CITY ST GEORGE'S UNIVERSITY OF LONDON

STEM Digital Academy

School of Science & Technology

Fixed Page Layout

Web Technologies

Lecture by

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```
<!doctype html>
<html>
    <head>
      <title>
        Web Technologies
      </title>
      <style>
        p {
          color: blue;
        }
      </style>
      <script>
      console.log("client-side");
      </script>
    </head>
    <body>
        <p>
            Welcome!
        </p>
    </body>
</html>
```

What we will cover

- CSS width and height properties
- An example for a fixed page layout

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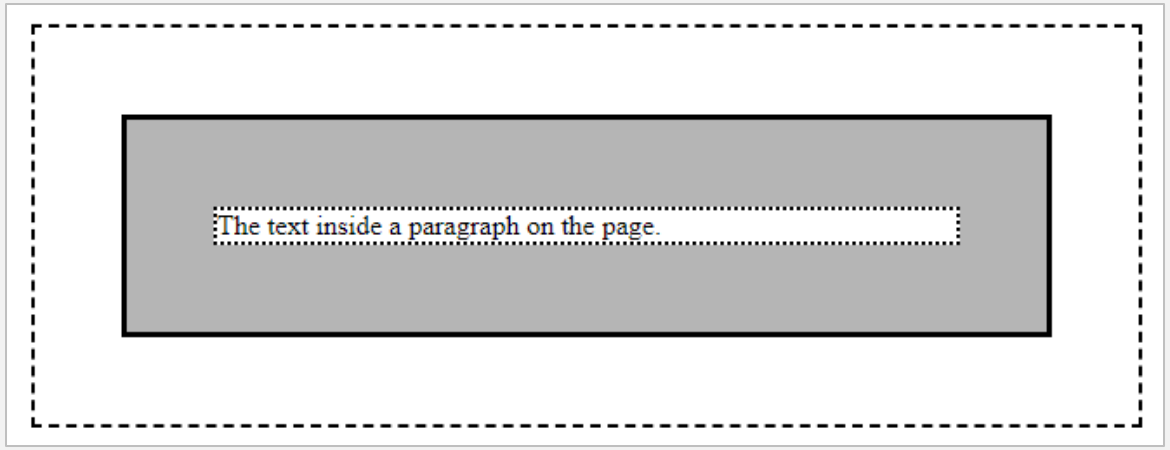
CSS: Width and Height

- The width of the content area for a block element
- The height of the content area for a block element



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CSS Property - width

- **Properties:**

  width: 450px;

  width: 75%;

  width: auto;

  min-width: 450px;

  max-width: 600px;

- **The total width of an element:**

  left margin + left border + left padding + width + right padding + right border + right margin

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CSS Property - height

- **Properties:**

  height: 125px;

  height: 50%;

  height: auto;

  min-height: 120px;

  max-height: 160px;

- **The total height of an element:**

  top margin + top border + top padding + height + bottom padding + bottom border + bottom margin

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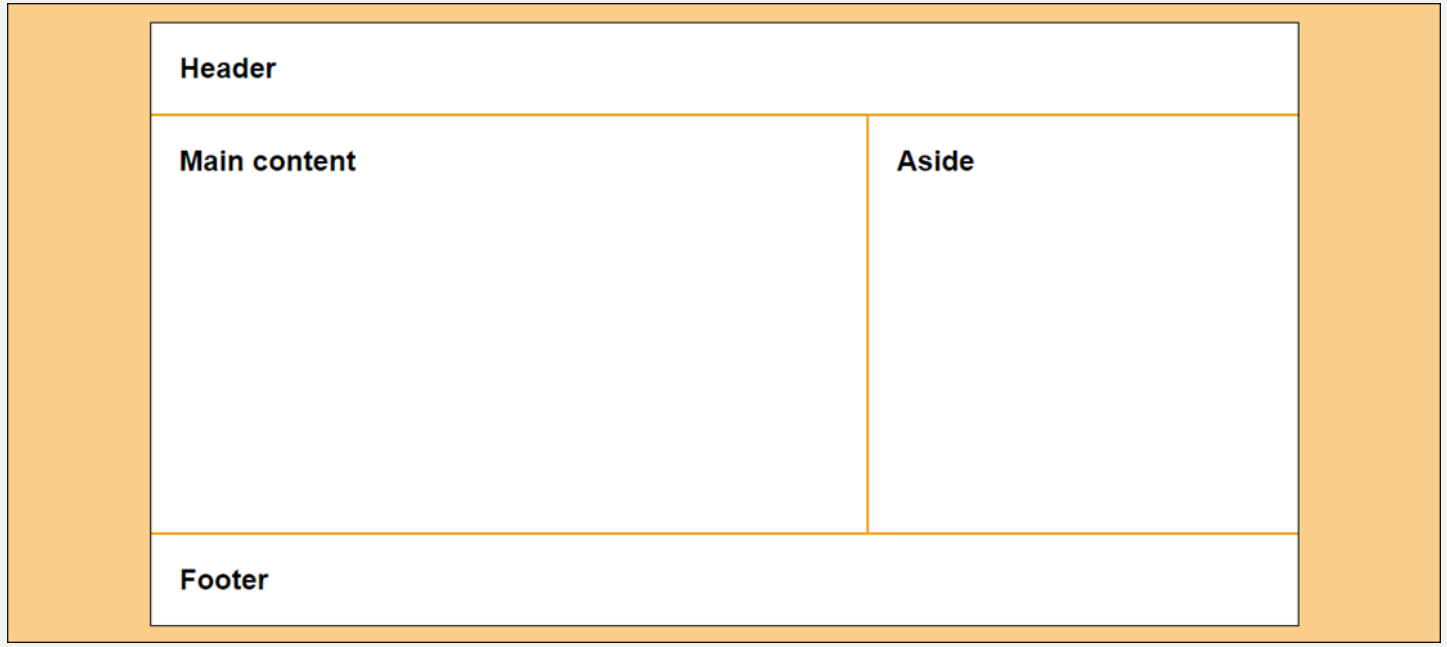
Fixed Layout



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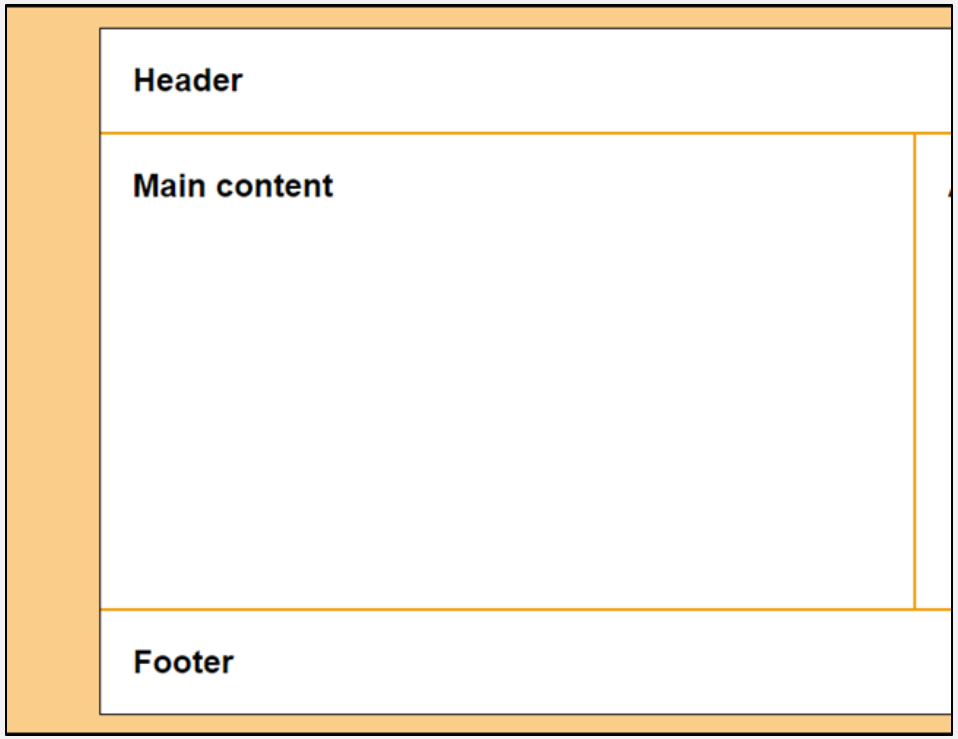
The Web Page on a Smaller Screen



The HTML Code

