LP Reactjs Code Challenge

Overview

Using the instructions provided below, Build a [React](#) based web app, and provide a `tar`, `tar.gz`, or `zip` file with the necessary files to build/run the project.

We expect you to build a production-ready **React App** with all the necessary instructions to deploy it.

The project should take no more than 2-3 hours to complete. If you think you would need more time, please let us know before you start.

The challenge

Using the design provided in the attached wireframes, build an application to serve a list of properties for sale from an API feed.

Users should be able to: 1. View listing of properties for sale 2. Filter by a neighborhood, city, zip code, and type of property (Single Homes, Townhouse, apartment) 3. Change the view style (by sections and global list), where sections are neighborhood, city, and ZIP code 4. Navigate to a property detail page for more info

Project requirements

Funtionality

The project should have at least 3 pages:

Home: [wireframe](#) - Should display input text where users can enter either a neighborhood, city, or a ZIP code - When a user press enter or click on search, it should be redirected to the listing page, with the filter applied - The user should enter at least one of the filter options - There should be a widget with the last visited properties (based on data property `last_visited`) - There should be a widget with the last most visited properties (based on data property `total_visits`)

Listing: [wireframe](#) - Display the List of properties from the API feed. You would find a folder `api/data.json` with the api feed. - Each listing should display the main image, Price, square foot, number of beds and bathrooms - User should have the ability to filter properties by neighborhood, city, and type of property - Display an option to change View Style, global (it should be the default) show all listings, and by section (sections based on filter values) - Add pagination to the page

Details: [wireframe](#) - The detail of property for sale (make sure you follow the wireframe and the API available fields) - Display main image - Display a list of the other image - When users click on a property image, it should show a modal with a carrousel for all images - By default, it displays an overview of the property, but there should be an option to `Show more` to display the rest of the property information - Left section showing the list of images of the properties should have scrolling up/down capabilities - Right section should stay fixed with the property information

Architecture - Make sure you create components for every element, and you make they are available to use for future pages. - Implement React Router - Implement React State management (use the tools of your choice) - Treat `api/data.json` as if you were fetching data from an external **API** service and not managing/handling data lookup within the components.

Documentation - Create a `README.md` file with all the instructions to `build` and `run` the project (`dev` and `prod` mode), and to any dependency required - Create a **TODO** section to outline all the improvements you would like to do if you have more time - Create an **Out of Scope** section to outline no supported browsers. You are not required to add support to all browsers

None require will give extra points

- Apply CSS/HTML styles as you see fit. This is an opportunity for you to show off your CSS/HTML skills
- Structure the project to make it modular
- Even is not required, we are expecting the code to be production-ready
- Be creative and replace `Lorem Ipsum` text with what you think fits into the context

Information provided

- Home page wireframe
- Listing page wireframe
- Property Details wireframe
- API Data
- Property Image sample