Module 2: Website Layouts
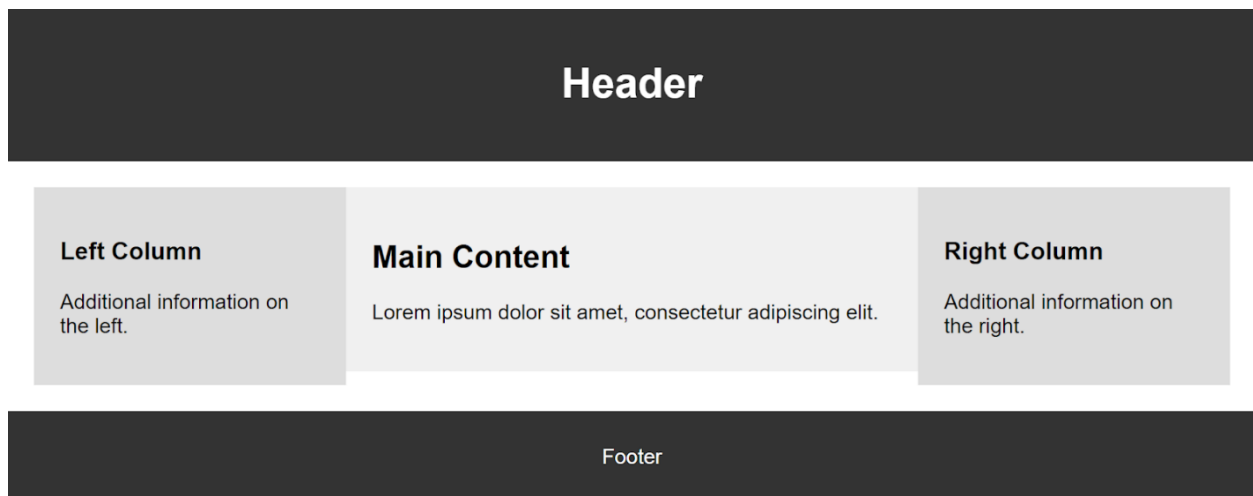## Video 2.3: Holy Grail - Solution

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.
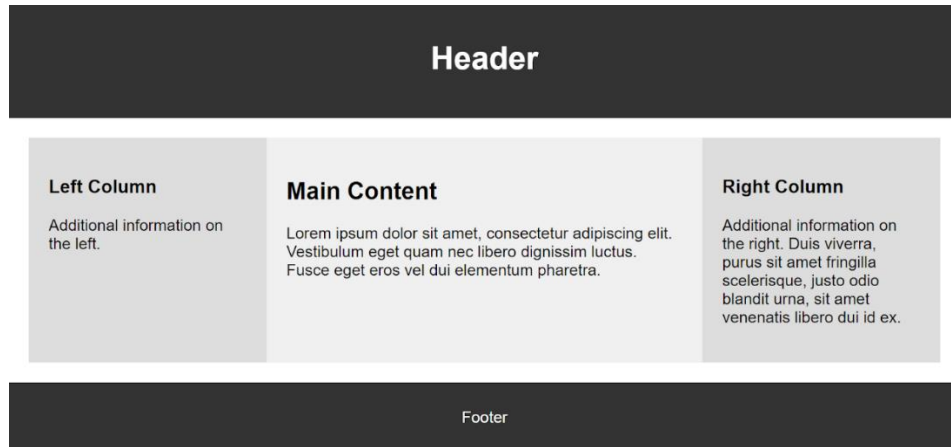
Desired Output:

Solution Code (CSS):

```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:
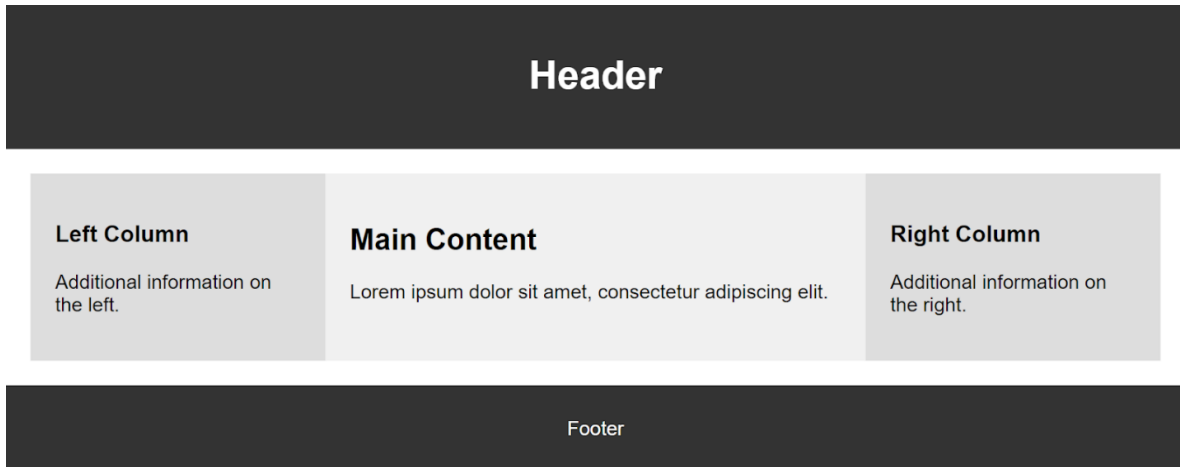
Solution Code (CSS):

```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;
}
```
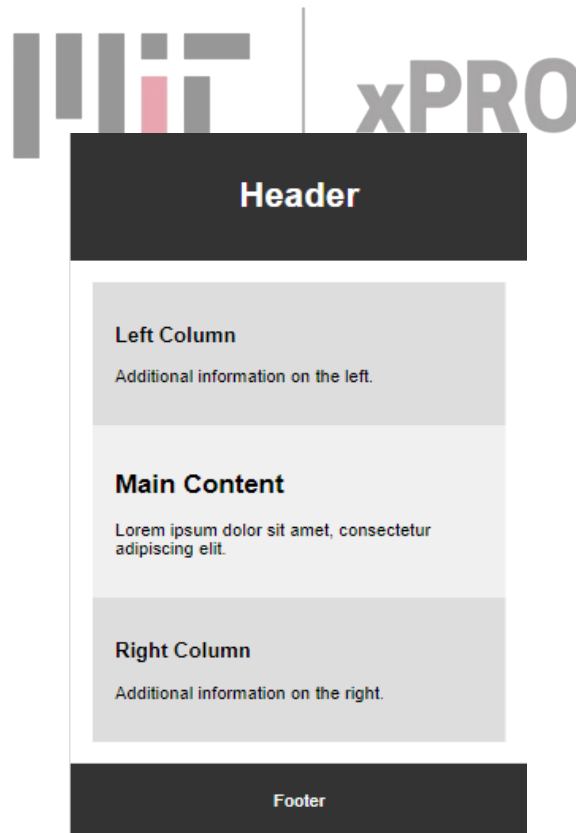
Task 3: Responsive Holy Grail Layout

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

Desired Output:

On Small Screens:

Solution Code (CSS):

```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;
    }
}
```