Assignment - Senior React Developer

Notes

a. Take your time and read this document carefully. Before coding.

b. All the elements required to create this project are shared in the link that can be found in the kit and reference section.

c. The project should be created in React.js.

d. The project should be responsive on both desktop and mobile view.

e. You will have to submit your project along with your code for review.

f. Please add a readme file for any instructions or details you wish to tell us.

g. Extra score for styling.(interactive elements,highlight options on hover etc.)

Task

Create a 360 image viewer in React.js with the following features:

1. *Viewer section on the left.*

   This will be split in 2 parts from top to bottom.

   a. **The main Image viewer:**

   This section should display an image from a sequence which will change based on the user's interaction with the page. Some of the interactions that can happen on this panel are the following:

      i. Hold left click and drag on the image should scroll the images in sequence depending on the direction of the drag (ie: Dragging iterates through the image sequence)

      ii. Double tap on the image to zoom into the image.

      iii. When zoomed in the user can drag on the image to move it to view every section of the image.

      iv. Double tapping on the zoomed image again will unzoom the image.

      v. On the top right there needs to be a button to make the image full screen. In the full screen mode the image needs to fit the size of the user's screen with the same zoom functionality created before.

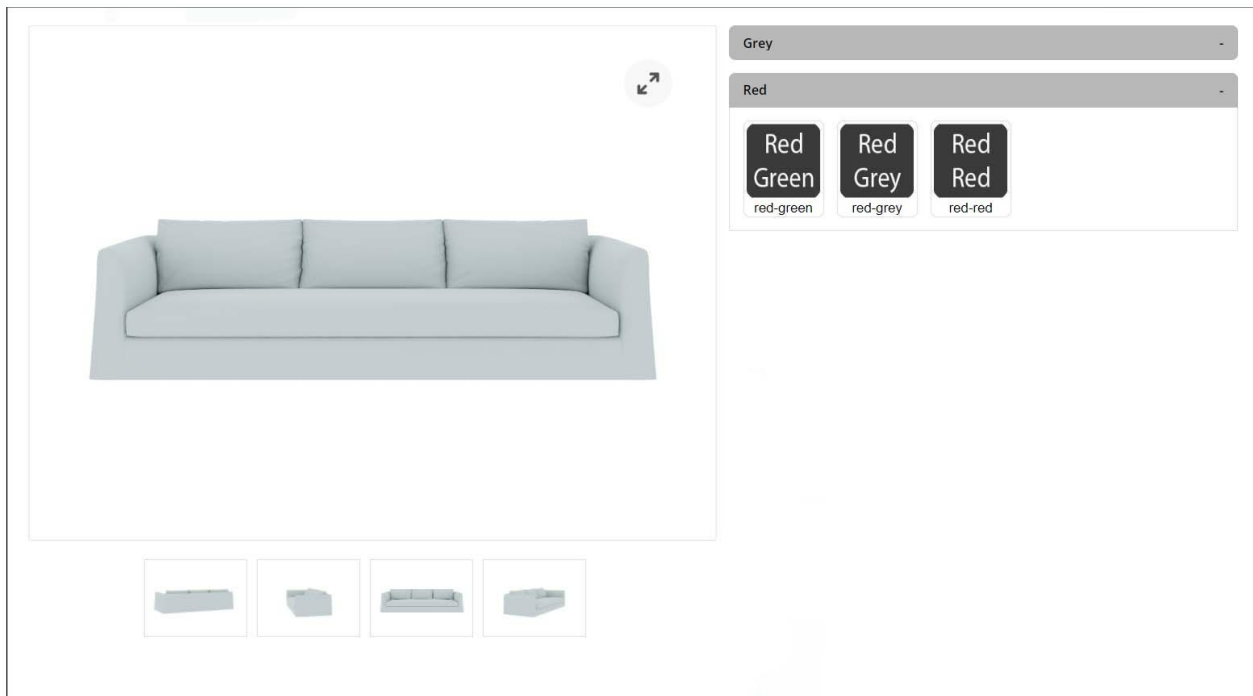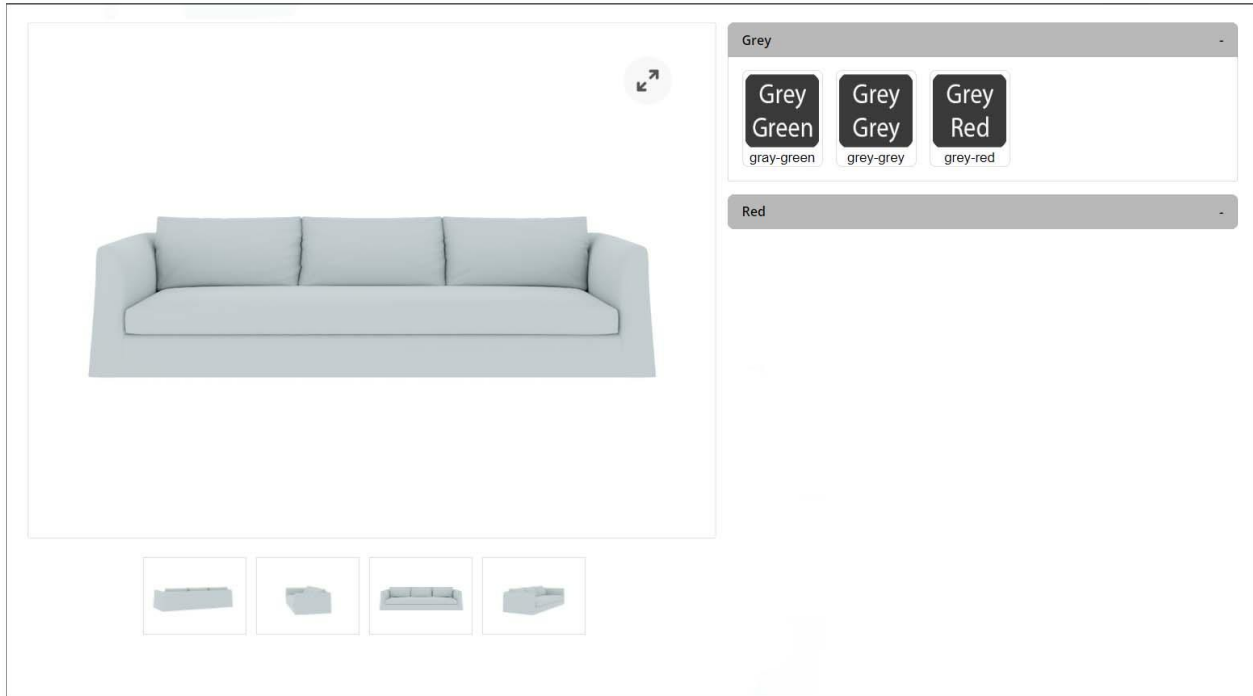   b. **Thumbnail buttons of different angles:**

