Web Development Client Side

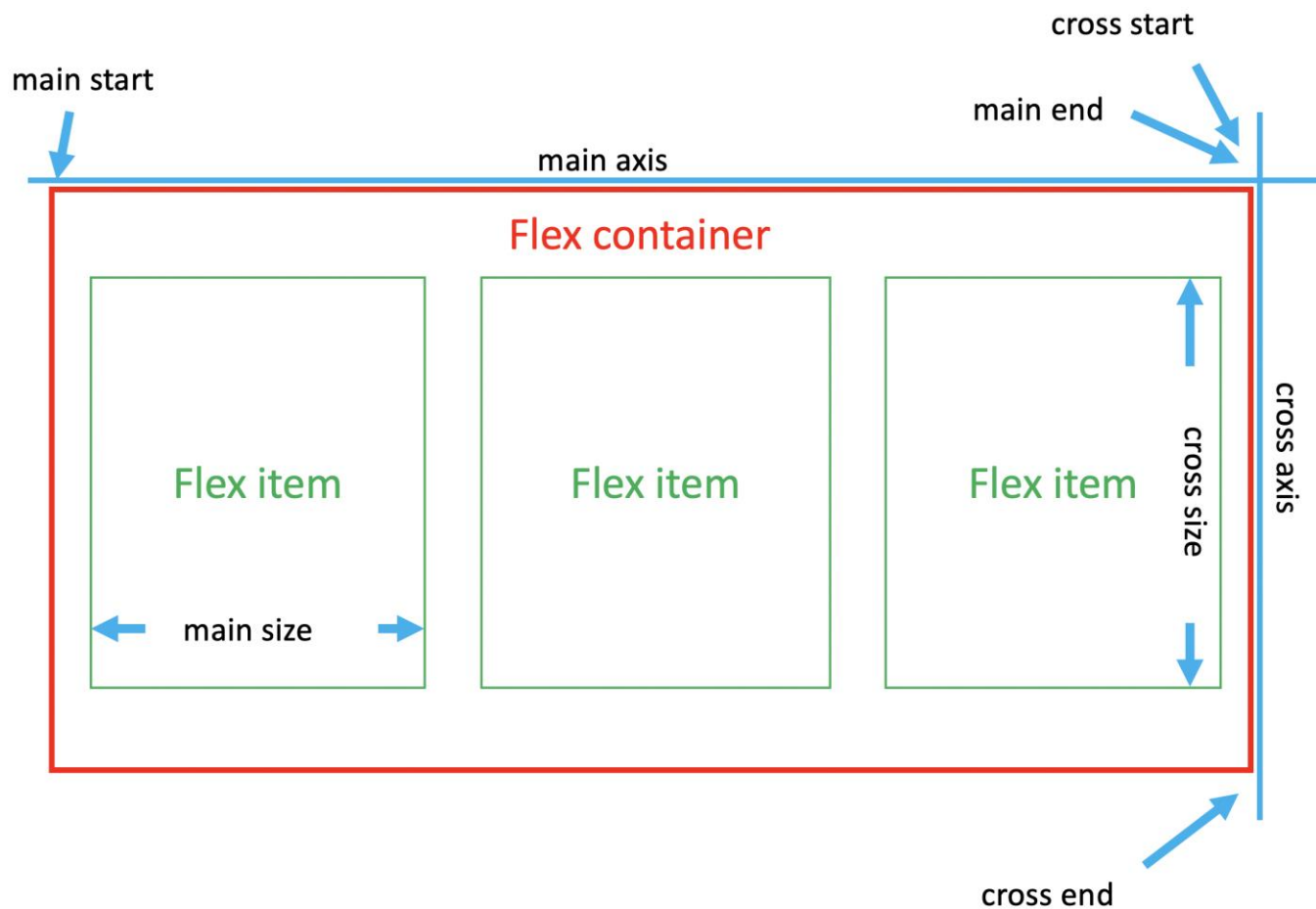## Week 1 - Lab Revision

Objective:

The purpose of this lab session is to create a web page that includes topics for revision, flex boxes, links and images.

Exercise 1:

Create a folder WebDevCS and create weekly lab folders within this folder, eg lab1, lab2 etc

Create a web page with flex box, images, links and a nav bar.

The files should be named Lab1.html, Lab1.css

In the body of the html document insert a **<main>.** This will serve as your flex container for this page. Flex items are how we refer to the child elements located inside the flex container. Inside the flex container insert three flex items using div tags.

You first flex item should have the class *flex1* and should include 1 heading "Flex item 1", followed by 2 paragraphs of text (use Lorem Ipsum.com)
You second flex item should have the class *flex2* and should include 1 heading "Flex item 2", followed by 1 paragraph of text (use Lorem Ipsum) and the kingfisher.jpg image from the images folder.

You third flex item should have the class *flex3* and should include 1 heading "Flex item 3", followed by 2 paragraphs of text (use Lorem Ipsum).

