

Web Design & Development I

IDD103

Tables and Columns



Prepared by Mr. Kinley Tshering

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Understanding the layout of the table

Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
5:00 AM	Good Morning/Lazy Morning					Slow Weekends	Sunday Morning
5:30 AM	Start Your Engine!						
6:00 AM							
6:30 AM							
7:00 AM	Breakfast News					Weekend Yoga	Advanced Pilate
7:30 AM	General Cleaning						
8:00 AM	Designing Layouts					Testing	Case Study
8:30 AM	Coding						
9:00 AM							
9:30 AM						Weights Yoga	
10:00 AM							Play time
10:30 AM							Brain Soa
11:00 AM							The Veditative Mind
11:30 AM		Stretches					
12:00 PM	Lunch News						Indoor Games
GCIT Full Stack Program daily shedule ends its activities at 9:30 p.m.							

Details step for structuring table

- Create the structure by typing
- ‘ `table.programs>caption{Full Stack Daily Shedule}+(thead>tr>th*8)+(tfoot>tr>td)+tbody>(tr>th+td)*15` ’ after the last header tag

This will create the table.

- You should see the following:

```
<table class="programs">
  <caption>Full Stack Daily Shedule</caption>
  <thead>
    <tr>
      <th></th>
      <th></th>
      <th></th>
      <th></th>
      <th></th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>5:00 AM</td>
      <td>Good Morning/Lazy Morning</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Slow Weekends</td>
      <td>Sunday Morning</td>
    </tr>
    <tr>
      <td>5:30 AM</td>
      <td>Start Your Engine!</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td>6:00 AM</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Weekend Yoga</td>
    </tr>
    <tr>
      <td>6:30 AM</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td>7:00 AM</td>
      <td>Breakfast News</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Weekend Yoga</td>
      <td>Advanced Pilate</td>
    </tr>
    <tr>
      <td>7:30 AM</td>
      <td>General Cleaning</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td>8:00 AM</td>
      <td>Designing Layouts</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Testing</td>
      <td>Case Study</td>
    </tr>
    <tr>
      <td>8:30 AM</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td>9:00 AM</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Weights Yoga</td>
      <td></td>
    </tr>
    <tr>
      <td>9:30 AM</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td>10:00 AM</td>
      <td>Coding</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Outdoor Games</td>
      <td>Play time</td>
    </tr>
    <tr>
      <td>10:30 AM</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Brain Spa</td>
    </tr>
    <tr>
      <td>11:00 AM</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>The Meditative Mind</td>
    </tr>
    <tr>
      <td>11:30 AM</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Stretches</td>
    </tr>
    <tr>
      <td>12:00 PM</td>
      <td>Lunch News</td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td></td>
      <td>Indoor Games</td>
    </tr>
    <tr>
      <td data-cs="8" data-kind="parent">GCIT Full Stack Program daily shedule ends its activities at 9:30 p.m.</td>
      <td data-kind="ghost"></td>
      <td data-kind="ghost"></td>
      <td data-kind="ghost"></td>
      <td data-kind="ghost"></td>
      <td data-kind="ghost"></td>
      <td data-kind="ghost"></td>
      <td data-kind="ghost"></td>
    </tr>
  </tbody>
</table>
```

[illegible]

```
        <td></td>
    </tr>
    <tr>
        <td></td>
    </tr>
    <tr>
        <td></td>
    </tr>
    <tr>
        <td></td>
    </tr>
    <tr>
        <td></td>
    </tr>
    <tr>
        <td></td>
    </tr>
</tbody>
</table>
```

The basic structure for the table is created. You can test your web page by opening it in the browser. You will find that there is nothing displayed for the table because the table by default is not styled.

Adding in the table borders

Step 1: Table Border

- Let's add the table border so that we can see the layout of the table properly
- Let's add the background color, collapsed border with some width and font.
- You should see the following:

```
/* Table Styles */
table.programs{
    background: white;
    border: 15px outset rgb(250, 246, 246);
    border-collapse: collapse;
    font-family: Arial, Verdana, sans-serif;
    width: 100%;
}
```

- Let's add row height and also the border for the cells.
- You should see the following:

```
table.programs tr{  
    height: 25px;  
}  
  
table.programs th, table.programs td{  
    border: 1px solid rgb(243, 235, 235);  
    padding: 5px;  
    vertical-align: top;  
}
```

Completing the table structures

Step 2 : Table headers

- Open the file 'shedule.html'.
- Fill in the data for thead for Time, Monday to Sunday.
- The HTML should look like this :

```
<thead>  
  <tr>  
    <th>Time</th>  
    <th>Mon</th>  
    <th>Tue</th>  
    <th>Wed</th>  
    <th>Thu</th>  
    <th>Fri</th>  
    <th>Sat</th>  
    <th>Sun</th>  
  </tr>  
</thead>
```

Step 3 : Table footer

- The footer column span 8 columns
- The HTML should look like this :

```
<tfoot>
  <tr>
    <td colspan="8">
      GCIT Full Stack Program daily shedule ends its activities at 9:30 p.m.
    </td>
  </tr>
</tfoot>
```

