



University of Engineering and Technology Taxila

Assignment 01

Web Engineering

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HomePage.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="stylesheet" href="./HomeStyle.css" />
    <link
      rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.5.1/css/all.min.css"
      integrity="sha512-
DT0Q09RWCH3ppGqcWaEA1BIZOC6xxalwEsw9c2QqeAIftl+Vegovlnee1c9QX4TctnWMn13TZye+giMm8
e2LwA=="
      crossorigin="anonymous"
      referrerpolicy="no-referrer"
    />
    <title>Advanced BMI Calculator</title>

    <script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
  </head>
  <body>
    <canvas class="container" id="container" role="main"></canvas>

    <section id="homepage">
      <div class="bmi_img">
        
      </div>

      <div class="bmi_text">
        <h1>Calculate Your BMI</h1>
        <p>
          Enter you height and weight to get valueable insights into your
          health. Let's calculate your BMI
        </p>
        <a href="./Calculator/calculate.html" class="start_btn">
          >Start <i class="fa-solid fa-arrow-right"></i>
        </a>
      </div>
    </section>

    <div class="blur blurTop">
      <canvas class="canvas" id="blurCanvasTop"></canvas>
    </div>
```

```
<div class="blur blurBottom">
  <canvas
    width="1000px"
    height="1000px"
    class="canvas"
    id="blurCanvasBottom"
  ></canvas>
</div>

<script src="index.js"></script>
</body>
</html>
```

HomeStyles.css

```
* {
  margin: 0%;
  padding: 0%;
  box-sizing: border-box;
}

html,
body {
  overflow: hidden;
  width: 100%;
  height: 100%;
  position: absolute;
  background: linear-gradient(25deg, #16054a, #c8a6b4);
  text-shadow: 0px 1px 2px rgba(0, 0, 0, 0.4);
}

.container {
  width: 100%;
  height: 100%;
  position: absolute;
}

#blurCanvasTop {
  left: 0%;
  top: 0%;
  position: absolute;
}

#blurCanvasBottom {
  left: 50%;
  top: 0;
```

```
    position: absolute;
}
#homepage {
    height: 90vh;
    z-index: 5;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: space-evenly;
}
.bmi_img {
    border-radius: 50%;
    height: 50%;
    border: 0.6rem solid red;
    margin: 2rem;
}

.bmi_img img {
    width: 100%;
    height: 100%;
    object-fit: cover;
    border-radius: 50%;
}

.bmi_text {
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: space-evenly;
    margin: 2rem;
}

h1 {
    color: rgba(151, 227, 21, 0.94);
    font-size: 2rem;
    margin: 1rem 0rem;
}

p {
    color: #adcfff;
    font-size: 1.4rem;
    margin: 1rem;
    line-height: 1.5;
}

.start_btn {
```

```
background-color: #ebf2ee;
border-radius: 100px;
box-shadow: rgba(44, 187, 99, 0.2) 0 -25px 18px inset,
  rgba(44, 187, 99, 0.15) 0 1px 2px, rgba(44, 187, 99, 0.15) 0 2px 4px,
  rgba(44, 187, 99, 0.15) 0 4px 8px, rgba(44, 187, 99, 0.15) 0 8px 16px,
  rgba(44, 187, 99, 0.15) 0 16px 32px;
color: #902201;
cursor: pointer;
display: inline-block;
padding: 7px 20px;
text-align: center;
transition: all 250ms;
border: 0;
font-size: 1.4rem;
font-weight: bold;
user-select: none;
-webkit-user-select: none;
touch-action: manipulation;
z-index: 10;
}

.start_btn:hover {
  box-shadow: rgba(44, 187, 99, 0.35) 0 -25px 18px inset,
    rgba(44, 187, 99, 0.25) 0 1px 2px, rgba(44, 187, 99, 0.25) 0 2px 4px,
    rgba(44, 187, 99, 0.25) 0 4px 8px, rgba(44, 187, 99, 0.25) 0 8px 16px,
    rgba(44, 187, 99, 0.25) 0 16px 32px;
  transform: scale(1.05) rotate(-1deg);
}

.blur {
  width: 100%;
  height: 100%;
  position: absolute;
  overflow: hidden;
}

.blurTop {
  left: 40%;
  top: -110%;
  transform: rotate(20deg);
  transform-origin: 0 100%;
}

.blurBottom {
  left: -60%;
  top: 100%;
  transform: rotate(20deg);
```

```
    transform-origin: 100% 0%;
}

/* media queries */

@media screen and (max-width: 912px) {
    .bmi_text {
        margin: 1rem;
    }

    h1 {
        font-size: 4rem;
    }
    p {
        color: #adcfff;
        font-size: 2rem;
        text-align: center;
    }
    .bmi_img {
        height: 40%;
    }
    .start_btn {
        padding: 1rem 2rem;
        font-size: 2rem;
    }
}

@media screen and (max-width: 540px) {
    .bmi_img {
        height: 40%;
    }
    .bmi_text {
        margin: 1rem;
    }

    h1 {
        font-size: 2.5rem;
        text-align: center;
    }
    p {
        font-size: 1.5rem;
        text-align: center;
    }
    .start_btn {
        margin-top: 0.5rem;
    }
}
```

```
padding: 0.5rem 2rem;
font-size: 2rem;
}
}

@media screen and (max-width: 412px) {
  .bmi_img {
    height: 30%;
  }
  .bmi_text {
    margin: 1rem;
  }

  h1 {
    font-size: 2.5rem;
    text-align: center;
  }
  p {
    font-size: 1.8rem;
    text-align: center;
  }
  .start_btn {
    margin-top: 0.5rem;
    padding: 0.5rem 2rem;
    font-size: 1.8rem;
  }
}

