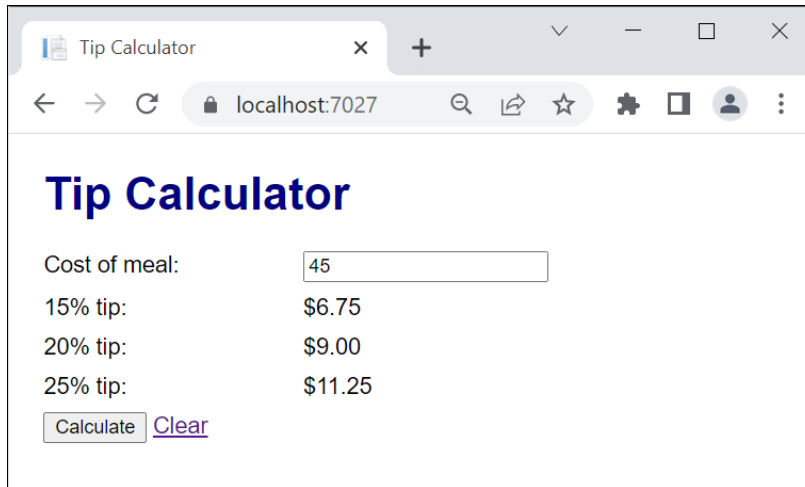


Project 2-2 Build the Tip Calculator app

For this project, you will build a single-page app like the one shown below.



The screenshot shows a web browser window with the title 'Tip Calculator'. The address bar shows 'localhost:7027'. The page content includes the title 'Tip Calculator' in a large blue font. Below the title, there is a form with the following elements:

- 'Cost of meal:' label followed by a text input field containing the value '45'.
- '15% tip:' label followed by the value '\$6.75'.
- '20% tip:' label followed by the value '\$9.00'.
- '25% tip:' label followed by the value '\$11.25'.
- At the bottom, there are two buttons: 'Calculate' and 'Clear'.

Specifications

- When the app starts, it should display an empty text box and tip amounts of \$0.00.
- If the user enters a valid meal cost and clicks the Calculate button, the app should calculate and display the tip amounts as shown above.
- If the user enters invalid data and clicks the Calculate button, the app should display a summary of validation errors above the form and \$0.00 for the tip amounts.
- The cost of the meal is required and must be a valid number that's greater than 0.
- If the user clicks the Clear link, the app should reset the page to how it was when the app first started.
- Use the MVC pattern. To do that, create a model class that stores the cost of the meal and includes a helper method for calculating the tip percentages.
- Use a Razor layout to store the <html>, <head>, and <body> elements.
- Use a custom CSS style sheet to style the HTML elements so they appear as shown above.