# Week 2 - Session 1

## Exercises

1. Work through the following sections on https://javascript.info/

   - Part 1;

     - 2.1 - 2.16 (Fundamentals)
     - 4.1 - 4.2 (Objects)
     - 5.1 - 5.5, 5.9, 5.11 - 5.12 (Data types)
     - 9.1 (Classes)

   - Part 2;

     - 1.2 - 1.8 (Document Object Model)

2. Create a single column page with a main title and at least three sections. Each section should have at minimum a heading and a block of text (use https://www.lipsum.com/ if you wish to generate blocks of text). Include a list at the top containing one link per section which, when clicked, moves the user's window to that section. Include a "Back to the top" link at the bottom.

3. Create a form containing a "colour" input. On submission, update the background of the body to the entered colour.

4. Create a form to facilitate searching for products in a shop. Aim to include fields like keywords, category, size, etc.

## Project

## Useful Reading

These resources may assist in achieving the tasks in this session's project specification.

- Introduction to HTML (1 hour) - Interactive introduction to HTML
- Using Media Queries in CSS (30 minutes) - Explanation of media queries in CSS
- Changing Attributes using JavaScript (30 minutes) - Demonstration of changing the attributes

of HTML elements using JavaScript

## Tasks

### 1. Make the gallery interactive (☕)

When clicking on one of the thumbnails in the product detail section, the main image should be updated to display the image which has been clicked.

**Hint:**

The clicked image's `src` attribute should be copied to the main image's `src` attribute.

## Further Reading & Useful Resources

- [JavaScript Basics](#)