@media screen and (max-width: 376px) {
  .bmi_img {
    margin-top: 4rem;
    height: 40%;
  }
  .bmi_text {
    margin: 1rem;
  }

  h1 {
    font-size: 1.6rem;
    text-align: center;
  }
  p {
    color: #adcfff;
    font-size: 1.4rem;
    text-align: center;
  }
}
```

```

}
.start_btn {
  margin-top: 0.5rem;
  padding: 0.2rem 2rem;
  font-size: 1.2rem;
}
}

@media screen and (max-width: 280px) {
  .bmi_img {
    margin-top: 3rem;
    height: 40%;
  }
  .bmi_text {
    margin: 1rem;
  }

  h1 {
    font-size: 1.6rem;
    text-align: center;
  }
  p {
    color: #adcfff;
    font-size: 1.2rem;
    text-align: center;
  }
  .start_btn {
    margin-top: 0.5rem;
    padding: 0.2rem 2rem;
    font-size: 1.2rem;
  }
}

```

Index.js

```

let canvas = document.getElementById('container');
let clone = document.getElementById('blurCanvasBottom');

let cloneCtx = clone.getContext('2d');
let ctx = canvas.getContext('2d');

let w = $('#blurCanvasTop').width();
let h = $('#blurCanvasTop').height();

```



```

let ww = $(window).width();
let wh = $(window).height();
canvas.width = ww;
canvas.height= wh;
let partCount = 100;
let particles = [];

function particle(){
  this.color = 'rgba(255,255,255,'+ Math.random()+')';
  console.log(this.color);
  this.x = randomInt(0,ww);
  this.y = randomInt(0,wh);
  this.direction = {
    "x": -1 + Math.random() * 2,
    "y": -1 + Math.random() * 2
  };
  this.vx = 0.3 * Math.random();
  this.vy = 0.3 * Math.random();
  this.radius = randomInt(2,3);
  this.float = function(){
    this.x += this.vx * this.direction.x;
    this.y += this.vy * this.direction.y;
  };
  this.changeDirection = function (axis) {
    this.direction[axis] *= -1;
  };
  this.boundaryCheck = function () {
    if (this.x >= ww) {
      this.x = ww;
      this.changeDirection("x");
    } else if (this.x <= 0) {
      this.x = 0;
      this.changeDirection("x");
    }
    if (this.y >= wh) {
      this.y = wh;
      this.changeDirection("y");
    } else if (this.y <= 0) {
      this.y = 0;
      this.changeDirection("y");
    }
  };
  this.draw = function () {
    ctx.beginPath();

```

```

    ctx.fillStyle = this.color;
    ctx.arc(this.x, this.y, this.radius, 0, Math.PI * 2, false);
    ctx.fill();
  };
}
function clearCanvas() {
  cloneCtx.clearRect(0, 0, ww, wh);
  ctx.clearRect(0, 0, ww, wh);
}
function createParticles(){
  for (i=0;i<partCount;i++){
    var p = new particle();
    particles.push(p);
  }
}
function drawParticles() {
  for (i=0;i<particles.length;i++) {
    p = particles[i];
    p.draw();
  }
}
function updateParticles() {
  for (var i = particles.length - 1; i >= 0; i--) {
    p = particles[i];
    p.float();
    p.boundaryCheck();
  }
}
createParticles();
drawParticles();
function animateParticles() {
  clearCanvas();
  drawParticles();
  updateParticles();
  cloneCtx.drawImage(canvas, 0, 0);
  requestAnimationFrame(animateParticles);
}
requestAnimationFrame(animateParticles);
cloneCtx.drawImage(canvas, 0, 0);

$(window).on('resize',function(){
  ww = $(window).width();
  wh = $(window).height();
  canvas.width = ww;
  canvas.height= wh;

```

```

clearCanvas();
particles = [];
createParticles();
drawParticles();
});
function randomInt(min,max)
{
    return Math.floor(Math.random()*(max-min+1)+min);
}
function velocityInt(min,max)
{
    return Math.random()*(max-min+1)+min;
}

```

Calculate Page

Calculate.html

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link rel="stylesheet" href="calculateStyles.css" />
    <link
      rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.5.1/css/all.min.css"
      integrity="sha512-
DT0Q09RWCH3ppGqcWaEA1BIZO6xxalwEsW9c2Q0eAIftl+Vegovlnee1c9QX4TctnWMn13TZye+giMm8
e2LwA=="
      crossorigin="anonymous"
      referrerpolicy="no-referrer"
    />
    <title>BMI_Calculate</title>
  </head>
  <body>
    <section id="calculate_page">
      <header class="content">
        <a href="../HomePage.html"><i class="fa-solid fa-arrow-left"></i></a>
        <h1>Your Information</h1>
      </header>
      <form action="#">

```

```

<h2 class="gender_text">Select your Gender</h2>

<div class="gender">
  <div id="male">
    
  </div>
  <div id="female">
    
  </div>
</div>

<div class="weight">
  <label for="weight">
    >Enter your weight in Kg
    <input type="number" id="weight" name="weight" />
  </label>
</div>

<div class="height">
  <label for="height">
    Enter your height in cm
    <input type="number" id="height" name="height" />
  </label>
</div>

<div class="btns">
  <button id="calculate" type="submit">Calculate</button>
  <button type="reset">Reset</button>
</div>
</form>
</section>

<!-- second section -->

<section id="section_2">
  <h1>Here is your calculated BMI</h1>
  <div class="figure">
    <div class="speedometer_container">
      <div class="center_point"></div>
      <div class="bottom_hide"></div>
      <div class="arrow_container">

