

Software Engineer Exercise: React

Your goal is to build a simple multi-page “wizard”-style form for collecting information about a user.

Feature Requirements

Customer Features

- **CF-1:** Data entered by the user should be sent to a User API
 - API posts should be stored to file -- you can use <https://github.com/typicode/json-server> or a similar tool
- **CF-2:** User API data should be posted once, at the Finish page of the wizard
- **CF-3:** If user abandons the wizard and comes back, their state and place in the wizard should be preserved (it's ok for this browser-based)
- **CF-4:** User will only be able to advance to the next page in the form if validations pass
- **CF-5:** User will be able to navigate back to previous pages in the form to change input
- **CF-6:** Some visually interesting transition should occur between pages in the interface
- **CF-7:** Data collected will be:
 - First page
 - First name (required)
 - Last name (required)
 - Second page
 - Email address (required, must be valid email)
 - Third page
 - Age (required, choose from ranges below)
 - 17 or younger
 - 18 - 25
 - 26 - 35
 - 36 - 45
 - 46 or older
 - Height (required, separate boxes for feet and inches, must be valid numeric input)
 - Weight (optional, but if entered must be valid numeric input)
 - Fourth page
 - Favorite color (required, choose from list below)
 - Red
 - Orange
 - Yellow
 - Green
 - Blue
 - Purple
 - Other (If this option is chosen, user must fill in a text box, this box is required only if “other” is chosen)
 - Fifth page
 - Finish page: no data collected, thank you / confirmation message displayed to user

The technical requirements are:

- Use React as the main development framework
- Design components to take advantage of inheritance where appropriate
- Tests should be included, using the test framework of your choice
- Provide meaningful error messages.
- Feel free to use whatever packages you need to accomplish the goals above.
- Write a README with instructions to run and test your application. You can presume working familiarity with standard React tools.
- Setup a Github account/project for the application. Please use it during your application's development cycle and write the repository URL at the bottom of your README.md file.

Other Considerations

- The code of your app will be peer reviewed. It is important that your code is easy to follow and shows off your technical skills. Expect questions about your code during your interview.
- Design should be clean and consistent, but this is not a design exercise
- Be creative, pay attention to detail.