Your webpage should now look like this (zoomed out 50%):

Styling your page

Ensure that the image width is set to 100% in the CSS.

Set the main flex container to:

```
background-color: lightgray;

margin: .6rem;

padding: .6rem;
```

Set the flex items to:

```
margin: 1rem;

padding: 1rem;
```

Set each flex item to have a different color of background like this

The colours you see here are lightcyan, lightcoral, and lightsteelblue.

Insert Flex Rules

It is time to insert the two CSS properties that will turn the layout into a flex layout. The flex property *display* is used to turn a normal layout into a flexbox layout. It should be applied to the flex container.

```
display: flex;
```

The flex property *flex* can be applied to the flex items to determine what proportion of space each flex item takes up.

```
flex:1;
```

Apply the flex property to each of your flex item so that the that .flex2 takes up twice as much space as .flex1 or .flex3 (see lecture notes). The page should look something like the image below:
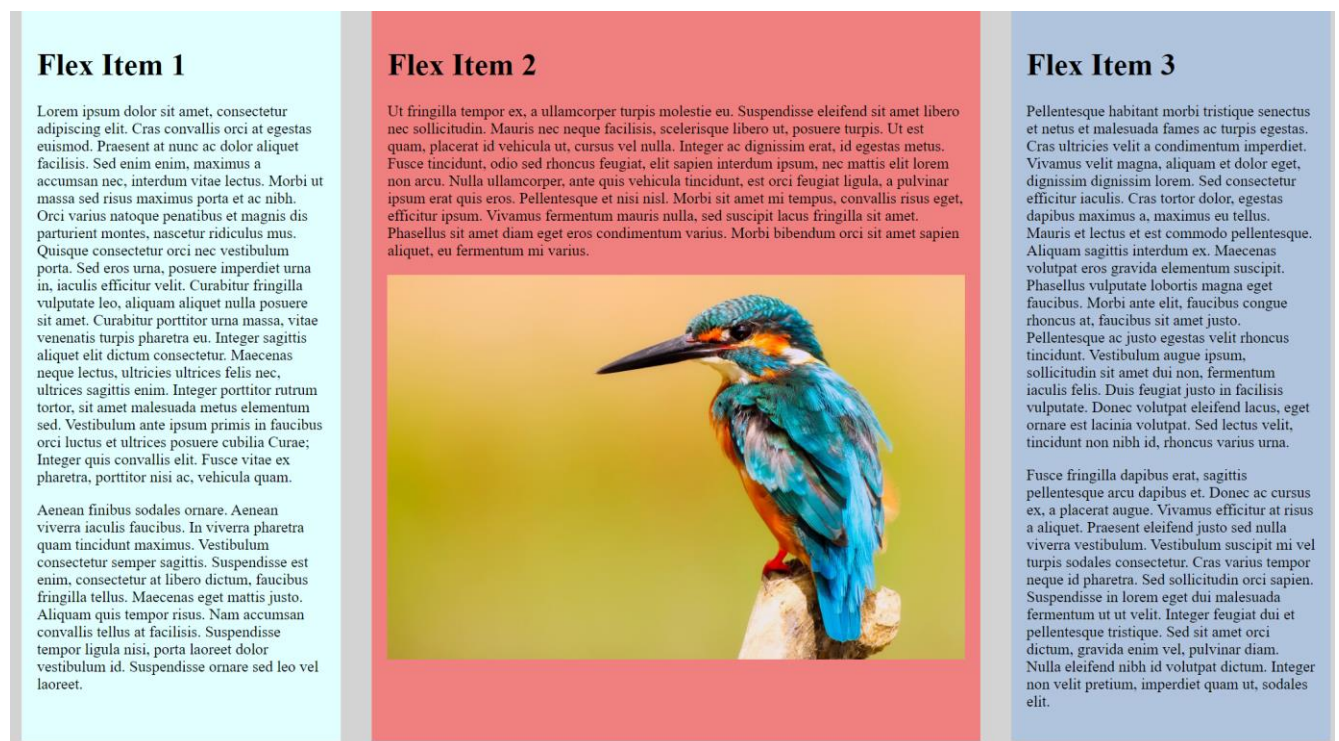
Copy and paste the contents of your document into the CSS validator at https://codebeautify.org/cssvalidate and ensure there are no errors in your code.

When you are happy that your code is error-free save your HTML file.

Modify the exercise to create a web page for Birdwatch Ireland.

The page should contain a header 'Birdwatch Ireland' and a footer with 'Contact Details'.

It should display a horizontal nav bar underneath the header with the following options:

- Home
- Our Work
- Publications
- Gallery
- Contact Us
- Site Map

Use appropriate colors for the nav bar and provide a change of color for mouse overs.

When the user clicks on the image it should go to the birdwatch Ireland website.

Use the HTML and CSS validator to validate your files.

Solution