```

```

        <div class="arrow-wrapper">
            <div class="arrow"></div>
        </div>
    </div>
    <div class="center_hide"></div>
    <div class="speedometer_scale scale-1"></div>
    <div class="speedometer_scale scale-2"></div>
    <div class="speedometer_scale scale-3"></div>
    <div class="speedometer_scale scale-4"></div>
    <div class="speedometer_scale scale-5"></div>
    <div class="speedometer_scale scale-6"></div>
    <div class="speedometer_scale scale-7"></div>
    <div class="speedometer_scale scale-8"></div>
    <div class="speedometer_scale scale-9"></div>
    <div class="speedometer_scale scale-10"></div>
    <div class="speedometer_scale scale-11"></div>
    <div class="speedometer_scale scale-12"></div>
    <div class="speedometer_scale scale-13"></div>
    <div class="speedometer_scale scale-14"></div>
    <div class="speedometer_scale scale-15"></div>
    <div class="speedometer_scale scale-16"></div>
    <div class="speedometer_scale scale-17"></div>
    <div class="speedometer_scale scale-18"></div>
    <div class="speedometer_scale scale-19"></div>
</div>
<h4>Your BMI is: <span class="bmi_value"></span>kg/m^2</h4>
</div>

<div class="bmi_results">
    <div class="bmi_gender_img"><img src="" alt="" /></div>

    <h5 class="bmi_answer"></h5>
</div>
</section>

<script src="calculate.js"></script>
</body>
</html>

```

CalculateStyles.css

```
* {
  margin: 0%;
  padding: 0%;
  box-sizing: border-box;
}

h1 {
  margin: 2rem 0rem;
  color: #870190;
  font-size: 1.2rem;
  font-family: Arial, Helvetica, sans-serif;
  text-decoration: underline;
}

#calculate_page {
  width: 100%;
  height: 100vh;
  display: flex;
  flex-direction: column;
  justify-content: space-between;
  align-items: center;
}

.content {
  display: flex;
  justify-content: center;
  align-items: center;
  width: 100%;
  background-color: #a3f8c2;
  margin-bottom: 1rem;
  min-height: 10vh;
}

.content a {
  margin-right: 1rem;
}

form {
  min-height: 90vh;
}

.gender {
  display: flex;
```

```
    justify-content: space-evenly;
    align-items: center;
    height: 15vh;
    margin: 1rem;
}

.gender div {
    height: 100%;
    position: relative;
    border: 2px solid black;
    border-radius: 50%;
    margin: 1rem;
}

.gender_img {
    width: 100%;
    height: 90%;
    object-fit: contain;
    cursor: pointer;
}

#male {
    background-color: #a3f8c2;
}

#weight,
#height {
    border: 0;
    font-size: 16px;
    border-radius: 30px;
    padding: 16px;
    background-color: #ebecf0;
    text-shadow: 10px 10px 10 blue;
    margin: 8px;
    box-shadow: inset 2px 2px 5px #82889d, inset -5px -5px 10px rgb(236, 191, 191);
    width: 80%;
    transition: all 0.2s ease-in-out;
}

#weight:focus,
#height:focus {
    box-shadow: inset 1px 1px 2px #d19797, inset 1px 1px 2px rgb(233, 21, 21);
}

.weight,
```

```
.height,
.gender_text {
  font-size: 1.3rem;
  font-weight: bold;
  color: #870190;
  padding: 0.5rem;
  font-family: "Gill Sans", "Gill Sans MT", Calibri, "Trebuchet MS", sans-serif;
  text-align: center;
}

.btns {
  display: flex;
  align-items: center;
  justify-content: space-between;
  width: 80%;
  margin: auto;
  padding: 1rem;
}

button,
.content a {
  width: 45%;
  background-color: #a3f8c2;
  border-radius: 100px;
  box-shadow: rgba(44, 187, 99, 0.2) 0 -25px 18px inset,
    rgba(44, 187, 99, 0.15) 0 1px 2px, rgba(44, 187, 99, 0.15) 0 2px 4px,
    rgba(44, 187, 99, 0.15) 0 4px 8px, rgba(44, 187, 99, 0.15) 0 8px 16px,
    rgba(44, 187, 99, 0.15) 0 16px 32px;
  color: #870190;
  cursor: pointer;
  display: inline-block;
  padding: 7px 20px;
  text-align: center;
  transition: all 250ms;
  border: 0;
  font-size: 1.2rem;
  user-select: none;
  -webkit-user-select: none;
  touch-action: manipulation;
}

.content a {
  width: 20%;
}
```



```
button:hover,
.content a:hover {
  box-shadow: rgba(44, 187, 99, 0.35) 0 -25px 18px inset,
    rgba(44, 187, 99, 0.25) 0 1px 2px, rgba(44, 187, 99, 0.25) 0 2px 4px,
    rgba(44, 187, 99, 0.25) 0 4px 8px, rgba(44, 187, 99, 0.25) 0 8px 16px,
    rgba(44, 187, 99, 0.25) 0 16px 32px;
  transform: scale(1.05) rotate(-1deg);
}
```

```
/* SECOND SECTINO */
```

```
#section_2 {
  background-color: #031d48;
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  align-items: center;
  display: none;
}
```

```
#section_2 h1 {
  color: #cdfffc;
}
```

```
h4 {
  font-size: 1.2rem;
  color: rgb(107, 222, 115);
  font-family: Verdana, Geneva, Tahoma, sans-serif;
}
```

```
.bmi_value {
  color: whitesmoke;
  font-family: Georgia, "Times New Roman", Times, serif;
}
```

```
.figure {
  height: 40%;
  display: flex;
  justify-content: space-between;
  flex-direction: column;
  align-items: center;
}
```

```
.speedometer_container {
  width: 250px;
```

```
height: 250px;
border-radius: 50%;
border: 0.5rem solid #44f986;
background-color: white;
position: relative;
}

.center_point {
position: absolute;
left: 110px;
top: 110px;
width: 20px;
height: 20px;
border-radius: 50%;
background-color: black;
z-index: 3;
}

.speedometer_scale {
width: 6px;
height: 220px;
background-color: black;
position: absolute;
left: 116px;
top: 7px;
}

.scale-1 {
transform: rotate(-90deg);
}

.scale-2 {
transform: rotate(-80deg);
background-color: red;
}

.scale-3 {
transform: rotate(-70deg);
background-color: rgb(255, 115, 0);
}

.scale-4 {
transform: rotate(-60deg);
background-color: rgb(255, 255, 0);
}
```

```
.scale-5 {  
  transform: rotate(-50deg);  
  background-color: rgb(153, 255, 0);  
}  
  
.scale-6 {  
  transform: rotate(-40deg);  
  background-color: rgb(0, 255, 8);  
}  
  
.scale-7 {  
  transform: rotate(-30deg);  
  background-color: rgb(0, 255, 208);  
}  
  
.scale-8 {  
  transform: rotate(-20deg);  
  background-color: rgb(0, 170, 255);  
}  
  
.scale-9 {  
  transform: rotate(-10deg);  
  background-color: rgb(0, 0, 255);  
}  
  
.scale-10 {  
  transform: rotate(0deg);  
  background-color: rgb(204, 0, 255);  
}  
  
.scale-11 {  
  transform: rotate(10deg);  
  background-color: rgb(255, 0, 195);  
}  
  
.scale-12 {  
  transform: rotate(20deg);  
  background-color: rgb(255, 0, 111);  
}  
  
.scale-13 {  
  transform: rotate(30deg);  
  background-color: rgb(198, 70, 102);  
}
```

```
.scale-14 {
  transform: rotate(40deg);
  background-color: rgb(41, 212, 158);
}

.scale-15 {
  transform: rotate(50deg);
  background-color: rgb(225, 174, 7);
}

.scale-16 {
  transform: rotate(60deg);
  background-color: rgb(76, 94, 114);
}

.scale-17 {
  transform: rotate(70deg);
  background-color: rgb(138, 56, 131);
}

.scale-18 {
  transform: rotate(80deg);
  background-color: rgba(115, 255, 0, 0.863);
}

.scale-19 {
  transform: rotate(90deg);
  background-color: rgb(76, 0, 255);
}

.center_hide {
  width: 200px;
  height: 200px;
  background-color: white;
  border-radius: 50%;
  position: absolute;
  top: 17px;
  left: 19px;
  z-index: 2;
}

.bottom_hide {
  width: 260px;
  height: 115px;
```

```
background-color: #031d48;
position: absolute;
z-index: 4;
top: 130px;
left: -12px;
border-top: 2px solid black;
}

.arrow_container {
width: 140px;
height: 140px;
background-color: transparent;
position: absolute;
z-index: 5;
top: 50px;
left: 48px;
}

.arrow-wrapper {
width: 140px;
height: 140px;
background-color: transparent;
position: relative;
transition: all 2s ease;
}

.arrow {
width: 90px;
height: 3px;
background-color: #870190;
position: absolute;
top: 68px;
left: -17px;
}

.bmi_results {
margin: 2rem 1.2rem;
display: flex;
align-items: center;
justify-content: space-between;
}

.bmi_gender_img {
flex: 1 1 50rem;
z-index: 4;
```

```
}

.bmi_gender_img img {
  width: 100%;
  height: 100%;
}

.bmi_answer {
  color: rgba(239, 226, 226, 0.829);
  font-size: 1rem;
  line-height: 1.3;
  font-family: "Times New Roman", Times, serif;
  text-align: start;
  margin: 0.5rem;
  z-index: 5;
}

.bmi_answer {
  text-align: center;
}

@media screen and (min-width: 1281px) {
  #section_2 {
    padding: 0.5rem 0rem;
  }
  #section_2 h1 {
    font-size: 1.7rem;
    text-align: center;
  }
  #section_2 h4 {
    z-index: 5;
    margin-top: -5rem;
    font-size: 1.5rem;
  }
  .bmi_results {
    min-height: 40vh;
    width: 70%;
    margin: auto;
  }
  .bmi_gender_img {
    height: 20rem;
  }
  .bmi_answer {
    font-size: 1.5rem;
  }
}
```

```
.figure {
  height: 20%;
}

}

@media screen and (max-width: 1024px) {
  #section_2 {
    margin-top: 0rem;
    padding-top: 0.5rem;
    padding-bottom: 0.5rem;
    min-height: 100vh;
  }
  #section_2 h1 {
    text-align: center;
  }
}

@media screen and (min-width: 1024px) {
  #section_2 {
    padding: 0.5rem 0rem;
  }
  #section_2 h1 {
    font-size: 1.6rem;
    text-align: center;
  }
  #section_2 h4 {
    z-index: 5;
    margin-top: -5rem;
  }
  .bmi_results {
    min-height: 40vh;
    width: 70%;
    margin: auto;
  }
  .bmi_gender_img {
    height: 18rem;
  }
  .bmi_answer {
    font-size: 1.3rem;
  }

  .figure {
    height: 20%;
  }
}
```

```
@media screen and (width: 768px) {
  #section_2 h1 {
    font-size: 2rem;
    text-align: center;
    margin-top: 0rem;
    padding: 2rem 0rem;
  }

  #section_2 h4 {
    font-size: 2rem;
  }
  .bmi_answer {
    font-size: 1.8rem;
    margin-top: 4rem;
  }
#section_2 img {
  width: 13rem;
}

}
@media screen and (width: 540px) {
  #section_2 h1 {
    font-size: 1.8rem;
    padding: 1rem 0rem;
  }

  #section_2 h4 {
    font-size: 1.5rem;
  }
  .bmi_answer {
    font-size: 1.3rem;
    margin-top: 4rem;
  }
  #section_2 img {
    width: 9rem;
    margin-left: -2rem;
  }
}

@media screen and (max-width: 432px) {
  .bmi_results {
    width: 90%;
    margin-top: 2rem;
  }
}
```



```
.bmi_answer {
  margin-top: 2rem;
  font-size: 1.2rem;
}
.bmi_gender_img {
  height: 15rem;
}
}

@media screen and (max-width: 414px) {
  .bmi_results {
    width: 90%;
    margin-top: 2rem;
  }
  .bmi_answer {
    margin-top: 2rem;
    font-size: 1.2rem;
  }
  .bmi_gender_img {
    height: 15rem;
  }
}

@media screen and (max-width: 376px) {
  #section_2 h1 {
    font-size: 1.5rem;
  }
  #section_2 img {
    width: 9rem;
    height: 14.5rem;
    margin-left: 0rem;
  }
  .bmi_answer {
    margin-top: 2rem;
    margin-left: 3rem;
    font-size: 0.9rem;
    text-align: center;
  }
  .bmi_results {
    margin-top: 2rem;
  }
}

@media screen and (max-width: 280px) {
}
```