Step 4 : 5:00 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>5:00 AM</th>
  <td rowspan="1" colspan="5">Good Morning/Lazy
Morning</td>
  <td rowspan="4" colspan="1">Slow Weekends</td>
  <td rowspan="2" colspan="1">Sunday Morning</td>
</tr>
```

Step 5 : 5:30 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>5:30 AM</th>
  <td rowspan="3" colspan="5">Start Your Engine!</td>
</tr>
```

Step 6: 6:00 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>6:00 AM</th>
  <td rowspan="2" colspan="1">Weekend Yoga</td>
</tr>
```

Step 7 - 6:30 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>6:30 AM</th>
</tr>
```

Step 8: 7:00 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>7:00 AM</th>
  <td rowspan="1" colspan="5">Breakfast News</td>
  <td rowspan="2" colspan="1">Weekend Yoga</td>
  <td rowspan="2" colspan="1">Advanced Pilate</td>
</tr>
```

Step 9: 7:30 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>7:30 AM</th>
  <td rowspan="1" colspan="5">General Cleaning</td>
</tr>
```

Step 10: 8:00 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>8:00 AM</th>
  <td rowspan="4" colspan="5">Designing Layouts</td>
  <td rowspan="3" colspan="1">Testing</td>
  <td rowspan="4" colspan="1">Case Study</td>
</tr>
```

Step 11: 8:30 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>8:30 AM</th>
</tr>
```


Step 13 - 9:00 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>  
  <th>9:00 AM</th>  
</tr>
```

Step 14 - 9:30 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>  
  <th>9:30 AM</th>  
  <td rowspan="3" colspan="1">Weights Yoga</td>  
</tr>
```

Step 15:- 10:00 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>  
  <th>10:00 AM</th>  
  <td rowspan="4" colspan="5">Coding</td>  
  <td rowspan="1" colspan="1">Play time</td>  
</tr>
```

Step 16: 10:30 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>10:30 AM</th>
  <td rowspan="1" colspan="1">Brain Spa</td>
</tr>
```

Step 17: 11:00 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>11:00 AM</th>
  <td rowspan="3" colspan="1">Outdoor Games</td>
  <td rowspan="1" colspan="1">The Meditative Mind</td>
</tr>
```

Step 18: 11:30 AM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>11:30 AM</th>
  <td rowspan="1" colspan="1">Stretches</td>
</tr>
```

Step 19: 12:00 PM row

- Let's fill the data for row
- The HTML should look like this :

```
<tr>
  <th>12:00 PM</th>
  <td rowspan="1" colspan="5">Lunch News</td>
  <td rowspan="1" colspan="1">Indoor Games</td>
</tr>
```

Adding in the table caption and column styles

Step 1: Caption style

- For the table caption, we set the following style.
- The CSS should look like this :

```
/* Table Caption Styles */
table.programs caption {
  caption-side: bottom;
  text-align: center;
}
```

Step 2: Adding columns header

- We add the column header structures to the HTML for styling purposes. It has no structuring purpose.
- Open the file 'shedule.html and add it between the caption and table header:
colgroup>col.timeColumn+col.wDayColumns[span=5]+col.wEndColumns[span=2]
- The HTML should look like this :

```
<caption>Full Stack Daily Shedule</caption>
<!--colgroup>col.timeColumn+col.wDayColumns[span=5]+col.wEndColumns[span=2]-->
<colgroup>
  <col class="timeColumn">
  <col class="wDayColumns" span="5">
  <col class="wEndColumns" span="2">
</colgroup>
```

Step 3: Styling the Columns

- Now we can style the column easily in CSS.
- The CSS should look like this :

```
/* Table Column Styles */
col.timeColumn {
  background: rgb(170, 144, 59);
  width: 10%;
}
col.wDayColumns {
  background: rgb(201, 123, 6);
  width: 11%;
}
col.wEndColumns {
  background: rgb(187, 172, 90);
  width: 17.5%;
}
```

Adding in the table header styles

Step 1: Table header

- Let style the default table header style
- The CSS should look like this :

```
table.programs thead{
  color:white;
  background-color: rgb(177, 112, 16);
}
```

Step 2: First Table header

- We style the first table header differently
- The CSS should look like this :

```
table.programs thead th:first-of-type{
  color:white;
  background-color: rgb(174, 184, 38);
}
```

Step 3: Other specific table header

- We perform the following different styles to column 7 and 8..
- The CSS should look like this :

```
table.programs thead th:nth-of-type(7),  
table.programs thead th:nth-of-type(8) {  
    color:white;  
    background-color: rgb(153, 125, 0);  
}
```

Step 4: Table footer

- We perform the styling for table footers.
- The CSS should look like this :

```
/* Table Footer Styles */  
table.programs tfoot{  
    color:white;  
    background-color: black;  
}
```

- Now the web site is completed.

#####Thankyou#####