# Lab 4: Using Flexbox

In this lab, you’ll demonstrate your ability to use the flexible box model to modify the layout of a webpage.

## Instructions

1. Create a file and folder structure as shown. (Folders /images and /scripts are empty.)

Text

Description automatically generated

1. Replicate the web page shown below.
2. Submission instructions:
   1. In Windows File Explorer, right-click the folder Lab4, and choose 7-Zip -> Add to “Lab4.zip”
   2. Upload the file Lab4.zip to Brightspace.
3. Submit your lab by the due date listed in Brightspace. See the marking criteria below for details on how you will be assessed.

**Site Contents**

|  |
| --- |
| Flexbox Lab All boxes have a height of 50px.  You may select any colour you like for the boxes and their borders. Two equally sized columns The space between the columns, and between the columns and the outer box, is 10px.   Three equally sized columns The space between the columns, and between the columns and the outer box, is 15px.   Three unequal columns The first column is exactly double the width of the other two.  The space between columns, and between the columns and the outer box, is 12px.  Each inner box has a 2px border.   Four equally sized columns and a footer The space between columns, and between the columns and the outer box, is 12px.  Each inner box has a 2px border. |

## Marking Criteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **0 Marks** | **1 Mark** | **2 Marks** | **Marks** |
| **HTML Syntax** | No HTML is submitted. | Code is visible on the page. | Page renders without visible errors. | /2 |
| **HTML Syntax** | No HTML is submitted. | HTML has syntax errors. | HTML passes validation with no errors. | /2 |
| **CSS Syntax and Formatting** | No CSS is submitted. | CSS stylesheet is not correctly linked or multiple stylesheets were created. | A single CSS file is correctly linked to both web pages. | /2 |
| **CSS Syntax and Formatting** | No CSS is submitted. | CSS has one or more errors in validation. | CSS passes validation with no errors. | /2 |
| **CSS Syntax and Formatting** | No CSS is submitted. | CSS contains inconsistent indentation, unnecessary blank lines, incorrect selectors, or significant repetition within declarations. | CSS is well formatted, with minimal repetition. Appropriate and simple selectors have been used. | /2 |
| **Flexbox** | Flexbox is not used. | Flexbox is not used correctly. | Flexbox is correctly used to align boxes. | /2 |
| **Flexbox** | No calculations are included within CSS declarations. | One or more width calculations are incorrect. | Width calculations are correct. | /2 |
| **Flexbox** | All boxes are missing their background colour. | One or more boxes are missing their background-colour. | Colours are applied to inner and outer boxes. | /2 |
| **Flexbox** | Page is blank. | Page differs significantly from provided sample. | Page is a reasonable replica of the provided sample. | /2 |
| **HTML Attributes** | No HTML is submitted. | Obsolete HTML elements are included. | Appropriate HTML elements are used in page. | /2 |
| **Total** |  |  |  | /20 |