Calculate.js

```
const gender = document.querySelector(".gender");
const weight = document.querySelector("#weight");
const height = document.querySelector("#height");
const calculate = document.querySelector("#calculate");
const section1 = document.querySelector("#calculate_page");
const section2 = document.querySelector("#section_2");

const male = document.querySelector("#male");
const female = document.querySelector("#female");

const arrowWrapper = document.querySelector(".arrow-wrapper");
const bmi_value = document.querySelector(".bmi_value");
const bmi_results = document.querySelector(".bmi_results");
const bmi_gender_img = document.querySelector(".bmi_gender_img img");
const bmi_answer = document.querySelector(".bmi_answer");
let result;
let selected_gender = "male";

calculate.addEventListener("click", calculate_bmi);
gender.addEventListener("click", selectgender);

bmi_gender_img.src = "../assets/underweight_man.png";
bmi_answer.textContent =
  " Warning: You're officially a lightweight champ! Time to add some snacks to your training routine. It's essential to maintain a balanced diet for overall health. Consider consulting with a nutritionist.";

function calculate_bmi(e) {
  e.preventDefault();

  let weight_value = weight.value;
  let height_value = height.value / 100;

  if (weight_value != "" && height_value != "") {
    let results = weight_value / Math.pow(height_value, 2);
    result = results.toFixed(1);

    section1.style.display = "none";
    section2.style.display = "block";
  }
}
```

```
arrowWrapper.style.transform = `rotate(${result}deg)`;

bmi_value.textContent = `${result}`;

if (selected_gender === "male") {
  if (result <= 18.5) {
  } else if (result > 18.5 && result <= 24.9) {
    bmi_gender_img.src = "../assets/normal_man.png";
    bmi_answer.textContent =
      "Awesome job! Your BMI is in the normal range.You're in the healthy
weight range. Keep up the good work with a balanced diet and regular exercise.";
  } else if (result >= 25 && result <= 29.9) {
    bmi_gender_img.src = "../assets/overweight_man.png";
    bmi_answer.textContent =
      "Breaking news: Your BMI says you're 'overweight.'A small adjustment in
lifestyle can make a big difference. Consider incorporating more physical
activity and making mindful food choices";
  } else {
    bmi_gender_img.src = "../assets/obesed_man.png.png";
    bmi_answer.textContent =
      "Guess what? Your BMI just called you 'fluffy' - it's time to embrace
the fluffiness revolution!. Its never too late to make positive changes. Consider
consulting with a healthcare to create a personalized plan for a healthier
lifestyle.";
  }
} else {
  if (result <= 18.5) {
    bmi_gender_img.src = "../assets/underweight_women.png";
    bmi_answer.textContent =
      "Warning: You're officially a lightweight champ! Time to add some
snacks to your training routine. It's essential to maintain a balanced diet for
overall health. Consider consulting with a nutritionist.";
  } else if (result > 18.5 && result <= 24.9) {
    bmi_gender_img.src = "../assets/normal_woman.png";
    bmi_answer.textContent =
      "Awesome job! Your BMI is in the normal range.You're in the healthy
weight range. Keep up the good work with a balanced diet and regular exercise.";
  } else if (result >= 25 && result <= 29.9) {
    bmi_gender_img.src = "../assets/overweight_woman.png";
    bmi_answer.textContent =
      "Breaking news: Your BMI says you're 'overweight.'A small adjustment in
lifestyle can make a big difference. Consider incorporating more physical
activity and making mindful food choices";
  } else {
```

