PROSENSIA SMC-PVT LTD
CSS FLEXBOX
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Flexbox Overview:

Flexbox is a powerful CSS layout module used to arrange items efficiently, even when their size is unknown or dynamic.

1.display: flex:

Enables Flexbox layout on the container, turning its children into flex items.

2.justify-content:

Controls **horizontal alignment** of flex items (e.g., center, space-between, flex-start).

3.align-items:

Controls **vertical alignment** of flex items within the container (e.g., center, flex-start, stretch).

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8" />

 <meta name="viewport" content="width=device-width, initial-scale=1.0"/>

 <title>Styled Web Layout</title>

 <style>

  * {

    margin: 0;
```

```css
  padding: 0;

  box-sizing: border-box;

}


body {

  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

  background: linear-gradient(to right, #e0f7fa, #ffffff);

  padding: 2rem;

}


.container {

  max-width: 1000px;

  margin: 0 auto;

  padding: 2rem;

  background-color: #ffffff;

  border-radius: 20px;

  box-shadow: 0 8px 24px rgba(0, 0, 0, 0.12);

  border: 5px solid transparent;

  background-clip: padding-box;

  position: relative;

  display: flex;

  flex-direction: column;

  gap: 2rem;

}
```

```css
.container::before {

  content: '';

  position: absolute;

  top: -5px;

  left: -5px;

  right: -5px;

  bottom: -5px;

  z-index: -1;

  border-radius: 24px;

  background: linear-gradient(135deg, #64b5f6, #ff8a65);

}


.section {

  background: #f9f9f9
url('https://www.transparenttextures.com/patterns/cubes.png');

  padding: 1.5rem;

  border: 2px dashed #64b5f6;

  border-radius: 10px;

  box-shadow: inset 0 0 10px rgba(0,0,0,0.05);

  position: static;

}


.section h2 {

  font-size: 1.6rem;
```

```css
    color: #0d47a1;

    margin-bottom: 1rem;

    text-shadow: 1px 1px 1px rgba(0, 0, 0, 0.1);

  }


  .section p {

    font-size: 1rem;

    color: #333;

    line-height: 1.6;

  }


  .image-box {

    text-align: center;

    margin: 2rem 0;

    position: relative;

  }


  .image-box img {

width: 500%;

max-width: 300px;

border-radius: 26px;

border: 6px solid #ffffff;

box-shadow: 0 12px 24px rgba(0, 0, 0, 0.2);

background: linear-gradient(to bottom right, #64b5f6, #ff8a65);
```

```css
  padding: 4px;

 display: block;

 margin: 0 auto;

}


  .image-caption {

   position: absolute;

   bottom: 10px;

   right: 20px;

   background-color: rgba(0, 0, 0, 0.6);

   color: white;

   padding: 6px 12px;

   border-radius: 6px;

   font-size: 0.9rem;

   box-shadow: 0 2px 6px rgba(0, 0, 0, 0.3);

  }


  .fixed-tag {

   position: fixed;

   top: 20px;

   left: 20px;

   background-color: #ff8a65;

   color: white;

   padding: 8px 14px;
```

```css
  border-radius: 8px;

  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

  font-weight: bold;

  z-index: 1000;

}


.flexbox-demo {

  display: flex;

  justify-content: space-between;

  align-items: center;

  gap: 1rem;

  background-color: #e3f2fd;

  padding: 1.5rem;

  border-radius: 10px;

  box-shadow: 0 4px 8px rgba(0,0,0,0.05);

}


.flex-item {

  background-color: #bbdefb;

  padding: 1rem 2rem;

  border-radius: 8px;

  text-align: center;

  font-weight: bold;

  color: #0d47a1;
```

```
      flex: 1;

    }


    footer {

      text-align: center;

      font-size: 0.9rem;

      color: #555;

      margin-top: 3rem;

      padding-top: 1rem;

      border-top: 1px solid #ccc;

    }

  </style>

</head>

<body>



  <div class="fixed-tag">CSS Demo</div>


  <div class="container">



    <div class="section">

      <h2>About the Cricketer – Babar Azam</h2>

      <p><strong>Babar Azam</strong> is the captain of the Pakistan national cricket
team and is widely recognized as one of the most technically sound and consistent
```

batsmen in the world today. He has led Pakistan in all three formats and is known for his elegant stroke play, calm demeanor, and leadership on and off the field.</p>

    <p>He plays for Peshawar Zalmi in the Pakistan Super League (PSL) and has been ranked among the top batsmen by the ICC in T20Is, ODIs, and Tests. Babar has earned praise from cricket legends for his composure, timing, and ability to anchor innings across conditions, making him a modern-day batting icon for Pakistan.</p>

  </div>

  <div class="image-box">

    <img src="https://battingwithbimal.com/wp-content/uploads/2021/11/330192.jpg" alt="Babar Azam - Pakistani Cricketer">

    <div class="image-caption">Babar Azam</div>

  </div>

  <div class="section">

  <h2>Flexbox For Cricketer</h2>

  <div class="flexbox-demo">

    <div class="flex-item">Top Order</div>

    <div class="flex-item">Captain</div>

    <div class="flex-item">Run Machine</div>

  </div>

  </div>

```
</div>


<footer>

  &copy; 2025 UI Styling Showcase

</footer>


</body>

</html>
```

OUTPUT: