# Exercise 02.01: Create a Simple Web Site

1.  Create a folder named **ContosoWebSite**

2.  Add a home page – create a new html file named **default.html** in the **ContosoWebSite** folder

3.  The **default.html** should be the same as the following:

    ```
    <!DOCTYPE html>

    <html lang="en" xmlns="http://www.w3.org/1999/xhtml">
    <head>
        <meta charset="utf-8" />
        <title></title>
    </head>
    <body>

    </body>
    </html>
    ```

4.  In the **<title>** element, set the title to **Contoso Ltd. Home Page**

5.  Create a sub-folder in **ContosoWebSite** named **Images**

6.  Copy the file **ContosoLogo.jpg** into the **Images** folder

7.  In the **<body>** element, add a comment and set the text to **Add <img> with Contoso logo**

8.  Use the **<h1>** element to create the heading **Welcome to Contoso Ltd.** Just after the comment

9.  Add a comment after the <h1> element and set the comment text to **Add <iframe> here**

10. Your **default.html** page should look like the following:

    ```
    <!DOCTYPE html>

    <html lang="en" xmlns="http://www.w3.org/1999/xhtml">
    <head>
        <meta charset="utf-8" />
        <title>Contoso Ltd. Home Page</title>
    </head>
    <body>
        <!--Add <img> with Contoso logo-->
        <h1>Welcome to Contoso Ltd.</h1>
        <!--Add <iframe> here-->
    </body>
    </html>
    ```

11. Save **default.html**

12. Run **default.html**

13. Correct any errors

# Exercise 02.02: Create Additional Pages

This exercise is a continuation of Exercise 02.01.

1. Add a new web page named **MainContent.html** in the **ContosoWebSite** folder

2. Add the following text to the **<body>** element of the **MainContent.html** page:
   **Here is the main content for the home page**

3. Set the **title** to **Main Content**

4. Your HTML should look like the following:

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta charset="utf-8" />
    <title>Main Content</title>
</head>
<body>
    Here is the main content for the home page
</body>
</html>
```

5. Save **MainContent.html**

6. Run **MainContent.html**

7. Correct any errors

8. Add a new web page named **HumanResources.html** in the **ContosoWebSite** folder

9. Add the following text to the **<body>** element of the **HumanResources.html** page: **Human Resources content here**

10. Save **HumanResources.html**

11. Run **HumanResources.html**

12. Correct any errors

13. Add a new web page named **ExpenseReports.html** in the **ContosoWebSite** folder

14. Add the following text to the **<body>** element of the **ExpenseReports.html** page: **Expense Report content here**

15. Save **ExpenseReports.html**

16. Run **ExpenseReports.html**

17. Correct any errors
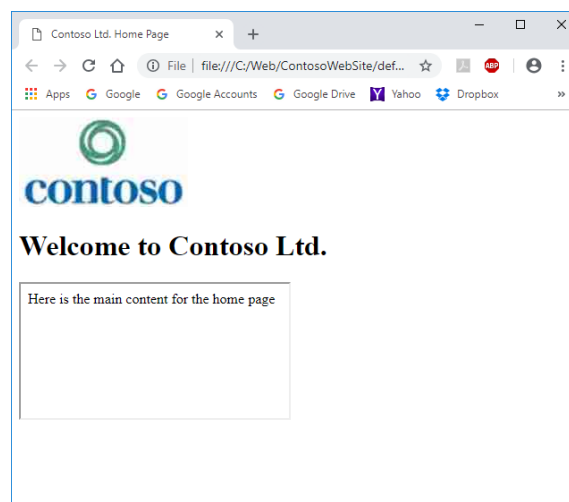
# Exercise 02.03: Embedding Content

This exercise continues on from Exercise 02.02. This exercise

1. Open the **default.html** file and locate the comment that states that an **<img>** tag is to be added

2. Add an **<img>** tag after the comment and set the **src** attribute to **Images/ContosoLogo.jpg**

3. Locate the comment that states that an **<iframe>** tag is to be added and add an **<iframe>** element with a **name** attribute set to **iframeContent** and an **src** attribute set to **MainContent.html**

4. The **default.html** page should look like the following

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta charset="utf-8" />
    <title>Contoso Ltd. Home Page</title>
</head>
<body>
    <!--Add <img> with Contoso logo-->
    <img src="Images/ContosoLogo.jpg" />
    <h1>Welcome to Contoso Ltd.</h1>
    <!--Add <iframe> here-->
    <iframe name="iframeContent" src="MainContent.html"></iframe>
</body>

</html>
```

5. Save **default.html**

6. Run **default.html**

7. Correct any errors

8. The rendered screen is shown below:

9. On the default.html page, after the **<h1>** element, add a hyperlink for **Human Resources** that references the **HumanResources.html** file and targets the **<iframe>** element called **iframeContent**