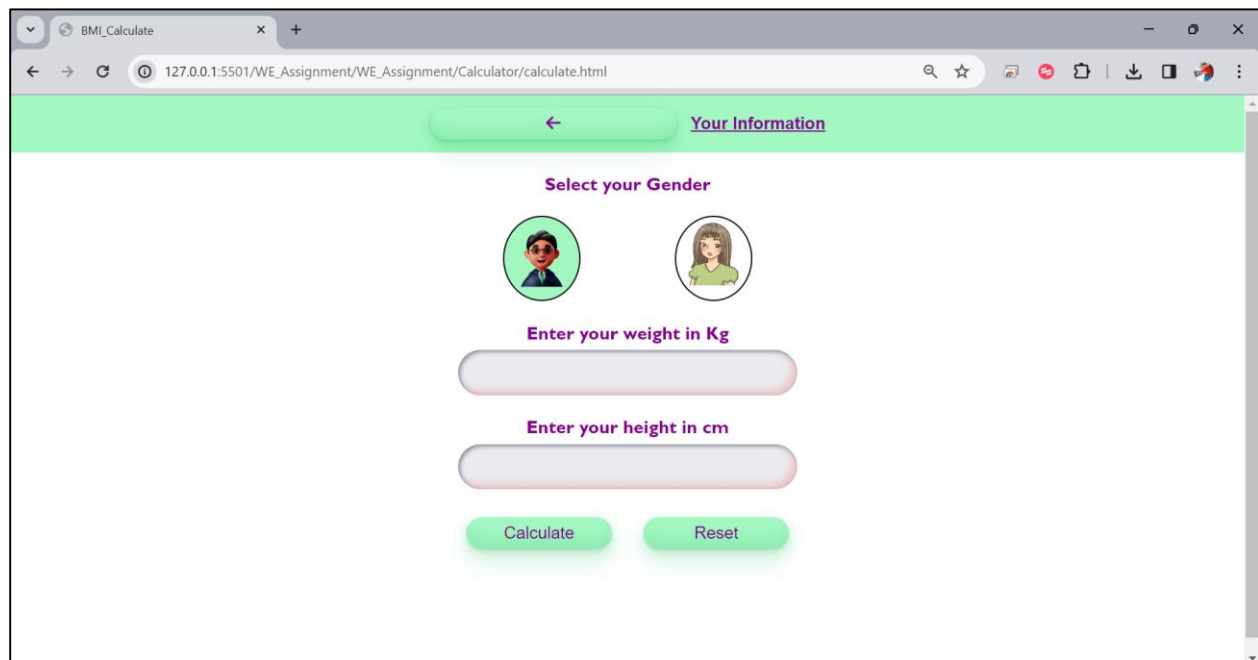
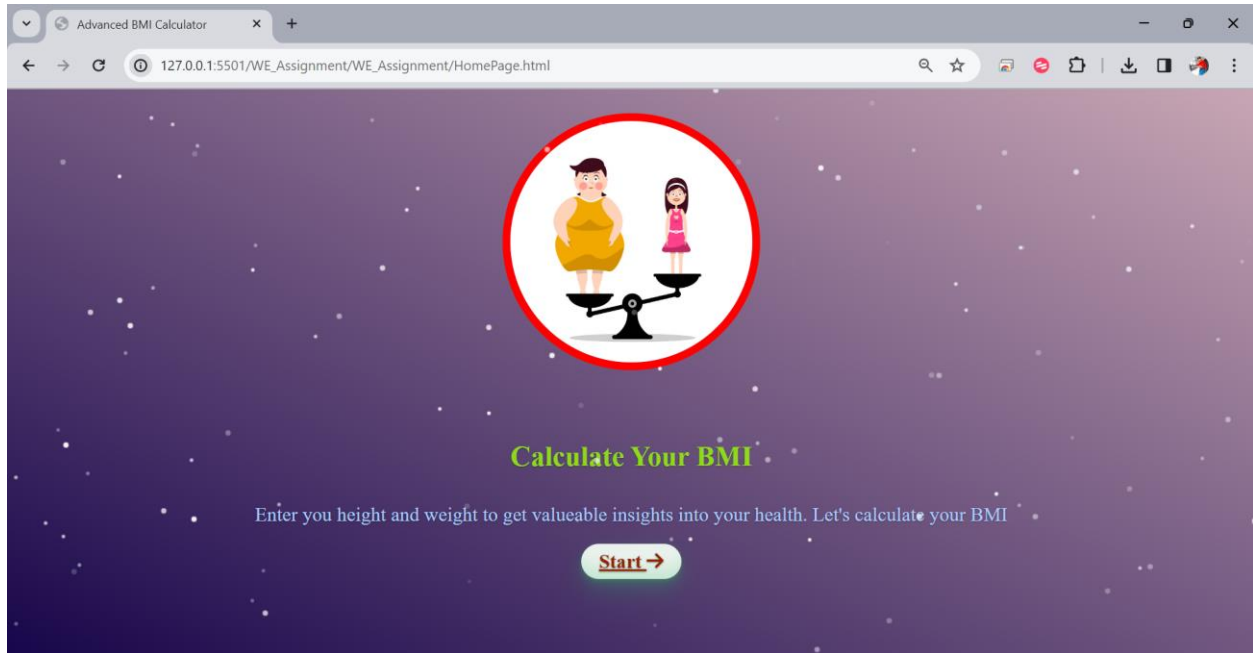
```
        bmi_gender_img.src = "../assets/obesed_woman.png.png";
        bmi_answer.textContent =
            "Guess what? Your BMI just called you 'fluffy' - it's time to embrace
the fluffiness revolution!. Its never too late to make positive changes. Consider
consulting with a healthcare to create a personalized plan for a healthier
lifestyle.";
    }
}
} else {
    alert("input field can't be null");
}
}

function selectgender(e) {
    e.preventDefault();

    selected_gender = e.target.classList[1];

    if (selected_gender == "male") {
        male.style.backgroundColor = "#a3f8c2";
        female.style.backgroundColor = "transparent";
    } else {
        male.style.backgroundColor = "transparent";
        female.style.backgroundColor = "#a3f8c2";
    }
}
```

