

# Challenge #11: How Tos

## Feature 1: Navigation Bar Animation on Scroll

### HTML:

```
<head>
<style>
  header.sticky {
    background: var(--bg-color);
    border-radius: 1px solid #ffffff1a;
  }
</style>
</head>
```

### JavaScript:

```
<script>
  window.addEventListener('scroll', function() {
    const header = document.querySelector('header');
    header.classList.toggle('sticky', window.scrollY > 0);
  });
</script>
</body>
```

## Feature 2: Responsive Mobile Menu

### HTML:

```
<head>
  <style>
    @media (max-width: 840px) {
      .navlist {
        position: absolute;
        top: -1000px;
        right: 0;
        left: 0;
        display: flex;
        flex-direction: column;
        background: var(--bg-color);
        text-align: left;
      }
    }
  </style>
</head>
```

```

        transition: all .5s ease;
    }

    .navlist a {
        display: block;
        margin: 16px;
        font-size: 20px;
        transition: all .5s ease;
        color: var(--text-color);
    }

    .navlist a:hover {
        color: var(--main-color);
    }

    .navlist a:active {
        color: var(--text-color);
    }

    .navlist.open {
        top: 100%;
    }
}
</style>
</head>

```

## JavaScript:

```

<script>
    const menuIcon = document.getElementById('menu-icon');
    const navList = document.querySelector('.navlist');

    menuIcon.addEventListener('click', function() {
        navList.classList.toggle('open');
    });
</script>
</body>

```

## Feature 3: Back-to-Top Button

### HTML:

```

<body>

```

```
<div class="top">
  <a href="#home"><i class='bx bx-arrow-to-top'></i></a>
</div>
</body>
```

## CSS:

```
<style>
  .top {
    display: none;
    position: fixed;
    bottom: 20px;
    right: 20px;
    background: var(--main-color);
    color: var(--text-color);
    padding: 10px;
    border-radius: 8px;
    cursor: pointer;
    font-size: 15px;
  }
</style>
```

## JavaScript:

```
<script>
  const topButton = document.querySelector('.top');

  window.addEventListener('scroll', function() {
    if (window.scrollY > 100) {
      topButton.style.display = 'block';
    } else {
      topButton.style.display = 'none';
    }
  });

  topButton.addEventListener('click', function() {
    window.scrollTo({ top: 0, behavior: 'smooth' });
  });
</script>
</body>
```

## Feature 4: Smooth Scrolling Effect

CSS:

```
<style>
  body {
    scroll-behavior: smooth;
  }
</style>
```

## Feature 5: Form Validation

JavaScript:

```
<script>
  function sendEmail() {

    alert('Email sent successfully!');
  }

  function reset() {

    document.querySelector('form').reset();
  }

  document.querySelector('form').addEventListener('submit', function (e) {
    e.preventDefault();

    const name = document.querySelector('input[type="name"]').value.trim();
    const email = document.querySelector('input[type="email"]').value.trim();
    const mobile = document.querySelector('input[type="tel"]').value.trim();
    const message = document.querySelector('textarea').value.trim();

    if (!name || !email || !mobile || !message) {
      alert('Please fill in all the fields');
      return;
    }

    sendEmail();
```

```
        reset();  
    });  
</script>  
</body>
```