

WEB SITE: Sham's Biryani Co

REQUIREMENT:

Sham Balochio (the owner) wants a brand new website to help promote his chain of Biryani restaurants. He tells you that he wants the website to look stylish and incorporate some design aspects inspired by his Indian roots. He wants a menu and information about the locations of all the different restaurants he operates. Sham would also love to have a page for news items so he can let his customers know about all the great things that his company does.

STRUCTURING A WEB PAGE: Creating Layout

When you create page layouts, you need a logical structure.

1. A header
2. Some navigation
3. Some page content
4. A footer

Planning the Sitemap

The first task to complete when starting a new website project is to create a *sitemap*. This defines how many pages your website will have and what those pages will be. Starting from what Sham has requested, here is the sitemap for the website you are going to build:

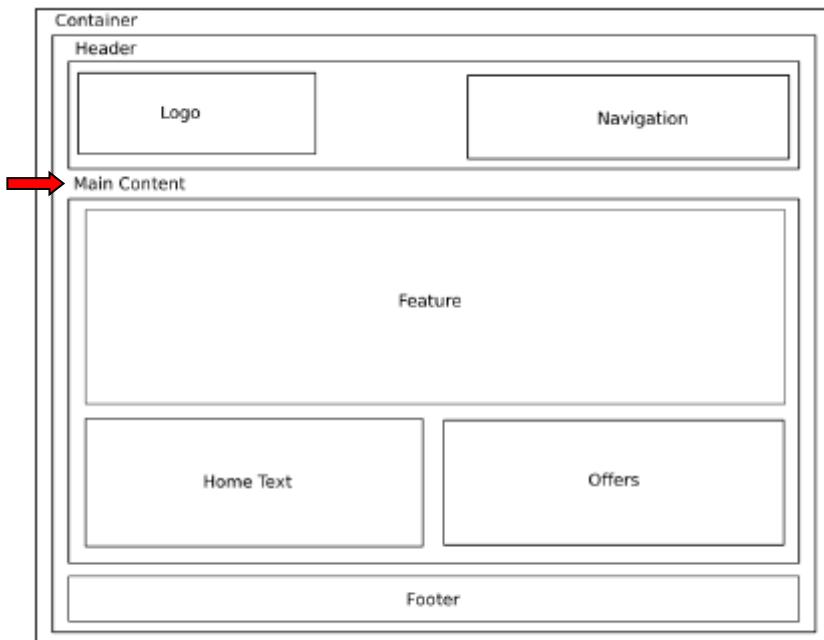
1. Home
2. About
3. News
4. Menu
5. Locations
6. Sitemap

Creating Layout Templates

- Create **two templates** for your website: one for the *home page* and one for the *content pages*.
- Content pages primarily contain text, so they need a slightly different layout from the home page.

Before coding, it's best to create a rough mock-up of how you want the pages to look. These mock-ups, often referred to as *wireframes*, use boxes to indicate the position of key elements, such as the navigation, content, and logo.

- Create a few quick wireframes for the home and content page templates.
- All your web pages will have five common elements: a header, logo, navigation, main content area, and footer.
- You can use these key elements to create a quick wireframe for your pages.



Wireframe of the home page layout.

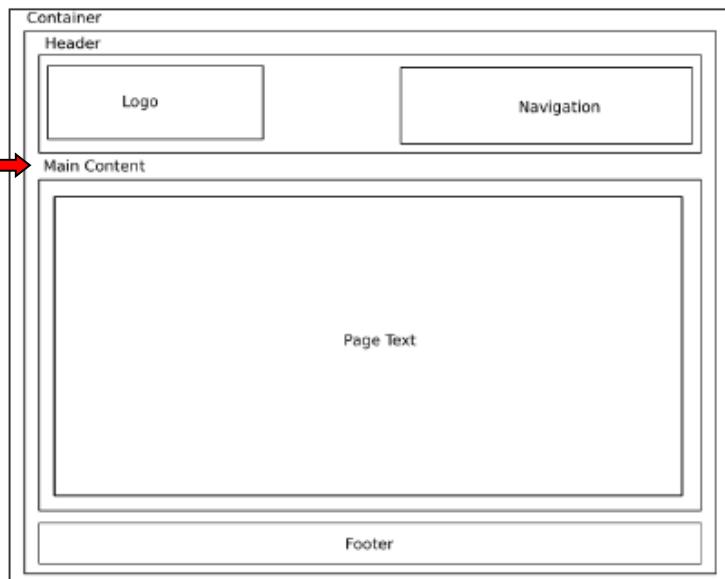
This **home page** wireframe shows the position of all the main page sections:

- The header, which contains the logo and navigation
- The main content area;
- The footer.

The home page will have three sections that contain the page content:

- A main feature to attract the viewers' attention,
- A text box for some initial information about the company
- A section for displaying special offers.

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Wireframe of the content page layout.

For the **content page template**, you will use a similar layout, changing only the main content area by replacing the three content sections with a single area for the page text.

Creating the Template Files

Creating the Home Page Template

1. Create a new **folder** called ***Shams-Biryani***.
2. In this folder, create a new **file** called ***index.html***.
3. Add a **<head>** portion with a suitable title and an empty **<body>** portion to this file.
4. Save the file.

Creating the Content Page Template

1. Create a new **file** in the Shams-Biryani folder called ***about.html***.
2. Add similar code as the above to this file.
3. Save the file.

Adding a <div> Element to Each Template in the body portion.

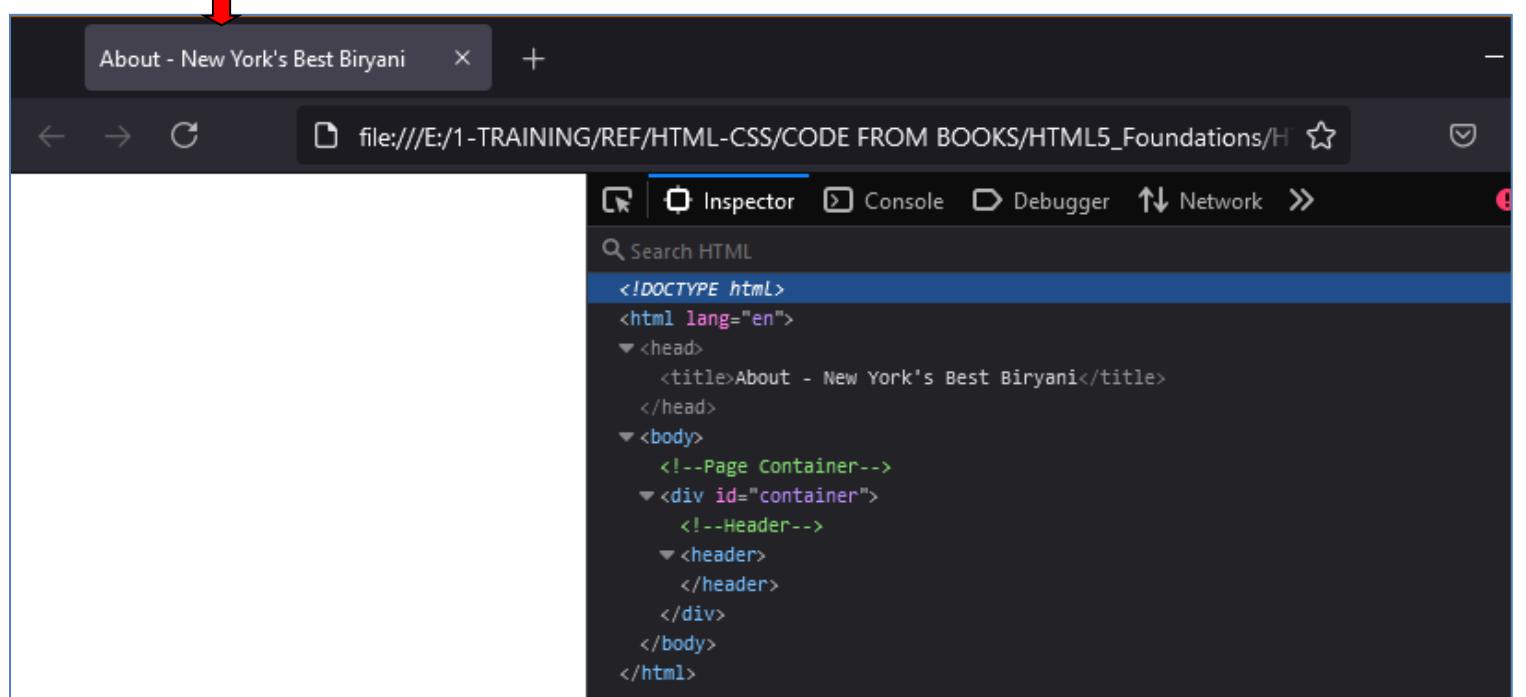
Use a **<div>** element to create a container for all of the page content.

1. Open the ***index.html*** and ***about.html*** template files in your text editor.
2. Add suitable code to the **<body>** elements in each of the files as per required above.
3. Save the ***index.html*** and ***about.html*** files.

Adding a <header> Element to Each Template inside the created division

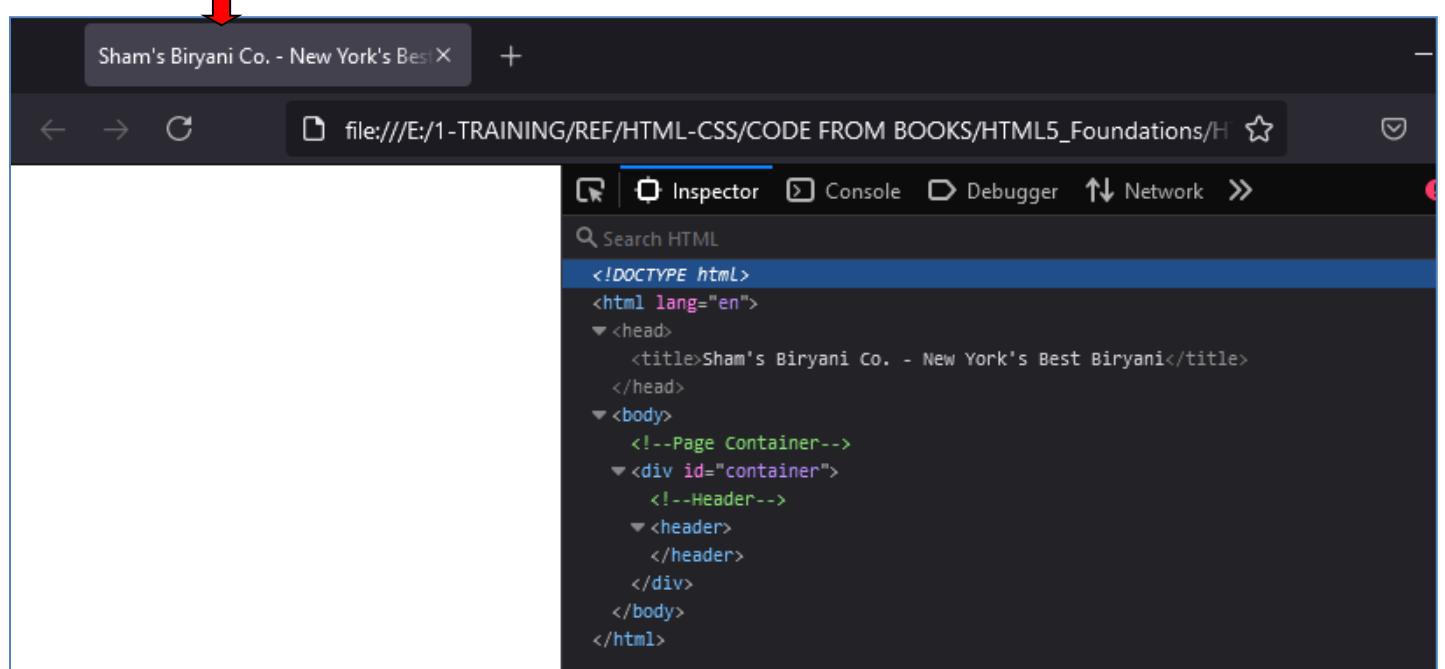
1. Open the ***index.html*** and ***about.html*** files in your text editor
2. Add a **<header>** element to both of your page templates
3. This should be placed within the **<div>** container that you just created.
4. Save the files.
5. Open the files in your web browser.
6. Inspect the page using your developer tools to make sure that the new **<header>** is within the container **<div>**

