

# CSS grids

COMS10012 / COMSM0085

Software Tools

# History of Web Layout

Tables



Float

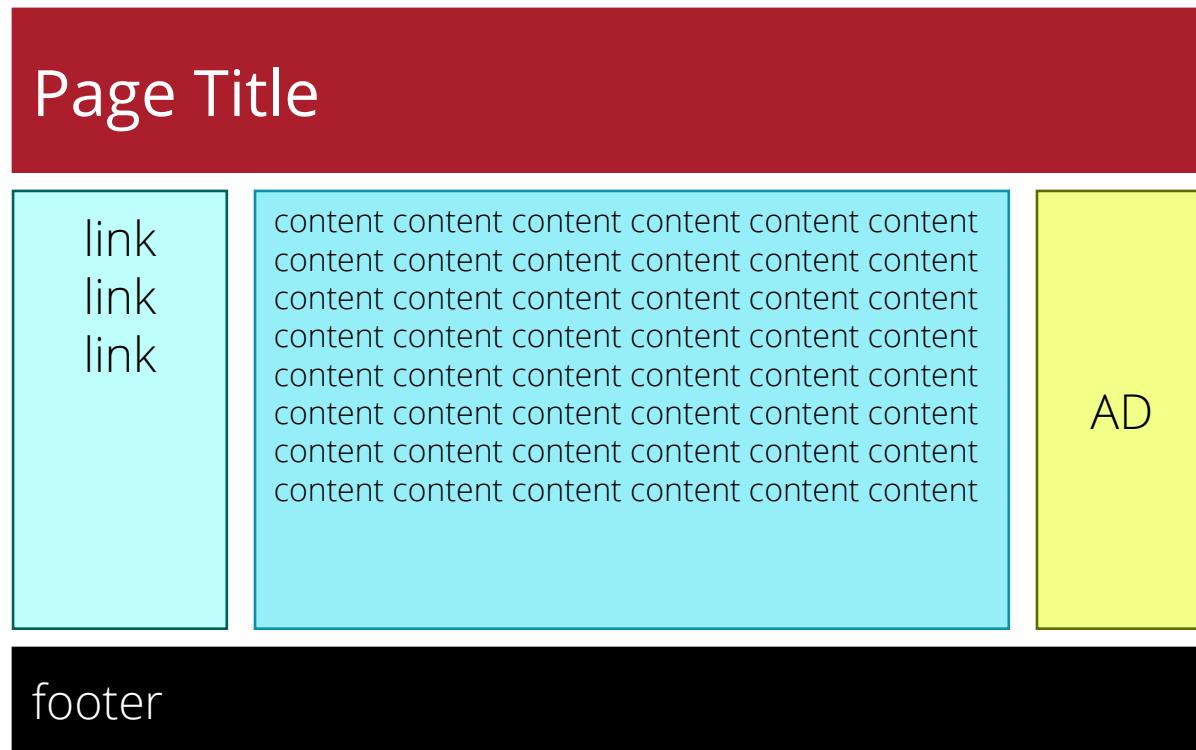
Flexbox

Grid

# Centering

I am a centered block of text  
on the page that spans more  
than one line!

# The Holy Grail Layout



# Not Holy



# Page Title

link  
link  
link

AD

footer

## HTML

```
1 <div class="container">
2   <p>Child one</p>
3   <p>Child two</p>
4   <p>Child three</p>
5   <p>Child four</p>
6   <p>Child five</p>
7   <p>Child six</p>
8 </div>
```

Child one

Child two

Child three

Child four

Child five

Child six

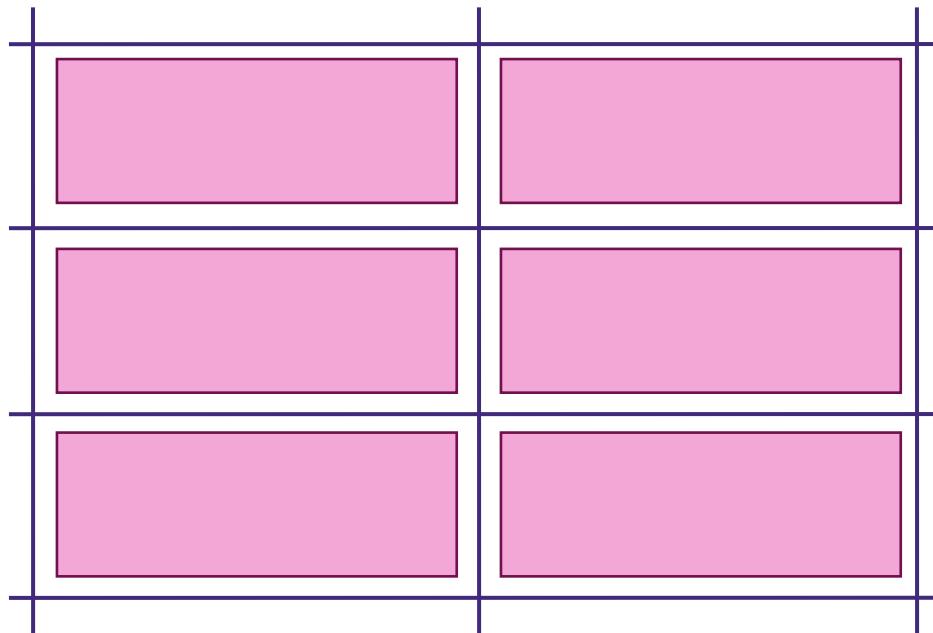
## CSS

```
1 p {
2   padding: 5px;
3   margin: 0;
4   border: 1px solid black;
5 }
```

# Grid layout

```
<div class="container">  
  <p>Item 1</p>  
  <p>Item 2</p>  
</div>          .container {  
                           display: grid;  
                         }  
                         }
```

# Grid



# Rows and columns

```
grid-row-start: 1;
```

```
grid-row-end: 3;
```

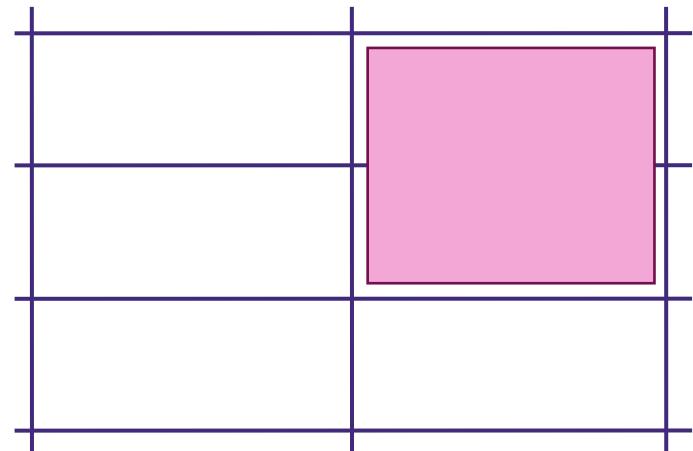
```
grid-column-start: 2;
```

```
grid-column-end: 3;
```

```
grid-row: 1 / 3;
```

```
grid-column: 2 / 3;
```

```
grid-area: 1 / 2 / 3 / 3;
```



# Holy Grail

```
<body>
  <header>Site Logo . . .</header>
  <nav>Links . . .</nav>
  <main>Lots of content . . .</main>
  <footer>Stuff . . .</footer>
</body>
```

# Holy Grail

```
<body>
  <header>Sit
  <nav>Links
  <main>Lots
  <footer>Stu
</body>
```

```
body {
  display: grid;
  grid-template-columns: 200px 1fr;
}
header { grid-row: span 2; }
footer { grid-row: span 2; }
```