```
<body>
    <header><h2>Header</h2></header>
    <main><h2>Main content</h2></main>
    <aside><h2>Aside</h2></aside>
    <footer><h2>Footer</h2></footer>
</body>
```

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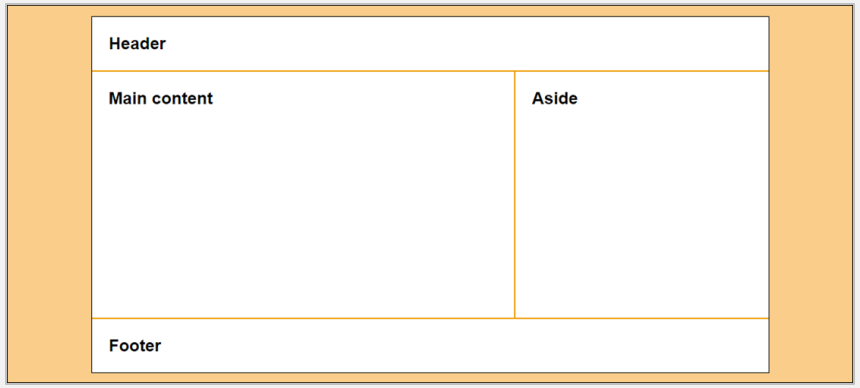
The CSS Rule Set for <header>

```
header {
        border-bottom: 2px solid #ef9c00;
                }
```

The CSS Rule Set for <body>

```
body {
    width: 962px;
    background-color: white;
    margin: 15px auto;
    border: 1px solid black;
}
```



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The CSS Rule Set for <main>

```
main {
    width: 600px;
    height: 350px;
    border-right: 2px solid #ef9c00;
    float: left;
}
```

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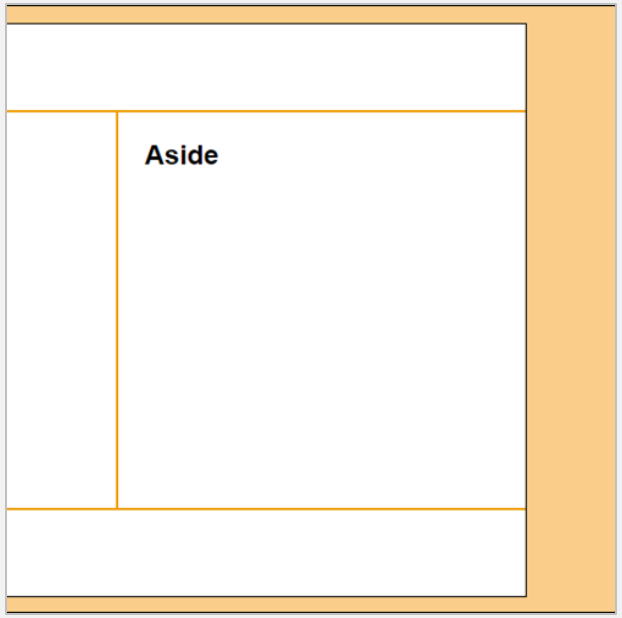
The CSS Rule Set for <aside>

```
aside {
        width: 360px;
        float: right;
}
```



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The CSS Rule Set for <footer>

```
footer {
    clear: both;
    border-top: 2px solid #ef9c00; }
```

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Try It Yourself

In this activity you can practice creating a fixed layout webpage. So:

1. Create the HTML page using the structural elements given in slide 9.
2. Create the CSS rule sets for header, body, main, aside and the footer with absolute measurements for the width properties.

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