Output





BMI_Calculate

127.0.0.1:5501/WE_Assignment/WE_Assignment/Calculator/calculate.html

← [Your Information](#)

Select your Gender

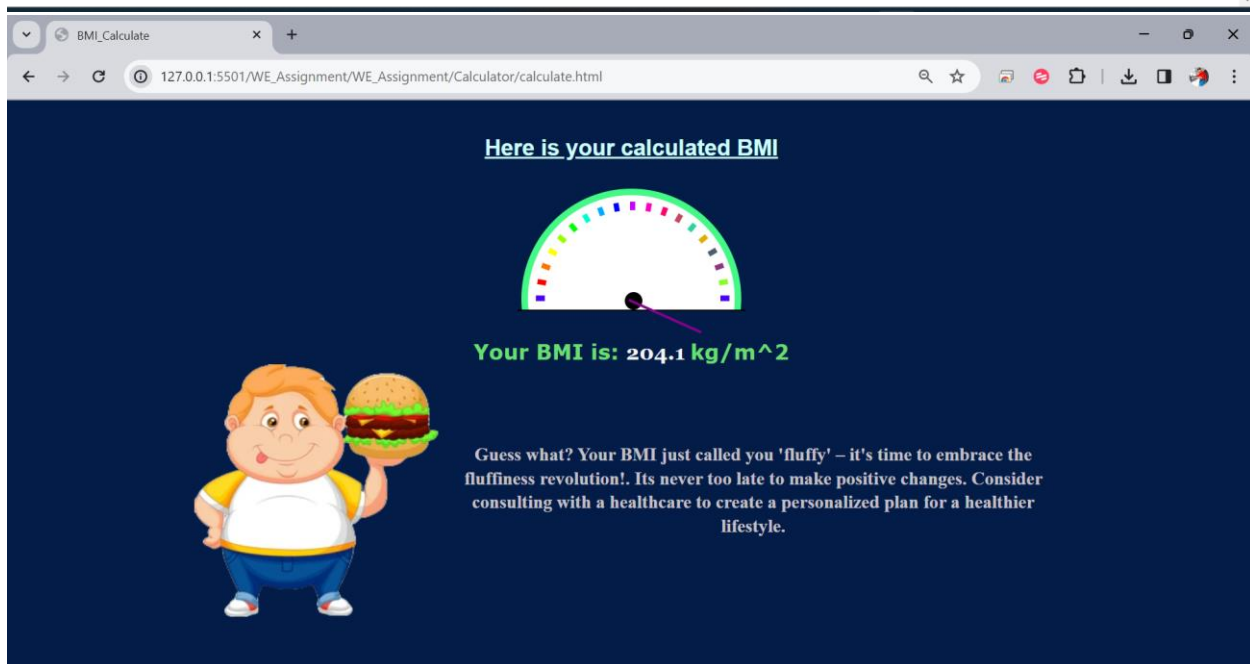
Enter your weight in Kg

100

Enter your height in cm

70


Calculate Reset




BMI_Calculate x +

127.0.0.1:5501/WE_Assignment/WE_Assignment/Calculator/calculate.html

Here is your calculated BMI



Your BMI is: 20.7 kg/m²




Awesome job! Your BMI is in the normal range. You're in the healthy weight range. Keep up the good work with a balanced diet and regular exercise.


BMI_Calculate x +

127.0.0.1:5501/WE_Assignment/WE_Assignment/Calculator/calculate.html

Here is your calculated BMI



Your BMI is: 11.1 kg/m²




Warning: You're officially a lightweight champ! Time to add some snacks to your training routine. It's essential to maintain a balanced diet for overall health. Consider consulting with a nutritionist.


BMI_Calculate

127.0.0.1:5501/WE_Assignment/WE_Assignment/Calculator/calculate.html

Here is your calculated BMI



Your BMI is: 25.0 kg/m²





Breaking news: Your BMI says you're 'overweight.' A small adjustment in lifestyle can make a big difference. Consider incorporating more physical activity and making mindful food choices

BMI_Calculate

127.0.0.1:5501/WE_Assignment/WE_Assignment/Calculator/calculate.html

[←](#) [Your Information](#)

Select your Gender



Enter your weight in Kg


Enter your height in cm

Calculate Reset


BMI_Calculate

127.0.0.1:5501/WE_Assignment/WE_Assignment/Calculator/calculate.html

Here is your calculated BMI



Your BMI is: 102.0 kg/m²




Guess what? Your BMI just called you 'fluffy' – it's time to embrace the fluffiness revolution!. Its never too late to make positive changes. Consider consulting with a healthcare to create a personalized plan for a healthier lifestyle.