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A screenshot of a browser window showing the 'Inspector' tab of the developer tools. The title bar says 'About - New York's Best Biryani'. The address bar shows 'file:///E:/1-TRAINING/REF/HTML-CSS/CODE FROM BOOKS/HTML5_Foundations/H'. The developer tools sidebar has tabs for Inspector, Console, Debugger, and Network. The main pane shows the HTML structure:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>About - New York's Best Biryani</title>
  </head>
  <body>
    <!--Page Container-->
    <div id="container">
      <!--Header-->
      <header>
        </header>
      </div>
    </body>
  </html>
```



A screenshot of a browser window showing the 'Inspector' tab of the developer tools. The title bar says 'Sham's Biryani Co. - New York's Best Biryani'. The address bar shows 'file:///E:/1-TRAINING/REF/HTML-CSS/CODE FROM BOOKS/HTML5_Foundations/H'. The developer tools sidebar has tabs for Inspector, Console, Debugger, and Network. The main pane shows the HTML structure:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Sham's Biryani Co. - New York's Best Biryani</title>
  </head>
  <body>
    <!--Page Container-->
    <div id="container">
      <!--Header-->
      <header>
        </header>
      </div>
    </body>
  </html>
```

BOTH PAGES HAVE THE SAME STRUCTURE.

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NEXT:

In your wireframes, your header contained two other elements: a logo and some navigation. For the logo, you will use a <div> element with the ID logo.

1. Open the *index.html* and *about.html* files in your text editor.
2. Add a new <div> element for the logo to each template. This should be placed within the <header> element you just added.
3. Save the files
4. Add some dummy text so that the element can be more easily identified when you view the templates in your browser.

Adding a <nav> Element to Each Template

All websites need navigation links to enable users to easily move between different pages.

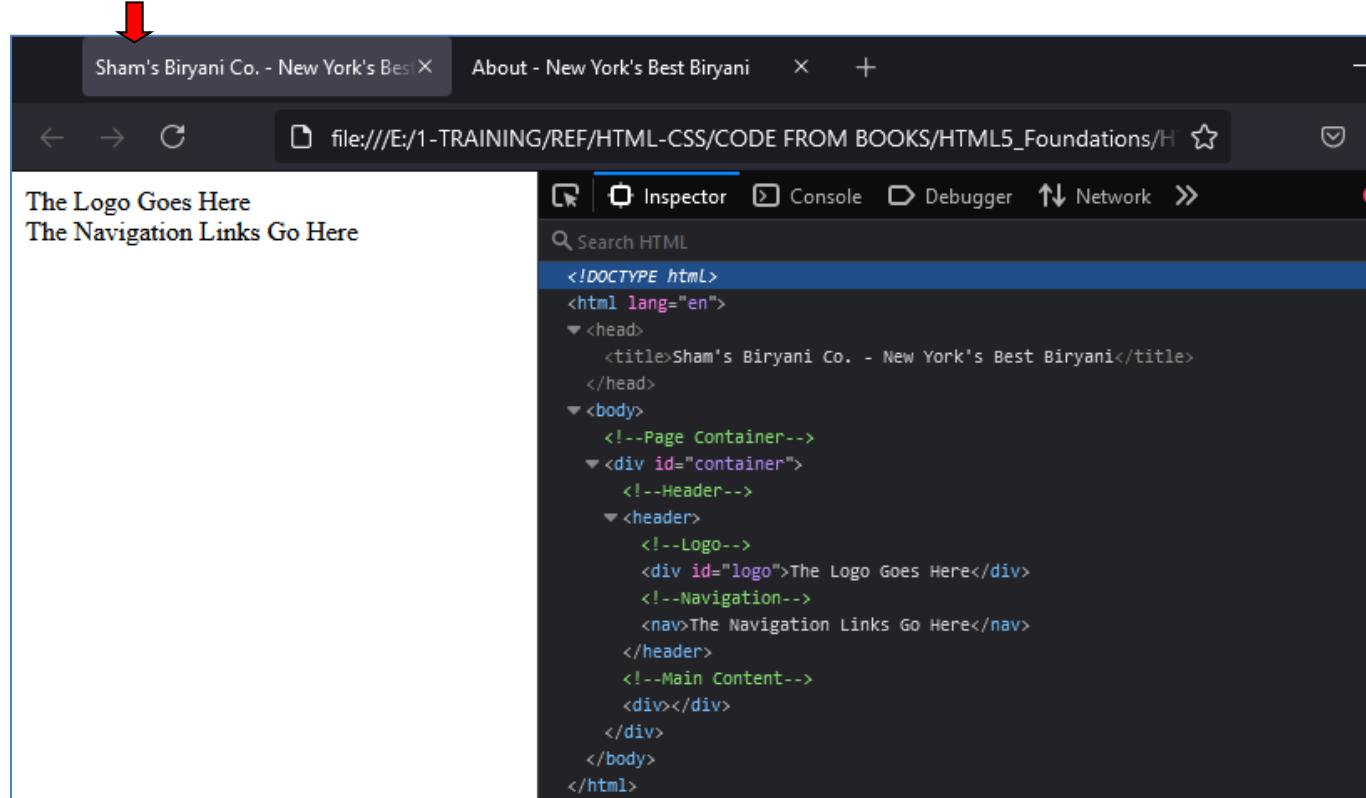
1. Open the *index.html* and *about.html* files in your text editor.
2. Add a new <nav> element under the logo, as shown in the following code.
3. Save the files.
4. Open the files in your web browser.
5. Use the developer tools to inspect the page and make sure that the new <nav> element is listed below the logo.
6. Again, add some dummy text to make this element more visible.

