In these exercises you are only going to work with frontend technologies (HTML, CSS and JavaScript).  There is no ASP.NET MVC involved.

**Exercise 1**

[**X**] using Visual Studio, create an empty Web site project.

[**X**] Create an HTML file called index.html.  At any give time during the following you can start the application as you've done before.  After completing any given step you can simple refresh the Web page displayed in the browser to see the changes you have made.

1. Include the following in index.h

[**X**] Standard HTML structure tags (Visual Studio will do this for you when you create an HTML file)

[**X**] Title, using the HTML title tag, for the page

[**X**] Header, using the HTML 5 header tag, that contains the application name

[**X**] Navigation bar (using the HTML 5 nav tag) under the header containing the following links:

* + 1. Link (using the HTML anchor tag) to a registration page
    2. Link to a help page.

[**X**] 3 paragraphs of text (use paragraph tags enclosed in a section tag)

[**X**] Footer that contains a copyright and some text

1. Create the registration page containing the following:

[**X**] Title

[**X**] Heading

[**X**] Navigation with links allowing user to go back to home page (index.html) or to the help page

* 1. An HTML form with the following (you can put each item in a paragraph tag to place them on separate lines):
     1. Label and input field for first name (allow max characters of 10)
     2. Label and input field for last name (allow max characters of 15)
     3. Label and input field for age
     4. Label and input field for year in school using radio buttons
     5. Register button
  2. Footer

1. Create the help page with a table containing the following:

[**X**] Title

[**X**] Heading

[**X**] Navigation with links allowing user to go back to home page (index.html) or to the registration page

[**X**] HTML table with the following:

* + 1. Heading row
    2. Rows for each page in your application
    3. Column for the page name and a column for a page description

**Exercise 2**

[**X**] Create a folder named "styles".

[**X**] Create a stylesheet named app.css under the "styles" folder that will contain your application styles.

[**X**] Add a reference (use link tag) to each of your pages that points to the new stylesheet file.

[**X**] Add a set of styles specific to the "body" element including the following:

* + 1. Font family (you can choose a font)
    2. Font size (try different sizes: 10px, 16px, etc)
    3. Background color
    4. Text color
  1. Add a set of styles specific to the "header" element including the following:
     1. Background color
     2. Text color
     3. Height of 40 pixels
     4. Add top padding to move the text down
  2. Add a set of styles specific to the "nav" element including the following:
     1. Background color
     2. Text color
     3. Height of 40 pixels
     4. Add top padding to move the text down
  3. Add css class name to the section tag on the first page
  4. Add a set of styles for the class name you added to the section tag
     1. Text color
     2. font-style: italic
  5. Add the same class name to the table on the help page
  6. Add a css class to each of the form entry paragraphs
  7. Add a set of styles for the class name you added to the form paragraphs
     1. Top and bottom padding of 5px
  8. Add a set of styles for "tables"
     1. Add solid black border of 2px in width

**Exercise 3**

1. Create a folder called "scripts".
2. Create a file under the "scripts" folder named app.js that will contain your JavaScript functions.
3. Add a reference (use script tag) to the registration page that points to the new JavaScript file.
4. Create a function that collects the first name, last name and age from the form and summarizes it somewhere on the same page.
5. Call the function when the registration button is clicked.
6. Extra credit: Add validation (check to see if field has been entered) and inform the user via the JavaScript alert function that a field is required.

**Extra Credit**

Add something else involving HTML, CSS or JavaScript to your app.