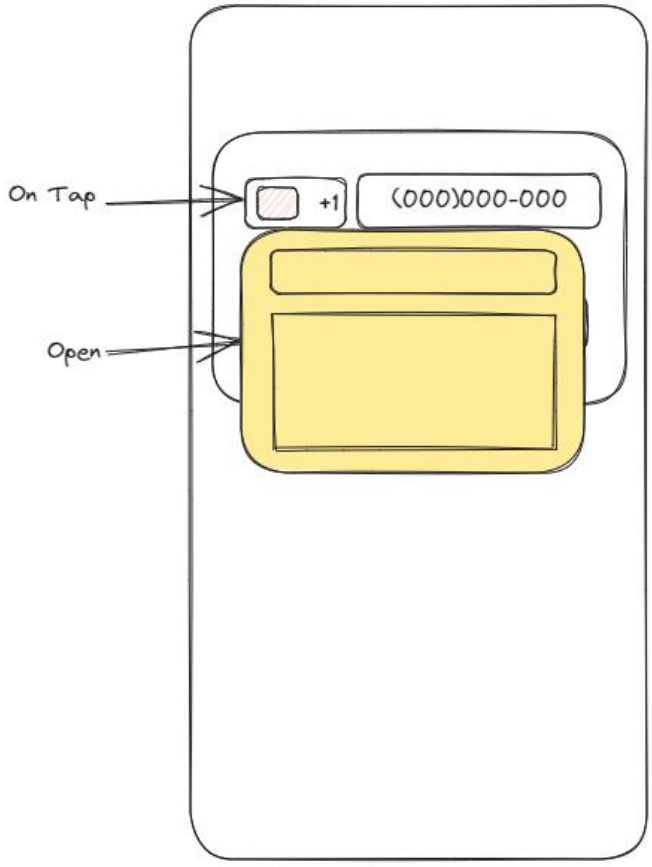
Minimal Required UI



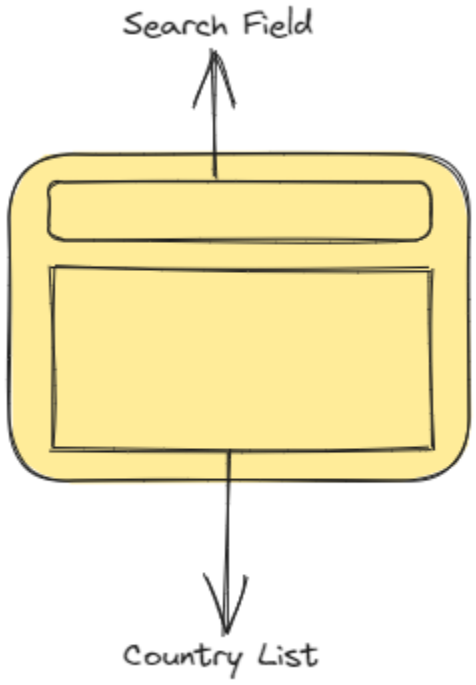
Country Flag Selector Anatomy



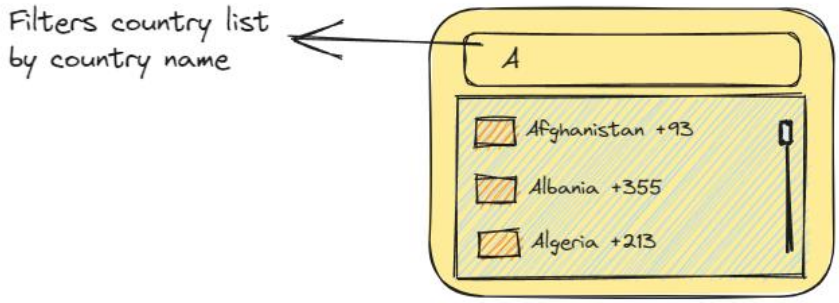
Country Flag Selector Behavior



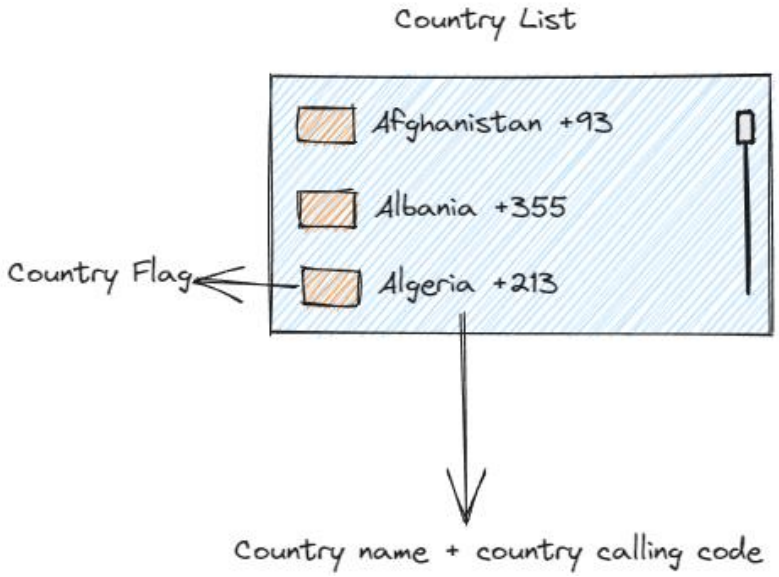
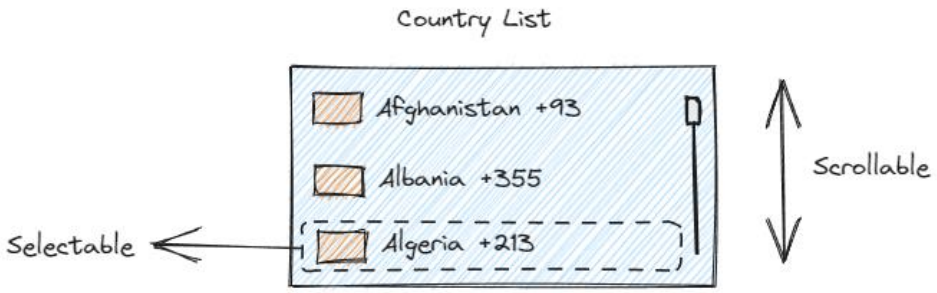
Drop Down Anatomy



Drop Down Behavior



Country List Anatomy



Country List Behavior