10. After the **Human Resources** hyperlink, add a hyperlink for **Expense Reports** that references the **ExpenseReports.html** file and targets the **<iframe>** element called **iframeContent**

11. Add a **<br />** element after the **Expense Reports** hyperlink

12. The completed **default.html** file should look like the following.

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta charset="utf-8" />
    <title>Contoso Ltd. Home Page</title>
</head>
<body>
    <!--Add <img> with Contoso logo-->
    <img src="Images/ContosoLogo.jpg" />
    <h1>Welcome to Contoso Ltd.</h1>
    <a href="HumanResources.html" target="iframeContent">Human Resources</a>
    <a href="ExpenseReports.html" target="iframeContent">Expense Reports</a>
    <br />
    <!--Add <iframe> here-->
    <iframe name="iframeContent" src="MainContent.html"></iframe>
</body>
</html>
```

13. In the **HumanResources.html** and **ExpenseReports.html** files, add a **<br />** tag to the end of the body text, and then add a hyperlink to the home page that references **MainContent.html**

The following is an example of the completed **ExpenseReports.html** file:

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta charset="utf-8" />
    <title></title>
</head>
<body>
    Expense Report content here
    <br />
    <a href="MainContent.html" >Home</a>
</body>
</html>
```
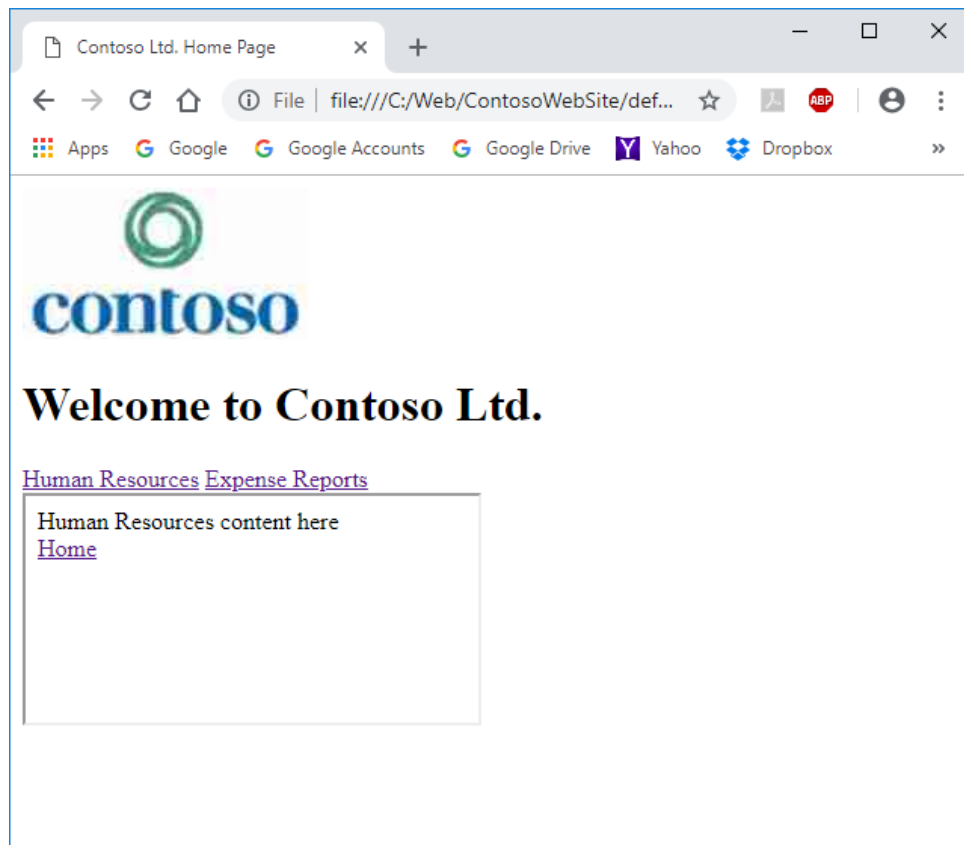
14. Save all files

15. Run **default.html**

16. You should see the new home page with hyperlinks. If you click the Human Resources hyperlink, you should see the **HumanResources.html** content load into the **<iframe>** element, as shown in the figure below. In the **<iframe>** content, you should see a hyperlink to the home page that you can click to reload the **MainContent.html** file into the **<iframe>** element.

# Exercise 02.04: `<iframe>`

1. Create a new html file and on the page add an **`iframe`** with a URL address that goes to: **`http://corktrainingcentre.ie/`**

2. Set the width of the **`iframe`** to 500 pixels.

3. Change the colour of the **`iframe`**'s border to **`red`**

4. After seeing the red border, you decide it would be better without any border, therefore, remove the border from the **`iframe`**