

## CPSC 216 - Grid Layout

Another Method for achieving Layout is using the Idea of Grids.

```
<div id="grid-container">  
  <div> ~ ~ </div>  
  <div> ~ ~ </div>  
  <div> ~ ~ </div>  
  <div> ~ ~ </div>  
</div>
```

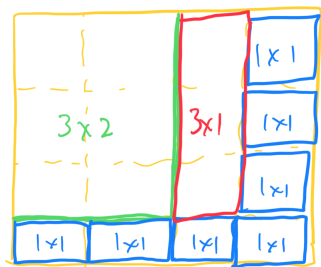
</div>

```
#grid-container {  
  display: grid;           c1      c2  
                           ↓        ↓  
  grid-template-columns: 30px 90px;  
}
```

```
#grid-container > div {  
  text-align: center;  
  background: lightgreen;  
  border: 3px solid green;  
  padding: 20px  
}
```

---

### Non-Uniform Grids:



- ① grid-row: sr / er ;
- ② grid-column: sc / ec ;
- ③ grid-area: sr / sc / er / ec ;

(sr = starting row, sc = starting column, er = end row,  
ec = end column ; )

Example:

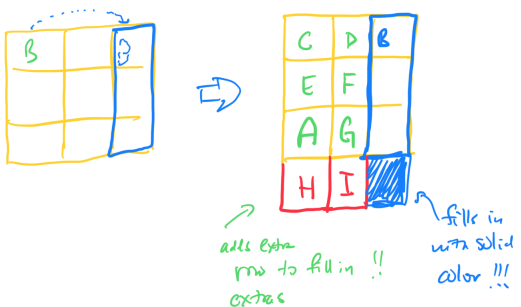
|   |   |   |
|---|---|---|
| A | B | C |
| D | E | F |

|   |   |   |
|---|---|---|
| G | H | I |
|---|---|---|

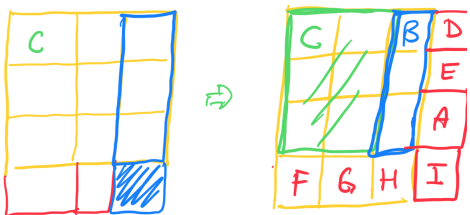
```
# grid-item-a {
  grid-row: 3 / 4 ;
}
```



```
# grid-item-b {
  grid-row: 1 / 4 ;
  grid-column: 3 / 4 ;
}
```

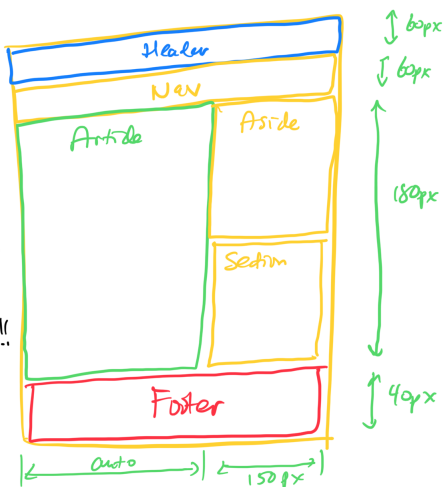


```
# grid-item-c {
  grid-area: 1 / 1 / 4 / 3 ;
}
```



## Practical Layout Example.

Let's create this, using Grid Layout!!



Ideas:

Maximum 2 columns.

Maximum 5 rows.



grid-template-columns: auto 130px;

grid-template-rows: 60px 60px 90px 90px 40px;

grid-template-areas:

"header header"

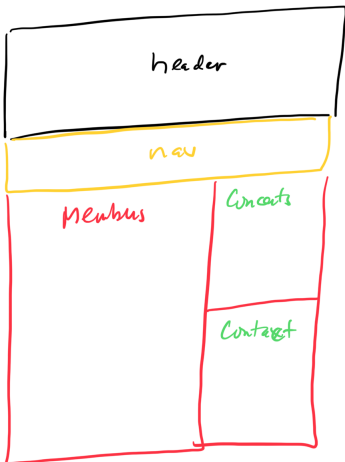
"nav nav"

"article aside"

"article section"

"footer footer" ;

Band website:



Maximum 2 columns

Maximum 4 rows.

|         |          |
|---------|----------|
| header  | header   |
| nav     | nav      |
| members | concerts |
| member  | contact  |