BMI_Calculate

127.0.0.1:5501/WE_Assignment/WE_Assignment/Calculator/calculate.html

Here is your calculated BMI

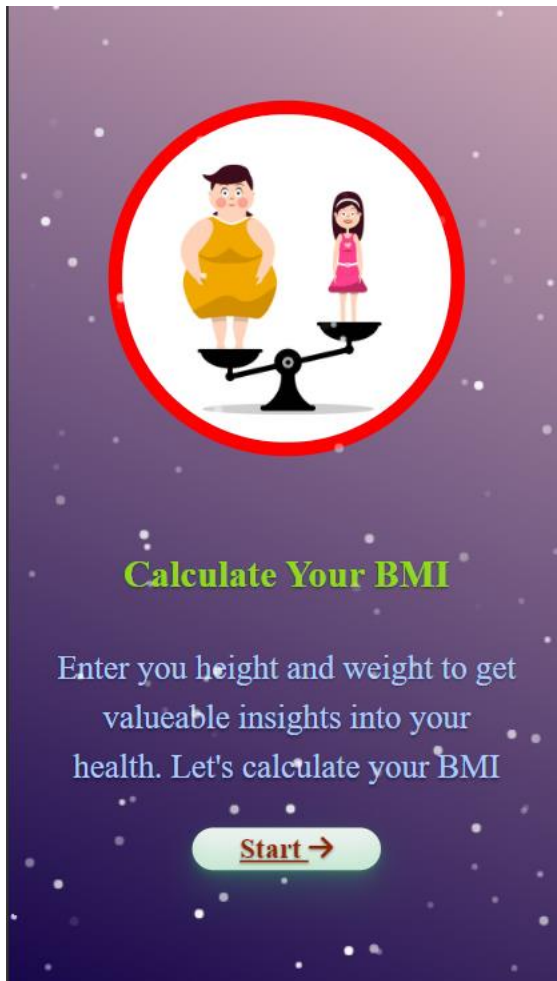


Your BMI is: 25.0 kg/m²




Breaking news: Your BMI says you're 'overweight.' A small adjustment in lifestyle can make a big difference. Consider incorporating more physical activity and making mindful food choices


Mobile Screen



[<](#) Your Information

Select your Gender





Enter your weight in Kg

Enter your height in cm

Calculate

Reset

Here is your calculated BMI



Your BMI is: 408.2 kg/m²



Guess what? Your BMI just called you 'fluffy' – it's time to embrace the fluffiness revolution!. Its never too late to make positive changes. Consider consulting with a healthcare to create a personalized plan for a healthier lifestyle.

Here is your calculated BMI

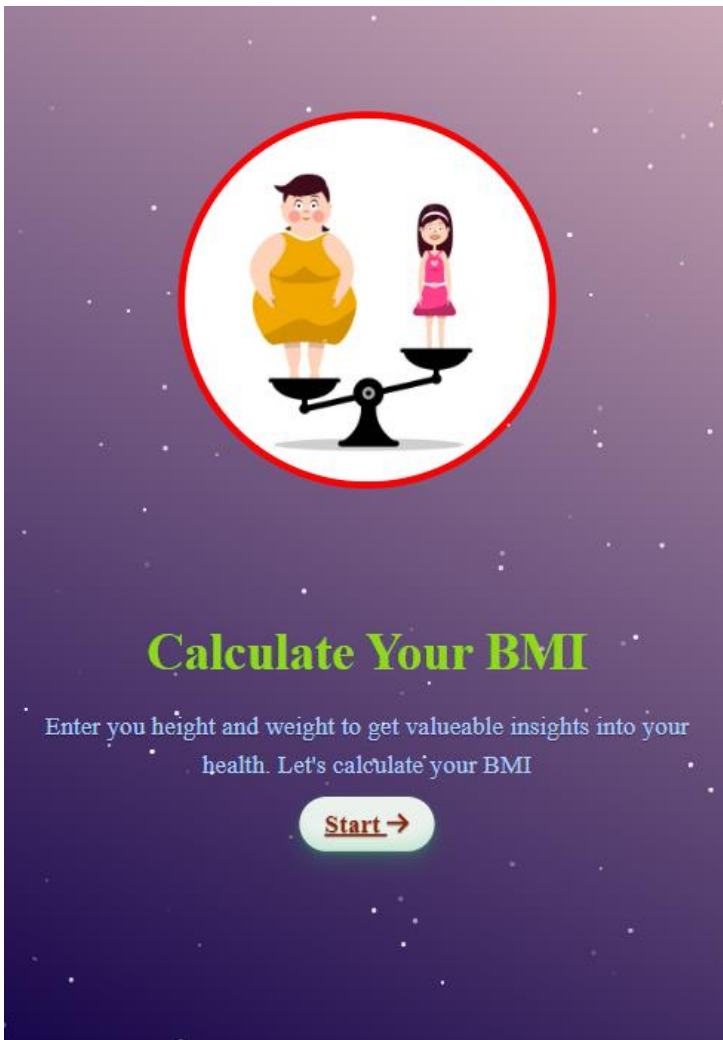


Your BMI is: 408.2 kg/m²





Guess what? Your BMI just called you 'fluffy' – it's time to embrace the fluffiness revolution!. Its never too late to make positive changes. Consider consulting with a healthcare to create a personalized plan for a healthier lifestyle.

Tablet Screen



[←](#) [Your Information](#)

Select your Gender



Enter your weight in Kg

Enter your height in cm

[Calculate](#) [Reset](#)

Here is your calculated BMI



Your BMI is: 69.4 kg/m²



Guess what? Your BMI just called you 'fluffy' – it's time to embrace the fluffiness revolution!. Its never too late to make positive changes. Consider consulting with a healthcare to create a personalized plan for a healthier lifestyle.

Here is your calculated BMI



Your BMI is: 44.4 kg/m²



Guess what? Your BMI just called you 'fluffy' – it's time to embrace the fluffiness revolution!. Its never too late to make positive changes. Consider consulting with a healthcare to create a personalized plan for a healthier lifestyle.