Tags input challenge

Duration: 1 hour (45 minutes of coding, 15 minutes of Q&A)
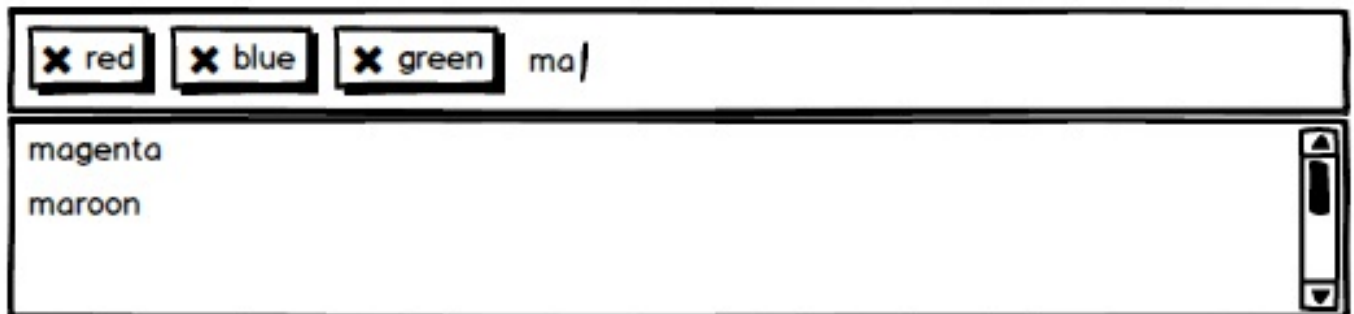
Instructions

Create a tags input component from scratch with React. If there's time, add an autocomplete feature. For the autocomplete, an array of objects containing a color string will be provided for suggestions based on the input value. You are encouraged to ask questions and discuss trade-offs/ideas with your interviewer. The goal is to have a solution that meets all requirements by the end of the interview. You are allowed to use the internet during this process.

Design

Tags input

Tags input with Autocomplete

Requirements

- Must be created from scratch

    - No third party components such as `downshift` or `react-select`
    - Utility dependencies such as `lodash` or `ramda` are OK, but not necessary

- The component should:

    - Have an input that the user can type into
    - Add the current value of the input as a tag when the user presses the Enter key, and clear the current value
    - Remove a tag when it's clicked
    - Prevent duplicate tags from being added

- All values are case-insensitive (e.g. "abc" = "ABC" = "aBc")
- Basic styling

Autocomplete requirements

- Use the provided `colors.json` file for suggestion values
- Cannot use the `datalist` element
- Given an of array of objects containing a color name, offer suggestions based on the user's input
- The suggestions should only be displayed when the user is typing in the input and if one of the suggestions matches that input
- When a suggestion is clicked, its value should be added as a tag and the current input value should be cleared
- The list of values should not contain a value already selected
- The list of values should be displayed over any content below the tags input