

# Web Frontend

Day 4: Review of HTML and CSS-Box Model

# Creating a Box

```
<!DOCTYPE html>
<html>
<head>
  <title>Box Model Example</title>
  <style>
    .box {
      width: 300px;
      height: 200px;
      border: 10px solid black;
      padding: 20px;
      margin: 30px;
      background-color: lightgray;
      text-align: center;
      font-size: 24px;
    }
  </style>
</head>
<body>
  <div class="box">
    This is a box with content. It has padding, a border, and a
margin.
  </div>
</body>
</html>
```

# Creating a Box

```
<style>
  .column {
    float: left;
    width: 50%;
  }
  .center {
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
  }
  .box {
    width: 300px;
    height: 200px;
    border: 10px solid black;
    padding: 20px;
    margin: 30px;
    background-color: lightgray;
    text-align: center;
    font-size: 24px;
  }
</style>
<div class="box center">center</div>
<div class="column box">column</div>
```

# Responsive Web

```
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</head>
<body>
  <div class="container-fluid">
    <div class="row">
      <div class="col-sm-12 col-md-6 col-lg-4">
        <h2>Column 1</h2>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>
      </div>
      <div class="col-sm-12 col-md-6 col-lg-4">
        <h2>Column 2</h2>
        <p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p>
      </div>
      <div class="col-sm-12 col-md-12 col-lg-4">
        <h2>Column 3</h2>
        <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
      </div>
    </div>
  </div>
</body>
</html>
```

# HTML Beginners Must Know

# Text Formatting

- `<p>`
- `<h1>` to `<h6>`
- `<span>`
- `<strong>`
- `<em>`
- `<u>`
- `<small>`

# Links

- `<a>`
- `<button>`

# Lists

- `<ul>`
- `<ol>`
- `<li>`



# Tables

- `<table>`
- `<tr>`
- `<td>`

# Forms and inputs

- `<input>`
- `<label>`

# Images and media

- `<img>`
- `<video>`

# Meta data and document structure

- <head>
- <title>
- <link>
- <style>
- <script>
- <html>
- <body>
- <header>
- <footer>

# Miscellaneous

- `<br>`

# Embedded content

# CSS Beginners Must Know

# Modules

- background
  - background-color, background-image, background-repeat, background-position
- margin
  - margin-left, margin-right, margin-top, margin-bottom
- padding
  - padding-left, padding-right, padding-top, padding-bottom
- cursor
- overflow



# Modules

- width
- height
- top, right, left, bottom
- position
- z-index
- font-family, font-style, font-weight, font-size
- list-style
- list-style-type
- color

# Selectors

- [attr]
- .
- #
- \*

# Combinators

- >
- (space)
- ,

# Pseudo-classes

- :disabled
- :first
- :first-child
- :last
- :last-child
- :hover
- :nth-child(n)

# Pseudo-elements

- ::after
- ::before