



#### ICT-Start - Session 01

# Module 2: Creating static web pages using HTML5 and CSS3

L) CSS-Grid

December 2022





#### Link 1 Link 2 Link 3 Link 4

Left Menu

Content...

- Link1
- Link2
- Link3
- Link4
- ...

Right menu

- Link1
- Link2
- Link3
- Link4
- ...







### CSS Grid

• The CSS Grid Layout offers a grid-based layout system, with rows and columns, making it easier to design web pages without having to use floats and positioning.







1	2	3
4	5	6
7	8	9



#### Creates the actual grid

1	2	3
4	5	6
7	8	9

```
<style media="screen">
                                                    ke IT rea
         .grid-container{
          display: grid;
           grid-template-columns: 100px 100px;
          grid-template-rows: 100px 100px;
         .grid-item {
          background-color: lightgray;
           border: 1px solid black;
          font-size: 30px;
          padding: 30px;
          text-align: center;
         .grid-item:hover{
                                                        only visuals
          background-color: gray;
      </style>
    </head>
    <body>
      <div class="grid-container">
         <div class="grid-item">1</div>
        <div class="grid-item">2</div>
        <div class="grid-item">3</div>
         <div class="grid-item">4</div>
         <div class="grid-item">5</div>
         <div class="grid-item">6</div>
        <div class="grid-item">7</div>
        <div class="grid-item">8</div>
         <div class="grid-item">9</div>
      </div>
    </body>
for </html>
```







Combine 5 and 6 into one

1	2	3
4	5,	,6
7	8	9

• Hint: Remember how we did it with tables?



```
<style media="screen">
    .grid-container{
     display: grid;
     grid-template-columns: 100px 100px;
     grid-template-rows: 100px 100px;
    .grid-item {
     background-color: lightgray;
     border: 1px solid black;
     font-size: 30px;
     padding: 30px;
     text-align: center;
    .grid-item:hover{
     background-color: gray;
  </style>
</head>
<body>
  <div class="grid-container">
    <div class="grid-item">1</div>
    <div class="grid-item">2</div>
    <div class="grid-item">3</div>
    <div class="grid-item">4</div>
    <div class="grid-item">5</div>
    <div class="grid-item">6</div>
    <div class="grid-item">7</div>
    <div class="grid-item">8</div>
    <div class="grid-item">9</div>
  </div>
</body>
```





• Combine 5 and 6 into one cell

1	2	3
4	5,	,6
7	8	9

• Hint: Remember how we did it with tables?



```
<style media="screen">
    .grid-container{
      display: grid;
      grid-template-columns: 100px 100px 100px;
      grid-template-rows: 100px 100px 100px;
    .grid-item {
      background-color: lightgray;
      border: 1px solid black;
      font-size: 30px;
      padding: 30px;
      text-align: center;
    .grid-item:nth-child(5){
      grid-column: 2 / span 2;
    .grid-item:hover{
      background-color: gray;
  </style>
</head>
<body>
  <div class="grid-container">
    <div class="grid-item">1</div>
    <div class="grid-item">2</div>
    <div class="grid-item">3</div>
    <div class="grid-item">4</div>
    <div class="grid-item">5,6</div>
    <div class="grid-item">7</div>
    <div class="grid-item">8</div>
    <div class="grid-item">9</div>
  </div>
</body>
```



Combine 1 and 4 into one cell

1,4	2	3
	5,	,6
7	8	9







Combine 1 and 4 into one cell

1, 4	2	3
	5,6	
7	8	9









• Combine 7, 8 and 9 into one cell

```
5,6
7, 8, 9
```









• Combine 7, 8 and 9 into one cell

```
5,6
7, 8, 9
```







Trec



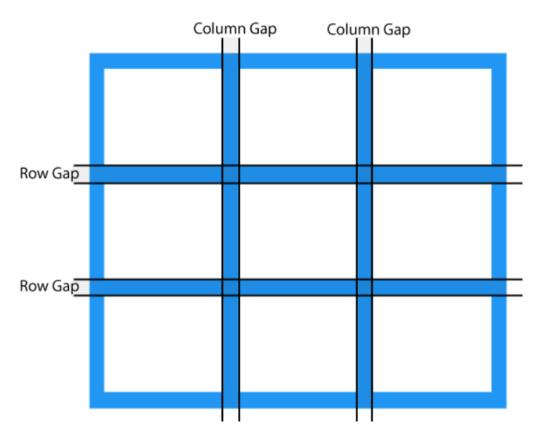
## Grid Gaps

1	2	3
4	5	6
7	8	9

	>	>	

1	2	3
4	5	6
7	8	9





```
.grid-container{
  display: grid;
  grid-template-columns: 100px 100px 100px;
  grid-template-rows: 100px 100px 100px;
  gap: 20px;
}
```

You can adjust the gap size by using one of the following properties:

- column-gap
- row-gap
- gap









## Exercices

