|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Flex Box | | Grid | Bootstrap | |
| parent | Display: flex  **flex-direction**: row, row-reverse, column, column-reverse  Calendar  Description automatically generated**Flex-wrap:**   * nowrap * wrap * wrap-reverse   Graphical user interface  Description automatically generated with low confidence**Justify-content**:  Graphical user interface, application  Description automatically generated | Display :grid  grid-template-rows: 10px 20%;  grid-template-columns: 10px 40%;    =======================================  **Example:**  <div class="row">  <div class="col"></div>  <div class="col"></div>  </div>  ====================================  .wrapper {  display: grid;  grid-gap: 10px;  grid-template-columns: 120px 120px 120px;  grid-template-areas:  "....... header header" "sidebar content content";  background-color: #fff;  color: #444;  }  .sidebar { grid-area: sidebar;}  .content {grid-area: content;}  .header {grid-area: header;}  <div class="wrapper">  <div class="box header">Header</div>  <div class="box sidebar">Sidebar</div>  <div class="box content">Content</div>  </div>  ===================================  align-items : {stretch| start| end| center}  align-self: {stretch| start| end| center}  justify-items : {stretch| start| end| center}  justify-self: {stretch| start| end| center} | **Color:** .text-primary  .text-secondary  .text-success  .text-danger  .text-warning  .text-info  .text-light  .text-dark  .text-muted  .text-white  **Border:**  border  border-top  border-right  border-bottom  border-left  **Border-radius:**  rounded  rounded-top  rounded-right  rounded-bottom  rounded-left  rounded-circle  rounded-0  **container**  container  container-fluid | **Text alignment**  text-left  text-center  text-right  **Sizing**  w-25 (width:25%)  h-25 (height:25%)  mw-100(max-width:100%)  mh-100(Max-height 100%  ) **Spacing** m-2 (margin)  mt-4 margin-top  mb-3 set margin-bottom  ml-2 margin-left  mr-5 margin-right  mx-auto  my-auto  p-3 (padding)  pt-4 padding -top  pb-3 padding-bottom  pl-2 padding-left  pr-5 padding-right **Forms** form-control (input  textArea,text,select)  form-check-input(input  check box, radio)  form-check-inline (div  wrapper)  disabled  selected **validation** required (check empty field) **image:** img-thumbnail  **image align**  rounded float-left  rounded float-right  img-fluid (Responsive  image) |

|  |  |  |
| --- | --- | --- |
| CSS | Bootstrap | |
| **position: fixed;**  top, right, bottom, left  **position: absolute**  top, right, bottom, left  **position: relative**  top, right, bottom, left  **position: sticky**  top, right, bottom, left | <ul class="nav justify-content-center">  <li class="nav-item">  <a class="nav-link active" href="#">Active</a>  </li>  <li class="nav-item">  <a class="nav-link" href="#">Link</a>  </li>  <li class="nav-item">  <a class="nav-link" href="#">Link</a>  </li>  <li class="nav-item">  <a class="nav-link disabled" href="#">Disabled</a>  </li>  </ul> | <table class="table">  <thead>  <tr>  <th scope="col">#</th>  <th scope="col">First</th>  </tr>  </thead>  <tbody>  <tr>  <th scope="row">1</th>  <td colspan="2">Mark</td>  </tr>  <tr>  <th scope="row">2</th>  <td>Jacob</td>  </tr>  <tr>  <th scope="row">3</th>  <td>Larry</td>  </tr>  </tbody>  </table> |

<img src=”” style=”object-fit: cover;” alt=””>

**Media Queries**

/\* Extra small devices (phones, 600px and down) \*/

@media only screen and (max-width: 600px) {...}

/\* Small devices (portrait tablets and large phones, 600px and up) \*/

@media only screen and (min-width: 600px) {...}

/\* Medium devices (landscape tablets, 768px and up) \*/

@media only screen and (min-width: 768px) {...}

/\* Large devices (laptops/desktops, 992px and up) \*/

@media only screen and (min-width: 992px) {...}

/\* Extra large devices (large laptops and desktops, 1200px and up) \*/

@media only screen and (min-width: 1200px) {...}

/\* CSS kicks in within the limits : 768px to 959px \*/

@media only screen and (min-width: 768px) and (max-width: 959px){….}