Adding <section> Elements

The <section> element should be used to represent a generic section of your web page. For the templates that you are building, you will use a number of <section> elements to define the different parts of the main content. However, before you start adding these elements, you first need to create a new <div> element that will be used to group the main content sections together.

1. Open the *index.html* and *about.html* files in your text editor.
2. Create a new <div> element below the <header> in your templates.
3. Save the files.
4. Open the files in your web browser.

Inspect the page using your developer tools and make sure that this new <div> appears below the <header> element.



BOTH PAGES HAVE THE SAME STRUCTURE.

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Up until this point, the home and content page templates have been nearly identical. However, if you refer back to the original wireframes you created earlier, you will see that *the main content area for the templates is different*, so you need to add different code for this section in your two template files.

Adding a <section> Element to the Content Page Template

The content page template contains only one big space for the page text. For this, you will use a single <section> element.

1. Open the ***about.html*** file in your text editor.
2. Add a new <section> element within the <div> that you just created in the content page template. You should give this new element an ID of page-text.
3. Save the file.
4. Open the *about.html* file in your web browser.
5. Inspect the page using your developer tools and make sure that this new <section> appears within the main content <div>.
6. Open the content page template in your web browser. You should see that the page text section is now displayed,

Adding <section> Elements to the Home Page Template

The home page layout is a little more complex because it has three separate content sections: one for a main feature banner, one for some information about the company, and one for special offers. You will use a <section> element for each of these.

1. Open the ***index.html*** file in your text editor.
2. **Add a <section> element** within the main content <div> and give it an ID of feature.
 - o Add some text for visibility (eg. **The Main Feature Banner Goes Here**)
3. **Now add another <section> element** below that one, this time with the ID of home-text.
 - o Add some text for visibility (eg. **The Company Information Goes Here**)
4. **Finally, add a third <section> element** with the ID of offers.
 - o Add some text for visibility (eg. **The Special Offers Go Here**)
5. Save the file.
6. Open the *index.html* file in your web browser.
7. Inspect the page using your developer tools and make sure that these <section> elements are displayed in the following order: ***feature, home text, special offers***.

Here you have given each of these new elements an ID so that they can be easily selected for styling with CSS.

Adding a <footer> Element to Each Template

1. Open the ***index.html*** and ***about.html*** files in your text editor.
2. Add a <footer> element to each of your page templates.
3. You should place this under the main content <div>.
4. Add some text for visibility (eg. **The Boring Legal Stuff Goes Here**)
5. Save the files.

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Sham's Biryani Co. - New York's Best

About - New York's Best Biryani

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file:///E:/1-TRAINING/REF/HTML-CSS/CODE FROM BOOKS/HTML5_Foundations/HTML5_Found

The Logo Goes Here
The Navigation Links Go Here
The Main Feature Banner Goes Here
The Company Information Goes Here
The Special Offers Go Here
The Boring Legal Stuff Goes Here

```
Inspector Console Debugger Network Style Editor
Search HTML
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Sham's Biryani Co. - New York's Best Biryani</title>
  </head>
  <body>
    <!--Page Container-->
    <div id="container">
      <!--Header-->
      <header>
        <!--Logo-->
        <div id="logo">The Logo Goes Here</div>
        <!--Navigation-->
        <nav>The Navigation Links Go Here</nav>
      </header>
      <!--Main Content-->
      <div>
        <!--Feature-->
        <section id="feature">The Main Feature Banner Goes Here</section>
        <!--Home Text-->
        <section id="home-text">The Company Information Goes Here</section>
        <!--Special Offers-->
        <section id="offers">The Special Offers Go Here</section>
      </div>
      <!--Footer-->
      <footer>The Boring Legal Stuff Goes Here</footer>
    </div>
  </body>
</html>
```

Sham's Biryani Co. - New York's Best

About - New York's Best Biryani

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file:///E:/1-TRAINING/REF/HTML-CSS/CODE FROM BOOKS/HTML5_Foundations/HTML5_Found

The Logo Goes Here
The Navigation Links Go Here
The good stuff goes here!
The Boring Legal Stuff Goes Here

```
Inspector Console Debugger Network Style Editor
Search HTML
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>About - New York's Best Biryani</title>
  </head>
  <body>
    <!--Page Container-->
    <div id="container">
      <!--Header-->
      <header>
        <!--Logo-->
        <div id="logo">The Logo Goes Here</div>
        <!--Navigation-->
        <nav>The Navigation Links Go Here</nav>
      </header>
      <!--Main Content-->
      <div>
        <!--Page Text-->
        <section id="page-text">The good stuff goes here!</section>
      </div>
      <!--Footer-->
      <footer>The Boring Legal Stuff Goes Here</footer>
    </div>
  </body>
</html>
```

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Extending the <head> with Metadata

The `<meta>` element is an example of a *void* element and therefore has no end tag. In this assignment, you add metadata to the `<head>` in your page templates that will provide computer programs with a description of the page, related keywords, and the name of the author.

1. Open the `index.html` file in your text editor.
2. Add the following `<meta>` elements to the `<head>`. They should be placed below the `<title>` element.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Sham's Biryani Co. - New York's Best Biryani</title>
    <meta name="description" content="Sham's Biryani is the home of the best Biryani in all of New York City.">
    <meta name="keywords" content="biryani,sham biryani,mutton,mughal,nawabi">
    <meta name="author" content="YOUR NAME">
</head>
```

3. Save the `index.html` file.
4. Open the `index.html` file in your web browser.
5. Use the developer tools to inspect these new `<meta>` elements and make sure that they all show up properly.
6. Now add these same three `<meta>` elements to your `about.html` file.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>About - New York's Best Biryani</title>
    <meta name="description" content="Sham's Biryani is the home of the best Biryani in all of New York City.">
    <meta name="keywords" content="biryani,sham biryani,mutton,mughal,nawabi">
    <meta name="author" content="YOUR NAME">
</head>
```

7. Be sure to update the value of the content attributes to reflect the content of the page.
8. Save the `about.html` file.

Styling the Page with CSS

1. Create a new folder in your project directory called `css`.
2. Use the `style.css` file provided and place it in the `css` folder.
3. Create a new folder called `img` in your project directory.
4. Use the image files provided and place them in your new `img` folder.
5. There should be two files: `bodyBg.png` and `featureBg.png`. These files are referenced in the CSS code.
6. Open the `index.html` and `about.html` files in your text editor.
7. Add the following `<link>` element to the `<head>` of your page templates.

```
<head>
    <meta charset="utf-8">
    <title> ..... </title>

    <link rel="stylesheet" href="css/style.css">

    <meta name="description" content="Sham's Biryani is the home of the best Biryani in all of New York City.">
    <meta name="keywords" content="biryani,sham biryani,mutton,mughal,nawabi">
    <meta name="author" content="YOUR NAME">
</head>
```

8. Save the files.

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