

Assessment #1 – Form Construction and Validation

The attached form (index.html) is missing some important steps and validation. In this exercise, you will be adding the missing details and improve the overall user experience. This assessment aims to test your ability to construct easy-to-use forms that we maintain in production today.

Improving User Experience Part I – Form Reconstruction

Break the form up into three different steps to help split up the process into more digestible sections:

- Step 1 - General Information
- Step 2 - Other Information
- Step 3 - Payment Method

You should only be concerned about form navigation in this step. Once this section is complete, you should be able to use the **Next** and **Back** buttons to navigate to each step of the form. Do not be concerned about the **Submit** feature or data validation yet.

Step 1 – General Information

The first step of the form should be like this mock-up:

A form titled "General Information" with the following fields: First Name, Last Name, Password (with a lock icon), Email (with an envelope icon), Phone (with a phone icon), Address (with a location pin icon), and Nation (with a globe icon). A blue "Next" button is located at the bottom right.

Step 2 - Other Information

The second step of the form should be like this mock-up:

A form titled "Other Information" with the following fields: Date of Birth, Language (a dropdown menu currently showing "English"), Twitter, Google, Facebook, and LinkedIn. At the bottom right, there are two buttons: a blue "Next" button and a grey "Back" button.

Step 3 – Payment Method

The final step of the form should be like this mock-up:



The mock-up shows a form titled "Payment Method". Below the title is a dropdown menu with the placeholder text "Select your preferred option". At the bottom right of the form are two buttons: a blue "Submit" button and a grey "Back" button.

Improving User Experience Part II – Form Validation

The form should not allow the user to continue to the next step of the form if the validation logic fails.

This logic should consider the following for each step:

- 1.) All fields must be filled out and are required
- 2.) Only valid emails must be allowed through
- 3.) Phone number must be in this format: ###-###-####

If the step is invalid, please let the user know their submission for this step is invalid. Do this in a way that does not sacrifice the user experience.

Do not worry about attaching this logic to the final step at this point (Step 3).

Upon the completion of this section, the form should now have validation logic for Steps 1 and 2.

Form Submission (Step 3 - Payment Method)

Write a routine that will collect the valid form data on submission and prints the JSON representation of the form to the console.

- 1.) This logic should be attached to the **Submit** button.
- 2.) The submission should only work if the form is valid. Show a notification if the user somehow attempts to submit invalid data.
- 3.) After writing the form JSON out to the console. Display a notification to the user letting them know the form was submitted properly. Feel free to make this look nice!
- 4.) You do not need to navigate them anywhere else if you do not wish. The submission logic is enough.

Deliverable Submission

- 1.) Please add comments to applicable changes where possible.
- 2.) Zip up the results and send the file in the response to the original assessment email.
- 3.) Feel free to bundle the results of your other assessments if applicable.