LAB 5 – JAVASCRIPT FORM PROCESSING
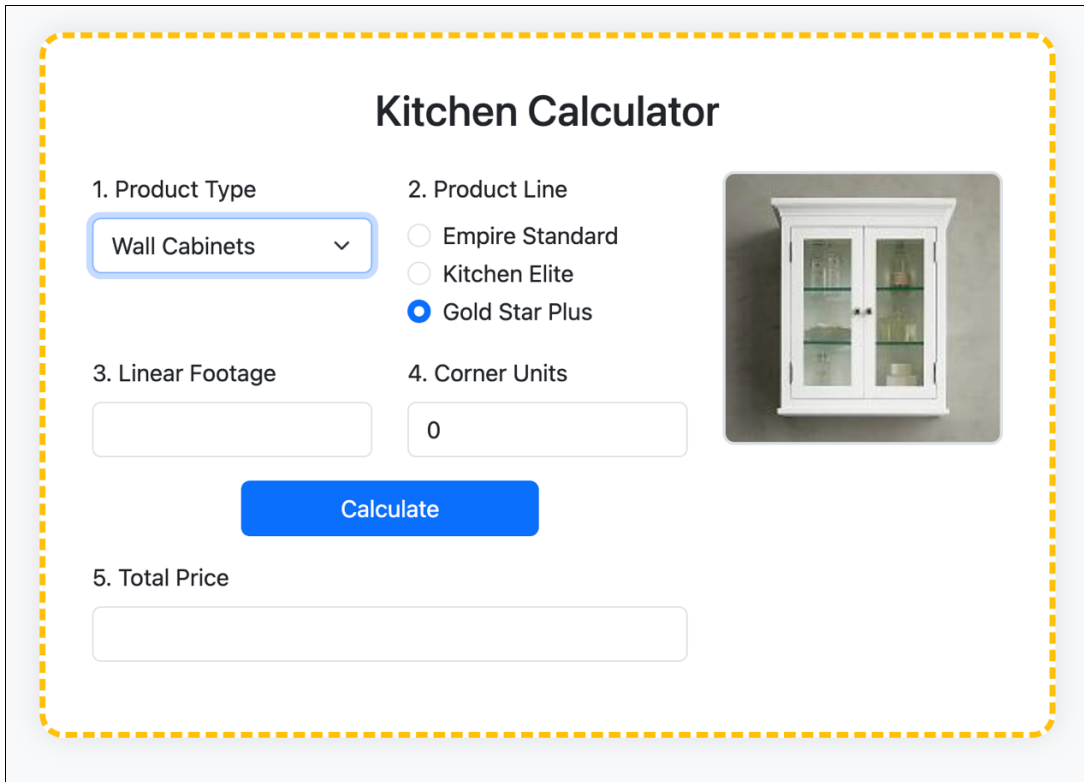
EXERCISE: KITCHEN CALCULATOR

1. Create the following Web Application Interface:

Note: The options for the product type drop down list are defined with:

```
<select id="Select1" name="D1" onclick="return Select1_onclick()">

        <option>--Select Your Product--</option>

        <option>Base Cabinets</option>

        <option>Wall Cabinets</option>

        <option>Counter Tops</option>

</select>
```

BUSINESS LOGIC

2. Write a JavaScript Function getTotalPrice() for the calculate button so that it calculates based on the following prices:

	Empire Standard	**Kitchen Elite**	**Gold Star Plus**
Wall Cabinets	$99.99 / foot	$179.00 / foot	$200.99 / foot
Base Cabinets	$69.99 / foot	$79.00 / foot	$99.99 / foot
Counter Tops	$30.99 / foot	$189.99 / foot	$212.99 / foot
Corner Units	*$50.99 – each*	*$79.99 – each*	*$89.99 – each*

3. Use the images in the "**kitchens.zip**" folder from the Brightspace page so that the correct image displays when the drop-down list box is displayed.

4. Use a div element and toggle the visibility of the text box for option 4. When countertops are selected do not show this option.

5. If empire standard is selected surround the interface with a blue border. Use different border colors or styles for Kitchen Elite and Gold Star Plus.

STYLING

6. The sample form has only basic styling. Experiment with Bootstrap Form CSS classes to improve the layout of your form.

FORM VALIDATION RULES

7. Use HTML 5 and CSS form validation to apply the following rules:
    a. Make all the fields "Required". The browser-based error message is good enough for this.
    b. The Linear Footage must be between 3 & 50 feet.
        i. (**BONUS**) Use JavaScript to provide a custom error message: "Linear footage must be between 3 to 50 feet"
    c. The number of Corner Units must be between 0 & 5.
        i. (**BONUS**) Use JavaScript to provide a custom error message: "The number of Corner Units must be from 0 to 5"

APPENDIX

TECHNICAL REFERENCES:

⇒ Dom Selection:
  - Select Box
  - Select Option
⇒ Radio Button
  - Button Values
  - Radio Checked
⇒ Forms:
  - CSS Forms
  - Bootstrap Forms
    - Bootstrap Form Input
  - JavaScript Custom Validation
⇒ Mozilla HTML Form Validation:
  Mozilla HTML Form Validation

TEXT READINGS:

⇒ HTML5, JavaScript, and jQuery 24-Hour Trainer
  - Lesson 6 - HTML Forms
  - Lesson 8 – HTML Validation

(END OF LAB)