

Module 2: Website Layouts

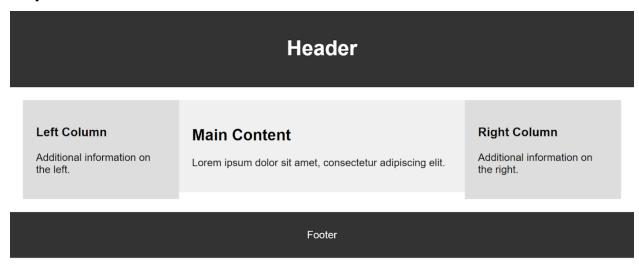
Video 2.3: Holy Grail - Solution

Exercises

Task 1: Basic Holy Grail Layout

Create a Holy Grail layout with a header, footer, and three content columns. The center column should have the main content, while the left and right columns contain additional information.

Desired Output:



Solution Code (CSS):



```
body {
   margin: 0;
   font-family: Arial, sans-serif;
}
header {
   background-color: #333;
   color: #fff;
   text-align: center;
   padding: 20px;
}
.wrapper {
   display: flex;
   justify-content: space-between;
   align-items: flex-start;
   margin: 20px;
}
main {
   flex: 2;
   background-color: #f0f0f0;
   padding: 20px;
}
.left, .right {
   flex: 1;
   background-color: #ddd;
   padding: 20px;
}
footer {
   background-color: #333;
   color: #fff;
   text-align: center;
   padding: 10px;
}
```

Task 2: Equal Height Columns

Build a Holy Grail layout with equal-height columns, where columns adjust their height based on the tallest column's content.

Desired Output:



Header

Left Column

Additional information on the left.

Main Content

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum eget quam nec libero dignissim luctus. Fusce eget eros vel dui elementum pharetra.

Right Column

Additional information on the right. Duis viverra, purus sit amet fringilla scelerisque, justo odio blandit urna, sit amet venenatis libero dui id ex.

Footer

Solution Code (CSS):

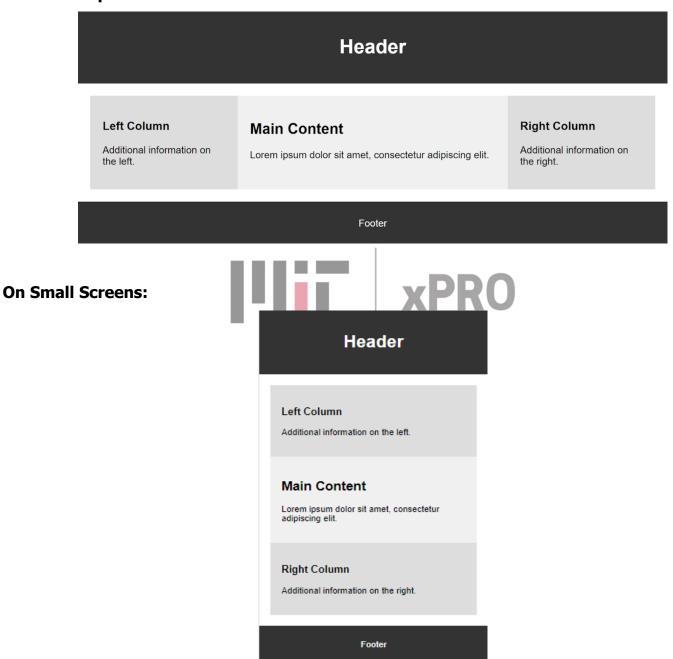
```
body {
    margin: 0;
    font-family: Arial, sans-serif;
}
header {
    background-color: #333;
    color: #fff;
    text-align: center;
    padding: 20px;
}
.wrapper {
    display: flex;
    justify-content: space-between;
    align-items: stretch; /* Equal height columns */
    margin: 20px;
}
main {
    flex: 2;
    background-color: #f0f0f0;
    padding: 20px;
}
.left, .right {
    flex: 1;
    background-color: #ddd;
    padding: 20px;
}
footer {
    background-color: #333;
    color: #fff;
    text-align: center;
    padding: 10px;
}
```



Task 3: Responsive Holy Grail Layout

Create a Holy Grail layout that is responsive, adapting to different screen sizes using media queries.

Desired Output:





Solution Code (CSS):

```
body {
    margin: 0;
    font-family: Arial, sans-serif;
}
header {
   background-color: #333;
    color: #fff;
    text-align: center;
    padding: 20px;
}
.wrapper {
    display: flex;
    justify-content: space-between;
    flex-wrap: wrap;
    margin: 20px;
}
main {
   flex: 2;
   background-color: #f0f0f0;
    padding: 20px;
}
.left,
.right {
    flex: 1;
    background-color: #ddd;
    padding: 20px;
}
footer {
   background-color: #333;
    color: #fff;
    text-align: center;
    padding: 10px;
/* Media queries for responsiveness */
@media (max-width: 767px) {
    .wrapper {
        flex-direction: column;
   }
    main,
    .left,
    .right {
        flex: 1;
    }
}
```