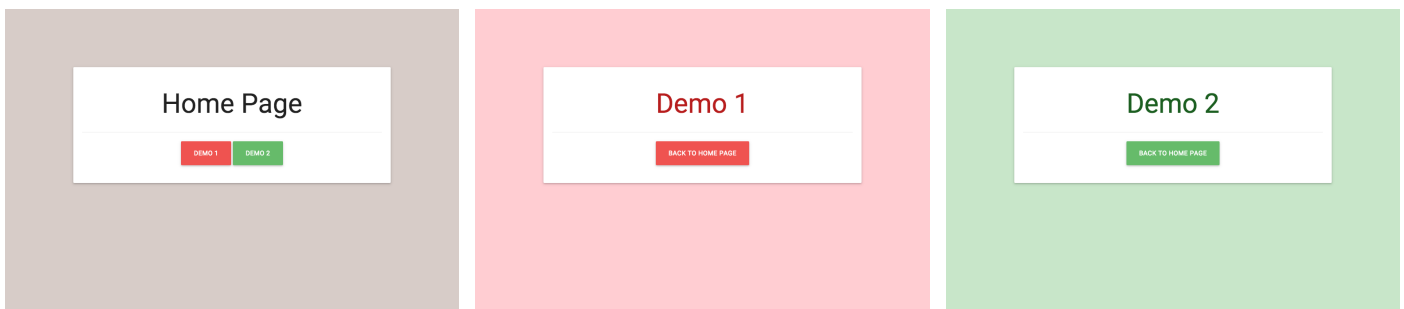


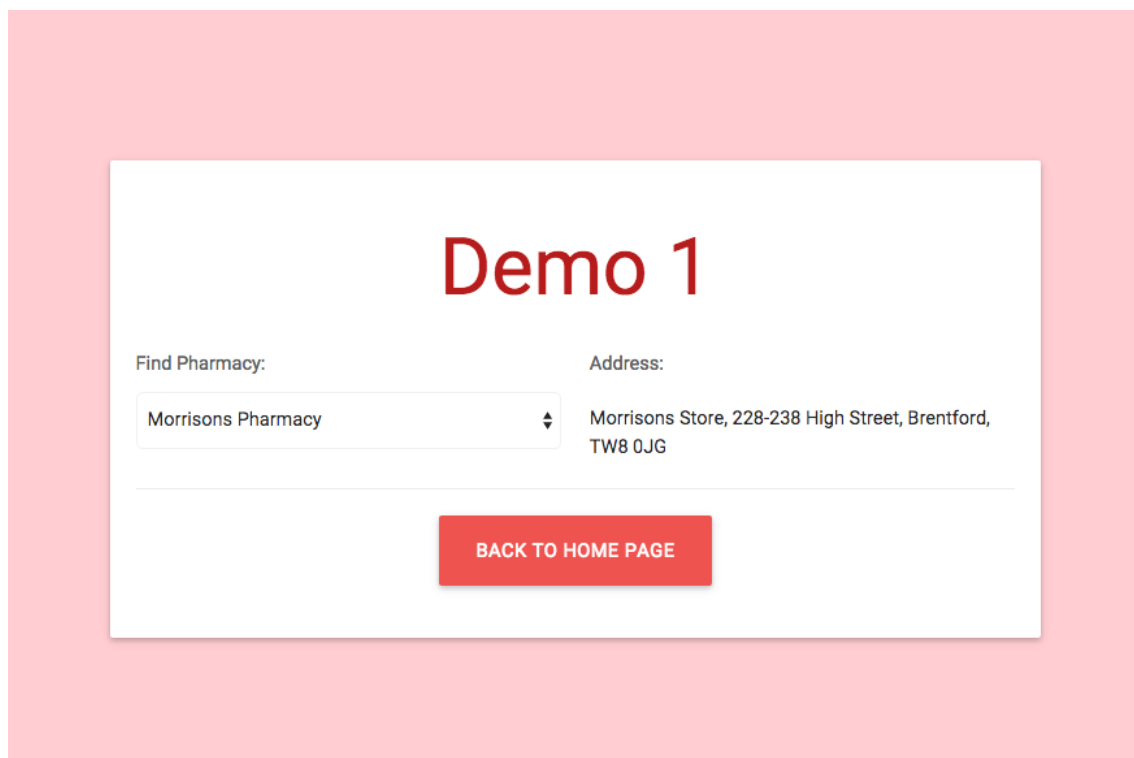
RG Assessment for Front-end Developer

1. Please build a simple web application following the directions and the screenshots below, which contains an entry page and two independent pages. The entry page only needs two links for directing to two independent pages: one is red theme and another one is green theme. (The red theme has dark red title, normal red buttons, and light red background, the green theme has dark green title, normal green buttons, and light green background). Try to implement it in good maintenance practices (consider if we are going to add more themes in the future, yellow, blue... etc).



2. Carry on after you finished the first step, now please open the red theme page, we are going to find pharmacies in a specific area, please add a `<select>` element on the page first.

- On page loaded, please call API ["//data.gov.uk/data/api/service/health/pharmacies/partial_postcode?partial_postcode=TW8"](https://data.gov.uk/data/api/service/health/pharmacies/partial_postcode?partial_postcode=TW8) to get all pharmacies and put the names ([organisation_name](#)) as the options of the `<select>` element.
- When user select an option of pharmacies, please display the correct full address of it on the page, the format should be: `"address1, address2, address3, city, postcode"`, notice that some of the fields may be empty.



3. Now please move to the green theme page, we need to make a table for recording a country's genders and their percentages.

- It should have two dropdown lists in the table row for creating the data:
 - (1) gender (with two options: [male](#), [female](#))
 - (2) percentage (with eleven options: [0%](#), [10%](#), [20%](#), [30%](#), [40%](#), [50%](#), [60%](#), [70%](#), [80%](#), [90%](#), [100%](#))
- When clicking “Add” button, it should append a row to the table with new data which had just been input.
- When clicking “Remove” button, that row should be removed from the table.
- Notice that the gender type cannot be duplicate, (e.g. we can't have “Male 30%, Male 20%”), and please make sure total percentage cannot exceed 100% (you can use any way to avoid the excess).

The screenshot shows a web application titled "Demo 2" on a light green background. The application features a table with two columns: "Gender" and "Percentage". The table currently contains one row: "Female" with "60%". To the right of this row is a grey "REMOVE" button. Below the table is a form with two dropdown menus: "Choose a gender" and "Choose a percentage". To the right of these dropdowns is a green "ADD" button. At the bottom of the form is a green button labeled "BACK TO HOME PAGE".

4. Please write at most one page to describe some good javascript principles, e.g. Global variables are bad because...

You can use Bootstrap, jQuery, AngularJS, ReactJS, or any CSS/JS framework and library you are familiar with to build your work.

Please send back a zip file containing all the code, and instruct how to set these up on a web server or any tool/ framework you use if it's needed.