

Chapter 7 - CSS Grid & Media Queries

A CSS grid can be initialized using :

```
• Container {  
  display: grid;  
}
```

All direct children automatically becomes grid items

The `grid-column-gap` property
Used to adjust the space between the columns of a CSS grid

The `grid-row-gap` property
Used to adjust the space between the rows of a CSS grid.

The `grid-gap` property
Shorthand property for `grid-row-gap` & `grid-column-gap`

```
• Container {  
  display: grid; ↗ row  
  grid-gap: 40px 100px; ↘ column  
}
```

Note : For a single value of `grid-gap`, both row and column gaps can be set in one value.

Following are the properties for grid container :

- 1> The `grid-template-columns` property can be used to specify the width of columns

• Container {

`display: grid;`

`grid-template-columns: 80px 120px auto;`

}

- 2> The `grid-template-rows` property can be used to specify the height of each row

• Container {

`display: grid;`

`grid-template-rows: 70px 150px;`

- 3> The `justify-content` property is used to align the whole grid inside the container.

- 4> The `align-content` property is used to vertically align the whole grid inside the container.

Following are the properties for grid item:

- 1> The `grid-column` property defines how many columns an item will span.

• grid-item {

`grid-column: 1/5;`

}

2 The grid-row property defines how many rows an item will span.

3 We can make an item to start on column 1 and span 3 columns like this:

```
.item {  
  grid-column: 1 / span 3;  
}
```

CSS Media Queries

Used to apply CSS only when a certain condition is true.

Syntax:

```
@media only screen and (max-width: 800px) {  
  body {  
    background: red;  
  }  
}
```