   4 thumbnail buttons of different angles of the product are to be placed below the main image viewer. Clicking on these thumbnails will make the main image viewer smoothly change to the selected thumbnail. *(for the test just have different angled images spread equally apart of the current sequence of images eg: if the sequence has 24 images select the 1st, 7th, 13th and 19th thumbnail)*
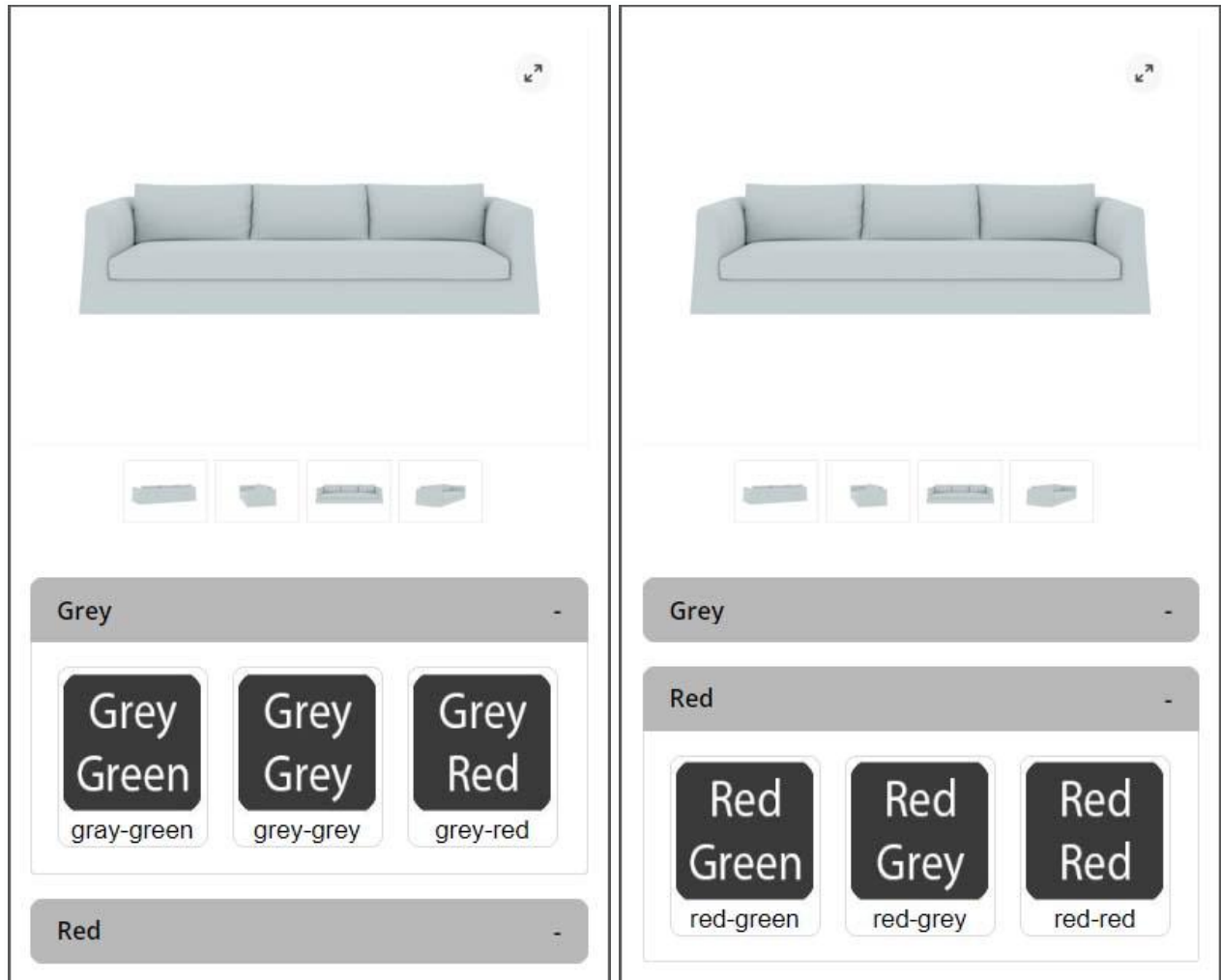
2. *Accordions section on the right.*

    a. This section will have 2 accordions.

    b. The default state should have the first accordion expanded and the second accordion collapsed.

    c. When a user clicks on the accordion's label it should expand its content and collapse the other accordion's content.

    d. Mentioned below are the details for the accordions content:

       i. Accordion 1:

          1. Label: Gray

          2. Content: 3 thumbnail buttons with images gray-green, gray-gray, and gray-red.

       ii. Accordion 2:

          1. Label: Red

          2. Content: 3 thumbnail buttons with images red-green, red-gray, and red-red.

    e. Clicking on the Accordion thumbnail button should change the main image viewer image set to the image set corresponding to the thumbnail button.

Kit and reference

a. Please download the files in the link to begin the project. (Link)
b. Desktop design reference.*(accordion open close)*

c. Mobile design reference.*(accordion open close)*

d. Video reference of functionality. (Link)