*Read through this whole exercise before attempting.*

The following exercises are to test your knowledge of HTML, CSS and JavaScript.

To submit your work, please provide a link to a git repository (e.g. Github, Bitbucket). While a git repository is preferred, a zipped folder with your files is acceptable via email.

**Create a JavaScript, HTML and CSS pre-chat survey per mockups**

The Designers at TouchCommerce have provided you with the mockups below for a *pre-chat survey*.

They have also provided mockups of the different states that the pre-chat survey could be in depending on how the user is interacting with it.

*Figure 1* is the default state of the pre-chat survey.  
*Figure 2* is a field with focus.

All necessary images and icons for the exercise are in the assets folder of the project’s zipped file.

Your task is to produce an HTML page that is a pixel-perfect replication of the mockups using your HTML, CSS and JavaScript skillset.

On the pre-chat survey:

1. Add some form field validation:
   1. All fields are required. When the user clicks the Start Chat button and they have not filled out the required fields, the pre-chat survey should look like *Figure 3* with the appropriate error messages displayed to the user.
   2. When the user clicks the Start Chat button with the wrong phone number format, the pre-chat survey should display the appropriate error message as seen in *Figure 4*
2. Add a dynamic field as seen in *Figure 5* when the user selects California on the State dropdown field.

When the user clicks on the Start Chat button, and all fields are valid, replace the contents of the page with “Congratulations!! You have reached the chat agent” as seen in *Figure 6.*

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| Figure 1: Pre-chat Survey | *Figure 2: Pre-chat Survey – focused field* |
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| *Figure 3: Pre-chat Survey with validation errors* | *Figure 4: Pre-chat Survey with phone format validation error* |
| *Figure 5: Pre-chat Survey with dynamically added field* | *Figure 6: Content when pre-chat survey fields are valid* |