

# Layout Design

## Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Layout</title>
  <link rel="stylesheet" href="layout.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/css/all.min.css" integrity="sha512-
iecdLmaskl7CVkqkXNQ/ZH/XLlvWZOJyj7Yy7tcenmpD1ypASozpmT/E0iPtmFIB46ZmdtAc9eNBvH0H/Zpi
Bw==" crossorigin="anonymous" referrerpolicy="no-referrer" />
</head>
<body>
  <div class="grid-container">
    <div class="menu-icon">
      <i class="fas fa-bars header__menu"></i>
    </div>

    <header class="header">
      <div class="header__search">Search...</div>
      <div class="header__avatar">Your face</div>
    </header>

    <aside class="sidenav">
      <div class="sidenav__close-icon">
        <i class="fas fa-times sidenav__brand-close"></i>
      </div>
      <ul class="sidenav__list">
        <li class="sidenav__list-item">Item One</li>
        <li class="sidenav__list-item">Item Two</li>
        <li class="sidenav__list-item">Item Three</li>
        <li class="sidenav__list-item">Item Four</li>
        <li class="sidenav__list-item">Item Five</li>
      </ul>
    </aside>

    <main class="main">
      <div class="main-header">
        <div class="main-header__heading">Hello User</div>
        <div class="main-header__updates">Recent Items</div>
      </div>

      <div class="main-overview">
        <div class="overviewcard">
```

```
        <div class="overviewcard__icon">Overview</div>
        <div class="overviewcard__info">Card</div>
    </div>
    <div class="overviewcard">
        <div class="overviewcard__icon">Overview</div>
        <div class="overviewcard__info">Card</div>
    </div>
    <div class="overviewcard">
        <div class="overviewcard__icon">Overview</div>
        <div class="overviewcard__info">Card</div>
    </div>
    <div class="overviewcard">
        <div class="overviewcard__icon">Overview</div>
        <div class="overviewcard__info">Card</div>
    </div>
    </div>

    <div class="main-cards">
        <div class="card">Card</div>
        <div class="card">Card</div>
        <div class="card">Card</div>
    </div>
</main>

<footer class="footer">

</footer>
</div>
</body>
<script>
    const menuIconEl = $('.menu-icon');
    const sidenavEl = $('.sidenav');
    const sidenavCloseEl = $('.sidenav__close-icon');
    const toggleClassName=(el, className)=> {
        if (el.hasClass(className)) {
            el.removeClass(className);
        } else {
            el.addClass(className);
        }
    }
    menuIconEl.on('click', ()=> {
        toggleClassName(sidenavEl, 'active');
    });
    sidenavCloseEl.on('click', ()=> {
        toggleClassName(sidenavEl, 'active');
    });
</script>
</html>
```

```
body {
  margin: 0;
  padding: 0;
  color: #fff;
  font-family: 'Open Sans', Helvetica, sans-serif;
  box-sizing: border-box;
}
.grid-container {
  display: grid;
  grid-template-columns: 1fr;
  grid-template-rows: 50px 1fr 50px;
  grid-template-areas:
    'header'
    'main'
    'footer';
  height: 100vh;
}
.menu-icon {
  position: fixed;
  display: flex;
  top: 5px;
  left: 10px;
  align-items: center;
  justify-content: center;
  background-color: #DADA E3;
  border-radius: 50%;
  z-index: 1;
  cursor: pointer;
  padding: 12px;
}
.header {
  grid-area: header;
  display: flex;
  align-items: center;
  justify-content: space-between;
  padding: 0 16px;
  background-color: #648ca6;
}
.header__search {
  margin-left: 42px;
}
.sidenav {
  grid-area: sidenav;
  display: flex;
  flex-direction: column;
  height: 100%;
  width: 240px;
  position: fixed;
```

```
overflow-y: auto;
transform: translateX(-245px);
transition: all .6s ease-in-out;
box-shadow: 0 2px 2px 0 rgba(0, 0, 0, 0.16), 0 0 0 1px rgba(0, 0, 0, 0.08);
z-index: 2;
background-color: #394263;
}
.sidenav.active {
  transform: translateX(0);
}
.sidenav__close-icon {
  position: absolute;
  visibility: visible;
  top: 8px;
  right: 12px;
  cursor: pointer;
  font-size: 20px;
  color: #ddd;
}
.sidenav__list {
  padding: 0;
  margin-top: 85px;
  list-style-type: none;
}
.sidenav__list-item {
  padding: 20px 20px 20px 40px;
  color: #ddd;
}
.sidenav__list-item:hover {
  background-color: rgba(255, 255, 255, 0.2);
  cursor: pointer;
}
.main {
  grid-area: main;
  background-color: #8fd4d9;
}
.main-header {
  display: flex;
  justify-content: space-between;
  margin: 20px;
  padding: 20px;
  height: 150px;
  background-color: #e3e4e6;
  color: slategray;
}
.main-overview {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(265px, 1fr));
```

```
    grid-auto-rows: 94px;
    grid-gap: 20px;
    margin: 20px;
}
.overviewcard {
    display: flex;
    align-items: center;
    justify-content: space-between;
    padding: 20px;
    background-color: #d3d3;
}
.main-cards {
    column-count: 1;
    column-gap: 20px;
    margin: 20px;
}
.card {
    display: flex;
    flex-direction: column;
    align-items: center;
    width: 100%;
    background-color: #82bef6;
    margin-bottom: 20px;
    -webkit-column-break-inside: avoid;
    padding: 24px;
    box-sizing: border-box;
}
.card:first-child {
    height: 485px;
}
.card:nth-child(2) {
    height: 200px;
}
.card:nth-child(3) {
    height: 265px;
}
.footer {
    grid-area: footer;
    display: flex;
    align-items: center;
    justify-content: space-between;
    padding: 0 16px;
    background-color: #648ca6;
}
@media only screen and (min-width: 46.875em) {
    .grid-container {
        grid-template-columns: 240px 1fr;
        grid-template-areas:
```

```
    "sidenav header"  
    "sidenav main"  
    "sidenav footer";  
  }  
  .header__search {  
    margin-left: 0;  
  }  
  .sidenav {  
    position: relative;  
    transform: translateX(0);  
  }  
  .sidenav__close-icon {  
    visibility: hidden;  
  }  
}  
@media only screen and (min-width: 65.625em) {  
  .main-cards {  
    column-count: 2;  
  }  
}
```

## Output:

