PORTFOLIO PROJECT

Submitted by

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In partial fulfilment of the requirement for the award of the Degree of

Master of Computer Applications

Bharathiar University

Coimbatore.

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Nov 2023

RATHNAVEL SUBRAMANIAM COLLEGE OF ARTS AND SCIENCE

(AUTONOMOUS)

AFFLIATED TO BHARATHIAR UNIVERSITY

NAAC Re-accredited & ISO 9000:2008 Certified

SULUR, COIMBATORE-641402.

Nov 2023

Register Number – **1P23MC033**

Certified *bonafide* original record of work done by **LAVNAYA D**

Internal Supervisor   **Director**

Submitted for the project Evaluation and *Viva Voce* held on**………………….**

Internal Examiner   **External Examiner**

PORTFOLIO PROJECT

Chapter 1:

Video   Introduction

1.1 YouTube Video Introduction

Description:

In this video, I have introduced myself.

Source Code:

HTML:

```
<div class="youtube">
<div class="embed-responsive embed-responsive-16by9 ">
<iframe width="500" height="300" src="https://www.youtube.com/em-
bed/bsghojTL0Hs?si=RJQBkneh9zQAtC6F" allowfullscreen>
</iframe>
</div>
</div>
```
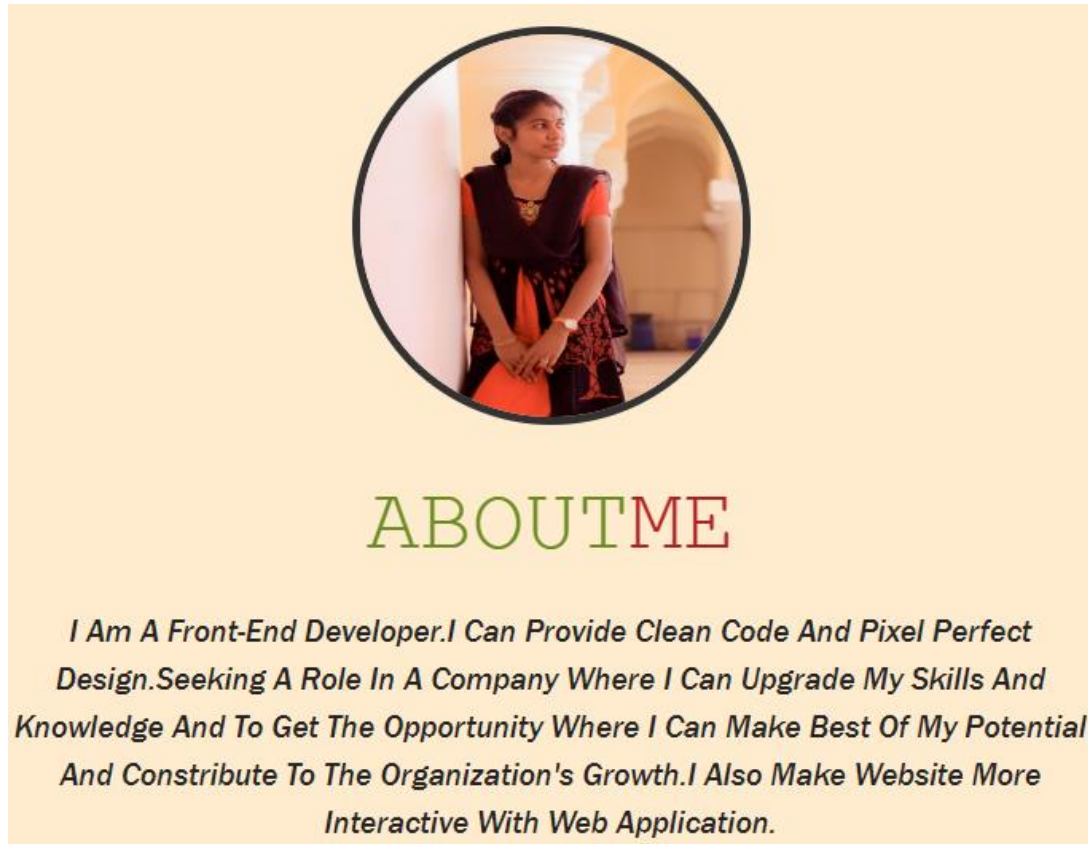
Chapter 2:

Website Bio Score

2.1 About me

Description:

In this page, there is an Image of mine, paragraph about me and also an option called TO VIEW MY RE-SUME. So, that if any user want to see the resume they can directly download from here.

Source Code:

HTML:

```
<section class="about" id="about.html">
<div class="wrappers">
<div class="contain">
<div class="image">
<img src="/images/lavanya.jpg">
</div>
```

```html
<div class="article">
<h2>ABOUT<span>ME</span></h2>
<p>I am a Front-end developer.I can provide clean code and pixel
perfect design.seeking a role in a company  where I can upgrade
my skills and knowledge and to get the opportunity where i can
make best of my potential and constribute to the organization's
growth.I also make website more interactive with web application.</p>
<a href="Lavanya.pdf">Resume </a>
</div>
</div>
</div>
</section>
```

Css:

```css
@importurl ("https://fonts.googleapis.com/css2?family=Roboto+Serif:opsz,wght@8.144,100;8...144,200;
8...144,300; 8...144,400;8...144,500;8...144,600;8...144,700&display=swap");
*{
   margin: 0px;
   padding: 0px;
   box-sizing: border-box;
   `font-family: 'Roboto Serif', serif;
}
. wrappers {
   width: 100%;
   min-height: 100vh;
   background-color: blanchedalmond;
}
. wrappers. Contain {
   display: flex;
   justify-content: center;
   align-items: center;
   flex-direction: column;
```

```css
    width: 50%;
    margin: auto;
}
. contain. Image {
    margin-top: 60px;
}
. contain. image img {
    height: 250px;
    width: 250px;
    border: 5px solid #333;
    border-radius: %;
}
. contain. Article {
    display: flex;
    justify-content: center;
    align-items: center;
    text-align: center;
    flex-direction: column;
    margin: 30px 0px;
}
. contain. article h2{
    color: olivedrab;
    font-size: 55px;
    font-weight: 300;
    font-family: 'Courier New', Courier, monospace;
}
. contain. article span {
    color: firebrick;
    font-size: 55px;
    font-weight: 500;
    font-family: 'Courier New', Courier, monospace;
```

```css
        }
. contain. article p {
    font-size: 19px;
    color: rgb(36, 36, 36);
    margin: 10px 0px;
    line-height: 1.5;
    font-size: 20px;
    font-weight: 400;
    font-style: oblique;
    align-items:flex-start;
    font-family:'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
}
. article a {
    text-decoration: none;
    color: #fff;
    font-size: 20px;
    padding: 10px 16px;
    background-color: #458a49;
    letter-spacing: 1.5px;
    margin-top: 10px;
    font-family: cursive;
}
. article a: hover {
    background-color: #458a49;
}
```

2.2 Contact page

Description:

The above displayed figure is a contact page in the website. If the user wants to contact me, they can fill the form with their valid details.

Source Code:

HTML:

```
<! --contact section-->
<! -- contact1 -->
<section class="con" id="contact.html">
<div class="main" style="background-color:blanchedalmond;">
<div class=" section-gap"></div>
<div class="wrapper">
<h4 class="sub-title text-center">Find us</h4><br>
<h3 class="global-title text-center">Contact Me</h3>
<div class="d-grid contact-view">
<div class="cont-details">
<div class="cont-top">
<div class="cont-left text-center">
```

```html
<span class="fa fa-phone text-primary"></span>
</div>
<div class="cont-right">
<h6>Call </h6>
<p><a href="#">+919360381725</a></p>
</div>
</div>
<div class="cont-top margin-up">
<div class="cont-left text-center">
<span class="fa fa-envelope-o text-primary"></span>
</div>
<div class="cont-right">
<h6>Email</h6>
<p><a href="lavanyaa9360@gmail.com" class="mail">lavanyaa9360@gmail.com</a></p>
</div>
</div>
<div class="cont-top margin-up">
<div class="cont-left text-center">
<span class="fa fa-map-marker text-primary"></span>
</div>
<div class="cont-right">
<h6>Address</h6>
<p>Address here,Nethaji street,Sadhasiva Nagar madurai-625020 India.</p>
</div>
</div>
</div>
<div class="map-content">
<form target="_blank" action="https://formsubmit.co/ammulavaneya@gmail.com" method="post">

<div class="twice-two">
```

```html
<input type="text" class="form-control" name="w3lName" id="w3lName" placeholder="Name" re-
quired="">
<input type="email" class="form-control" name="w3lSender" id="w3lSender" placeholder="Email"
required="">
</div>
<div class="twice">
<input type="text" class="form-control" name="Subject" id="w3lSubject" placeholder="Subject"
required="">
</div>
<textarea name="Message" class="form-control" id="w3lMessage" placeholder="Message"
required=""></textarea><br>
<! -- <button type="submit" class="btn btn-contact">Send</button>-->
<button> SEND </button>
</form>
</div>
</div>
</div>
</div>
</section><br>
<! -- /contact1 -->
<footer>
<div class="media-icons">
<a href="https://www.facebook.com/profile.php?id=61552096843351"><i class="fa fa-facebook-square"
aria-hidden="true"></i></a>
<a href="https://api.whatsapp.com/send?phone=917639651774&text=Hello, more information!" tar-
get="blank"><i class="fa fa-whatsapp" aria-hidden="true"></i></a>
<a href="https://instagram.com/__lavazz_?utm_source=qr&igshid=MzNlNGNkZWQ4Mg%3D%3D"><i
class="fa fa-instagram" aria-hidden="true"></i></a>
<a href="https://www.youtube.com/"><i class="fa fa-youtube-play" aria-hid-
den="true"></i></a></div>&copy; <span>LAVANYA</span> Project.
</footer>
```

Css:

```css
textarea {
 font-family: sans-serif;
}
* {
 box-sizing: border-box;
 margin: 0;
 padding: 0;
 font-family: sans-serif;
}
. con {
 margin-top: 0%;
}
. wrapper {
 width: 100%;
 padding -right: 15px;
 padding-left: 15px;
 margin-right: auto;
 margin-left: auto;
}
@media (min-width: 576px) {
. wrapper {
  max-width: 540px;
 }
}
@media (min-width: 768px) {
. wrapper {
  max-width: 720px;
 }
}
```

```css
@media (min-width: 992px) {
. wrapper {
   max-width: 960px;
  }
}
@media (min-width: 1200px) {
. wrapper {
   max-width: 1140px;
  }
}
. d -grid {
 display: grid;
}
.text-center {
 text-align: center;
}
.text-left {
text-align: left;
}
.text-right {
text-align: right;
}
button,
select {
outline: none;
appearance: none;
}
Button,btn,
select {
 cursor: pointer;
font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Oxygen-Sans, Ubuntu, Catarell,
```

```css
"Helvetica Neue", sans-serif;
}
a {
 text-decoration: none;
}
h1,
h2,
h3,
h4,
h5,
h6 {
 margin: 0;
 padding: 0;
 font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Oxygen-Sans, Ubuntu, Cantarell,
"Helvetica Neue", sans-serif;
}
p {
 margin: 0;
 padding: 0;
}
/* Section top bottom gap */
. section -gap {
 padding: 4.5rem 0;
}
@media screen and (max-width:767px) {
. section -gap {
   padding: 3.5rem 0;
  }
}
@media screen and (max-width:480px) {
. section -gap {
```

```css
    padding: 3rem 0;
   }
}
/* / Section top bottom gap */
/* title-styling */
h3. global -title {
  font-size: 40px;
  line-height: 45px;
  color: olivedrab;
  margin-bottom: 50px;
  text-transform: capitalize;
}
@media screen and (max-width:767px) {
h3. global -title {
    font-size: 40px;
    line-height: 45px;
   }
}
@media screen and (max-width:600px) {
 h3. global-title {
    font-size: 35px;
    line-height: 40px;
   }
}
@media screen and (max-width:500px) {
 h3. global -title {
    font-size: 30px;
    line-height: 35px;
   }
}
/* / title-styling */
```

```css
/* contact1 */
. margin -up {
  margin-top: 2.5rem;
  }
h4.sub-title {
  font-size: 16px;
  margin: 0;
  color: red;
  font-weight: normal;
  }
. contact -view {
  grid-template-columns: 1fr 1.3fr;
  grid-gap: 30px;
  }
. cont-top {
  display: grid;
  grid-template-columns: 20px auto;
  grid-column-gap: 20px;
  }
. twice {
  margin-bottom: 20px;
  }
. cont-details span.fa {
  font-size: 22px;
  color: red;
  display: block;
  margin-top: 3px;
  }
. cont-details h6 {
  font-size: 20px;
  color: red;
```

```css
    font-weight: 600;
  }
. cont-details p,
. cont-details p a {
    font-style: normal;
    font-weight: normal;
    font-size: 16px;
    line-height: 24px;
    color: #333;
    margin-top: 3px;
  }
. cont-details p a: hover {
    text-decoration: underline;
    opacity: 0.8;
    color: darkorchid;
  }
. cont-details address {
    margin: 25px 0;
  }
. cont-details address p {
    margin: 5px 0;
  }
. twice-two {
    display: grid;
    grid-gap: 20px;
    grid-template-columns: 1fr 1fr;
    margin-bottom: 20px;
  }
. map -content form input,
. map -content form textarea {
    background: firebrick;
```

```css
  border: 2px solid gray;
  color: brown;
  font-size: 16px;
  padding: 12px 15px;
  width: 100%;
  border-radius: 4px;
  height: 55px;
  }
. map -content h5 {
  font-size: 25px;
  line-height: 30px;
  margin-bottom: 20px;
  color: #000000;
  }
. map -content form textarea {
  resize: none;
  min-height: 140px;
  }
. map -content form input:focus,
. map -content form textarea:focus {
  outline: none;
  border: 2px solid black;
  background: lightblue;
  box-shadow: none;
  }
/*button.btn-contact {
  border: none;
  font-size: 16px;
  padding: 15px 25px;
  margin: 20px auto 0;
  color: bisque;
```

```
        background: darkolivegreen;

        border-color: darkolivegreen;

        display: inline-block;

        font-weight: 400;

        text-align: center;

        vertical-align:middle;

        cursor: pointer;

        user-select: none;

        border: 1px solid transparent;

        border-radius: 0.25rem;

     }*/

  button {

        text-decoration: none;

        position: relative;

        border: none;

        font-size: 14px;

        font-family: inherit;

        color: #fff;

        width: 9em;

        height: 3em;

        line-height: 2em;

        text-align: center;

        background: linear-gradient (90deg, #03a9f4, #f441a5, #ffeb3b, #03a9f4);

        background-size: 300%;

        border-radius: 30px;

        z-index: 1;

  }

  button:hover {

        animation: ani 8s linear infinite;

        border: none;

     }
```

```css
@keyframes ani {
  0% {
  background-position: 0%;
  }
100% {
  background-position: 400%;
  }
 }
button:before {
  content: ";
  position: absolute;
  top: -5px;
  left: -5px;
  right: -5px;
  bottom: -5px;
  z-index: -1;
  background: linear- gradient (90deg, #03a9f4, #f441a5, #ffeb3b, #03a9f4);
  background-size: 400%;
  border-radius: 35px;
  transition: 1s;
 }
button:hover ::before {
  filter: blur(20px);
 }
button:active {
  background: linear- gradient (32deg, #03a9f4, #f441a5, #ffeb3b, #03a9f4);
 }
. cont-details h6 a {
  color: #051b35;
 }
/* contact1-responsive */
```

```css
@media (max-width: 992px) {
. cont-details p,
. cont-details p a {
   font-size: 16px;
}
. cont-details h5 {
   font-size: 32px;
   line-height: 35px;
}
. contact -view {
   grid-template-columns: 1fr;
}
. map -content {
   margin-top: 40px;
   }
}
@media (max-width: 480px) {
. twice-two {
    grid-template-columns: 1fr;
}
button.btn-contact {
    width: 100%;
   }
}
```
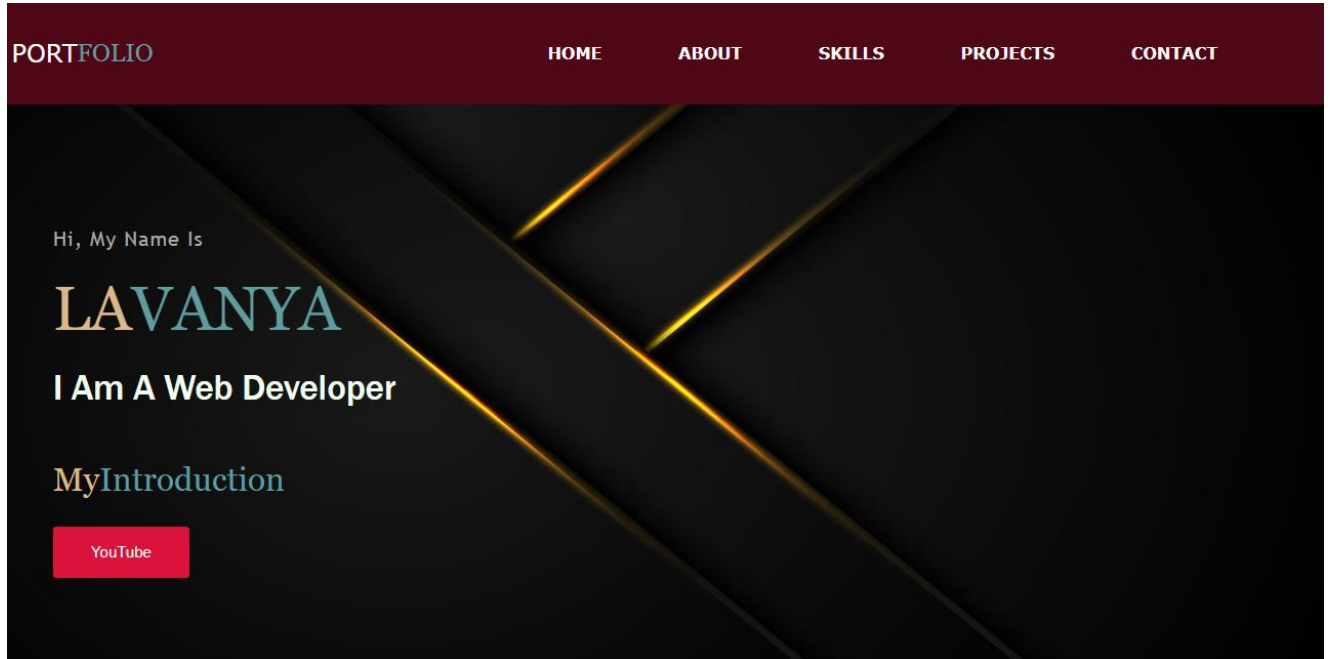
3.1 Landing Page

Description:

The above figures are the screenshot of Homepage in a desktop view. And this is a home screen of the portfolio which shows the landing page and Navigation bar.

Source Code:

HTML:

```
<section class="index" id="index.html">
<nav>
<input id="nav-toggle" type="checkbox">
<div class="logo">PORT<span>FOLIO</span></div>
<ul class="links">
<li><a href="#index.html">HOME</a></li>
<li><a href="#about.html">ABOUT</a></li>
<li><a href="#skill.html">SKILLS</a></li>
<li><a href="#project.html">PROJECTS</a></li>
<li><a href="#contact.html">CONTACT</a></li>
```

```html
</ul>
<label for="nav-toggle" class="icon-burger">
<div class="line"></div>
<div class="line"></div>
<div class="line"></div>
</label>
</nav>
<div class="containers"></div>
<div class="content">
<h4>Hi, My Name is</h4>
<h1>LA<span>VANYA</span></h1>
<h3>I am a Web Developer</h3>
<h2>My<span>Introduction</span></h2>
<a href="" type="button" class="btn">YouTube</a>
</div>
</div>
</section>
```

CSS:

```css
#carouselExampleInterval {
  max-width: 500px;
  margin: auto;
}
body {
  padding: 0;
  margin: 0;
}
. containers {
  position: relative;
  margin-top: 50px;
  height: 100vh;
  width: 100%;
```

```css
    background-image: url(images/tree.png);
    background-size: cover;
    background-position: center;
}
. containers img {
    display: block;
    width: 100%;
}
Span {
    color: cadetblue;
    font-family: Georgia, 'Times New Roman', Times, serif;
}
nav {
    position: fixed;
    z-index: 10;
    left: 0;
    right: 0;
    top: 0;
    font-family: 'Montserrat', sans-serif;
    padding: 0 5%;
    height: 100px;
    background-color: rgb (80, 8, 22);
}
nav.logo {
    float: left;
    width: 40%;
    height:100%;
    display: flex;
    align-items: center;
    font-size: 24px;
    color: #fff;
```

```css
    font-family:Verdana, Geneva, Tahoma, sans-serif;
}
nav. links {
    float: right;
    padding: 0;
    margin: 0;
    width: 60%;
    height: 100%;
    display: flex;
    justify-content: space-around;
    align-items: center;
}
nav. links li {
    list-style: none;
}
nav. links a {
    display: block;
    padding: 1em;
    font-size: 16px;
    font-weight: bold;
    color: #fff;
    text-decoration: none;
    font-family:Verdana, Geneva, Tahoma, sans-serif;
}
#nav-toggle {
    position: absolute;
    top: -100px;
}
nav. icon-burger {
    display: none;
    position: absolute;
```

```css
    right: 5%;
    top: 50%;
    transform: translateY(-50%);
}
nav. icon-burger. line {
    width: 30px;
    height: 5px;
    background-color: #fff;
    margin: 5px;
    border-radius: 3px;
    transition: all .3s ease-in-out;
}
@media screen and (max-width: 768px) {
nav. logo {
    float: none;
    width: auto;
    justify-content: center;
}
nav. links {
    float: none;
    position: fixed;
    z-index: 9;
    left: 0;
    right: 0;
    top: 100px;
    bottom: 100%;
    width: auto;
    height: auto;
    flex-direction: column;
    justify-content: space-evenly;
    background-color: rgba(0,0,0,.8);
```

```css
    overflow: hidden;

    box-sizing: border-box;

    transition: all .5s ease-in-out;

    }

nav. links a {

    font-size: 20px;

}

nav: checked ~. links {

    bottom: 0;

}

nav. icon-burger {

    display: block;

}

nav: checked ~. icon-burger. line:nth-child(1) {

    transform: translateY(10px) rotate(225deg);

}

nav: checked ~. icon-burger. line:nth-child(3) {

transform: translateY(-10px) rotate(-225deg);

}

nav: checked ~. icon-burger. line:nth-child(2) {

    opacity: 0;

}

}

. content {

    position: absolute;

    top:60%;

    left:8%;

    transform: translateY(-50%);

}

. content h1{

    color: burlywood;
```

```css
   font-size: 60px;

   margin:20px 0px 20px;

   font-family: Georgia, 'Times New Roman', Times, serif;

}

. content h3{

   color: honeydew;

   font-size: 35px;

   margin-bottom: 50px;

   font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;

}

. content h4{

   color:darkgray;

   letter-spacing: 1px;

   font-size: 20px;

   font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

}

. content h2{

   color: burlywood;

   font-family: Georgia, 'Times New Roman', Times, serif;

}

/*youtube*/

. content a {

   display: inline-block;

   background: crimson;

   color: #fff;

   font-size: 15px;

   padding: 13px 36px;

   margin-top: 19px;

   font-weight: 400;

   border-radius: 3px;

   border: 1px solid crimson;
```

```
    transition: all 0.3s ease;
}
. content a: hover {
    color: rgb (139,173,44);
    background: none;
}
```

(Mobile view sample for one background image)

Description:

The above figures are the screenshot of Homepage in a Mobile view. And this is a home screen of the portfolio which shows the landing page and Navigation bar.

3.2 Project Page
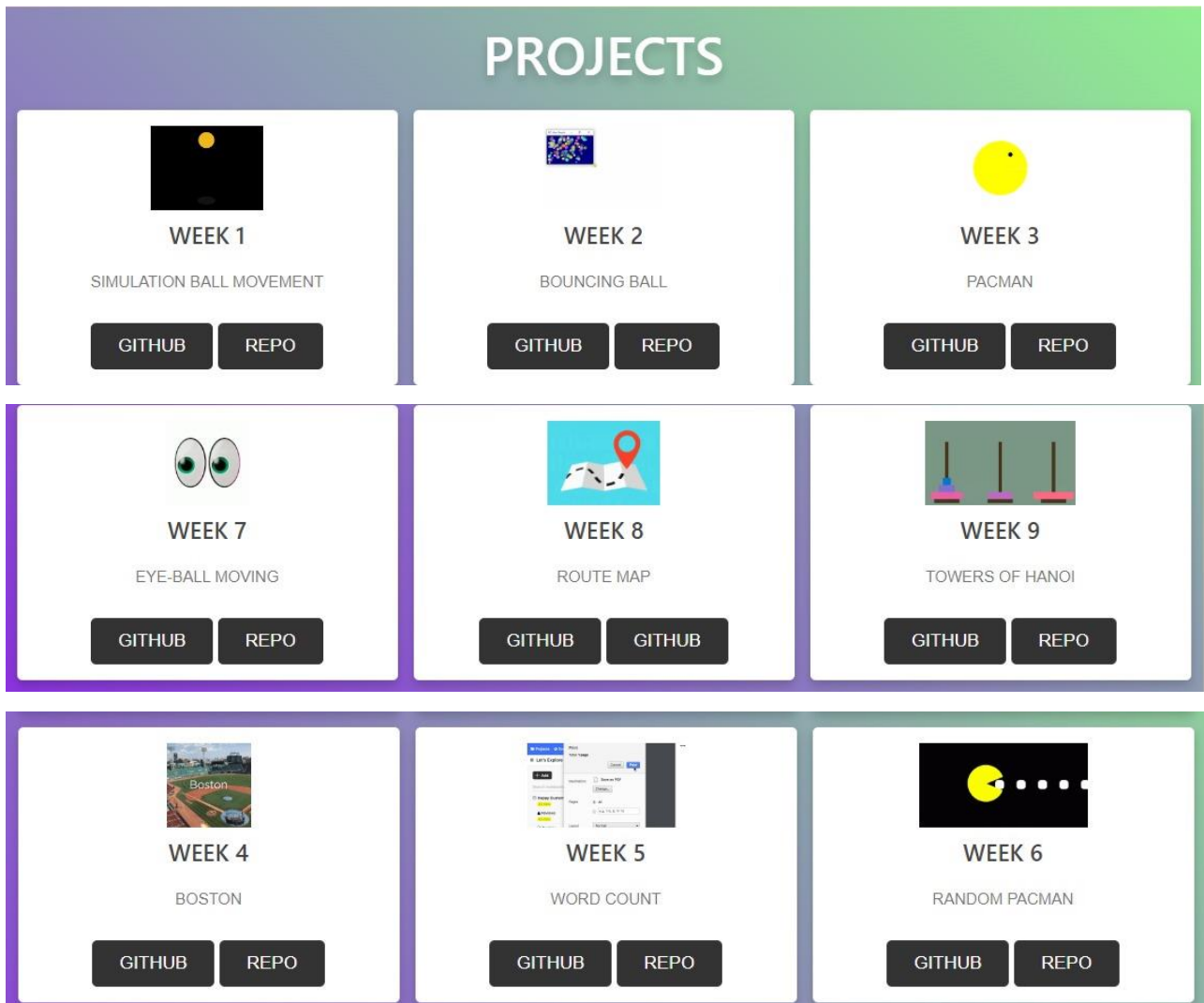
Source Code:

HTML:

```
<! --project section start-->
<section class="pro" id="project.html">
<div class="container">
<h1 class="heading">PROJECTS</h1>
<div class="box-container">
<div class="box">
```

```html
<img src="images/bouncing ball.gif" alt="">
<h3>WEEK 1</h3>
<p>SIMULATION BALL MOVEMENT</p>
<a href="https://github.com/Lavanyamca23/Ball-Direction" class="btn">GITHUB</a> <a href="https://lavanyamca23.github.io/Ball-Direction/" class="btn">REPO</a>
</div>
<div class="box">
<img src="images/random balls bo.gif" alt="">
<h3>WEEK 2</h3>
<p>BOUNCING BALL</p>
<a href="https://github.com/Lavanyamca23/Container"class="btn">GITHUB</a> <a href="https://lavanyamca23.github.io/Container/" class="btn">REPO</a>
</div>
<div class="box">
<img src="images/pacman1.webp" alt="">
<h3>WEEK 3</h3>
<p>PACMAN</p>
<a href="https://github.com/Lavanyamca23/Pacman_Moving"class="btn">GITHUB</a> <a href="https://lavanyamca23.github.io/Pacman_Moving/" class="btn">REPO</a>
</div>
<div class="box">
<img src="images/boston.gif" alt="">
<h3>WEEK 4</h3>
<p>BOSTON</p>
<a href="https://github.com/Lavanyamca23/BOSTON"class="btn">GITHUB</a> <a href="https://lavanyamca23.github.io/BOSTON/" class="btn">REPO</a>
</div>
<div class="box">
<img src="images/word.gif" alt="">
<h3>WEEK 5</h3>
<p>WORD COUNT</p>
```

```html
<a href="https://github.com/Lavanyamca23/Word_Count" class="btn">GITHUB</a> <a href="https://lavanyamca23.github.io/Word_Count/" class="btn">REPO</a>
</div>
<div class="box">
<img src="images/pacman ball.gif" alt="">
<h3>WEEK 6</h3>
<p>RANDOM PACMAN</p>
<a href="https://github.com/Lavanyamca23/Pacman_Game" class="btn">GITHUB</a> <a href=" https://lavanyamca23.github.io/Pacman_Game/" class="btn">REPO</a>
</div>
<div class="box">
<img src="images/eyes-moving.gif" alt="">
<h3>WEEK 7</h3>
<p>EYE-BALL MOVING</p>
<a href="https://github.com/Lavanyamca23/EyeBall_movement"class="btn">GITHUB</a> <a
href="https://lavanyamca23.github.io/EyeBall_movement/" class="btn">REPO</a>
</div>
<div class="box">
<img src="images/location-map.gif" alt="">
<h3>WEEK 8</h3>
<p>ROUTE MAP</p>
<a href="https://github.com/Lavanyamca23/Maping"class="btn">GITHUB</a> <a href=" https://lavanyamca23.github.io/Maping/" class="btn">GITHUB</a>
</div>
<div class="box">
<img src="images/tower gif.gif" alt="">
<h3>WEEK 9</h3>
<p>TOWERS OF HANOI</p>
<a href="https://github.com/Lavanyamca23/Tower-of-Hanoi" class="btn">GITHUB</a> <a href="https://lavanyamca23.github.io/Tower-of-Hanoi/" class="btn">REPO</a>
</div>
```

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```
</div>

</div>

<! --six user design ends here-->

</section>
```

CSS:

```css
@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600;700&display=swap');
*{
    font-family: 'Poppins', sans-serif;
    margin:0; padding:0;
    box-sizing: border-box;
    outline: none; border:none;
    text-decoration: none;
    text-transform: capitalize;
    transition: .2s linear;
}
.pro {
 background-color: blanchedalmond;
}
.container {
    background:linear-gradient(45deg, blueviolet, lightgreen);
    padding:15px 9%;
    padding-bottom: 100px;
}
.container. heading {
    text-align: center;
    padding-bottom: 15px;
    color: #fff;
    text-shadow: 0 5px 10px rgba(0,0,0,.2);
    font-size: 50px;
}
```

```css
.container. box-container {
   display: grid;
   grid-template-columns: repeat (auto-fit, minmax (270px, 1fr));
   gap:15px;
}
.container. box-container. Box {
   box-shadow: 0 5px 10px rgba (0,0,0,.2);
   border-radius: 5px;
   background: #fff;
   text-align: center;
   padding:15px 10px;
}
.container. box-container. box img {
   height: 80px;
}
.container. box-container. box h3{
   color: #444;
   font-size: 22px;
   padding:10px 0;
}
.container. box-container. box p {
   color: #777;
   font-size: 15px;
   line-height: 1.8;
}
.container. box-container. box. btn {
   margin-top: 10px;
   display: inline-block;
   background: #333;
   color: #fff;
   font-size: 17px;
```

```css
    border-radius: 5px;

    padding: 8px 25px;

}

.container. box-container. box. btn:hover{

    letter-spacing: 1px;

}

.container. box-container. box:hover{

    box-shadow: 0 10px 15px rgba(0,0,0,.3);

    transform: scale (1.03);

}
```

PROJECT 2

PROJECT 3
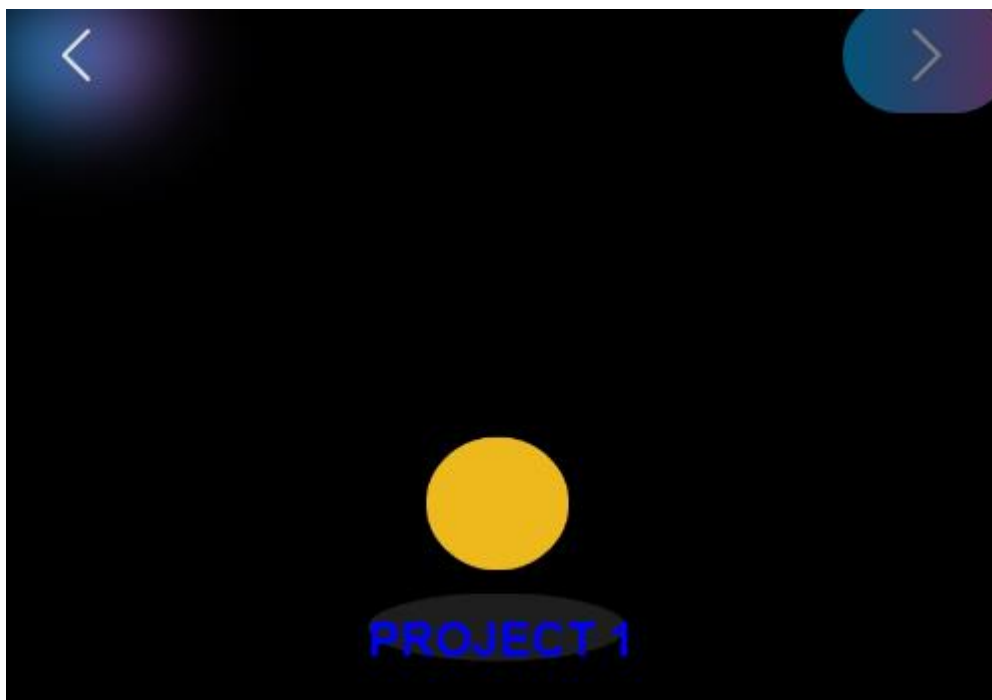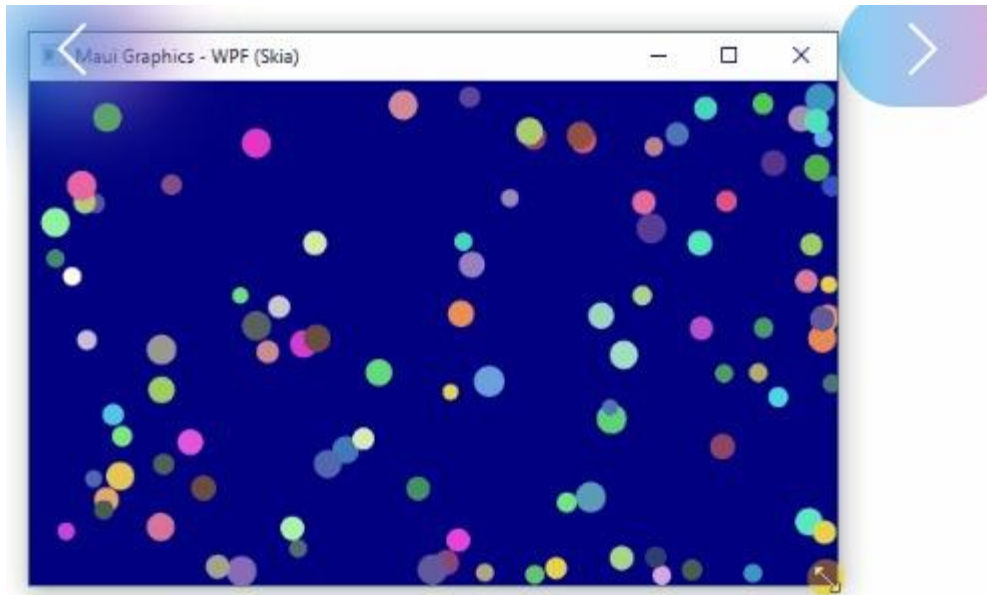
PROJECT 5
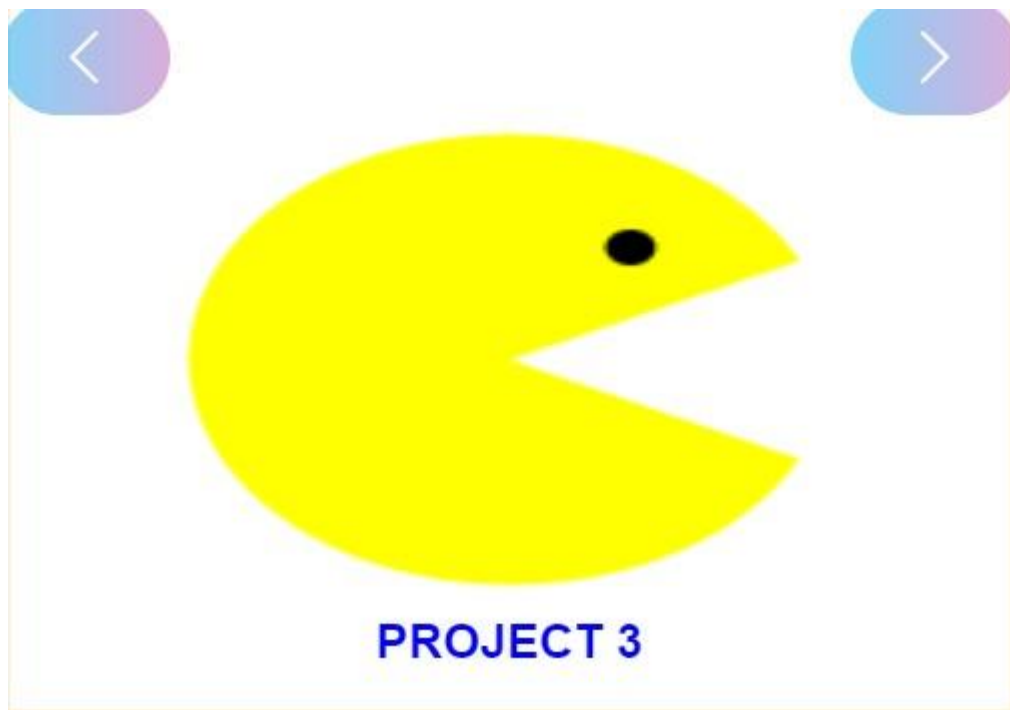
PROJECT 6
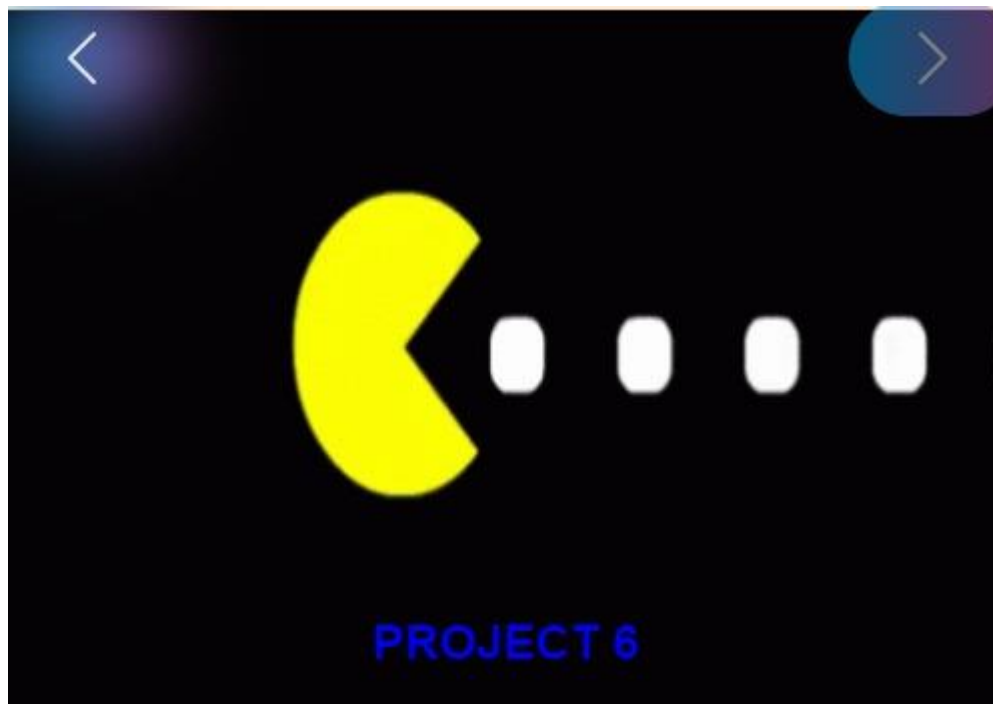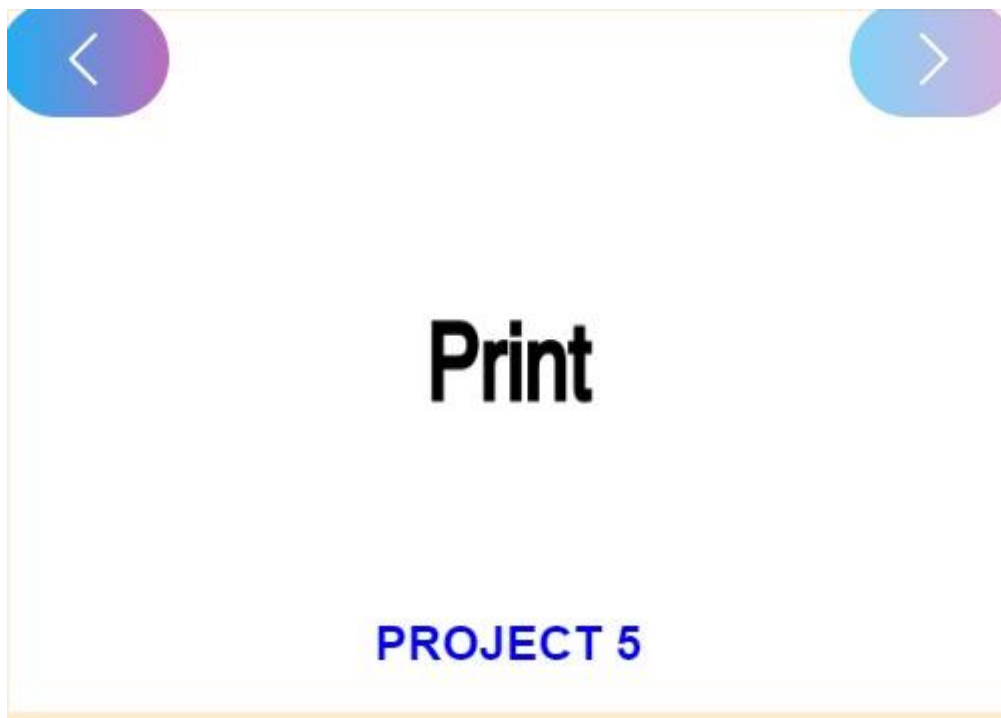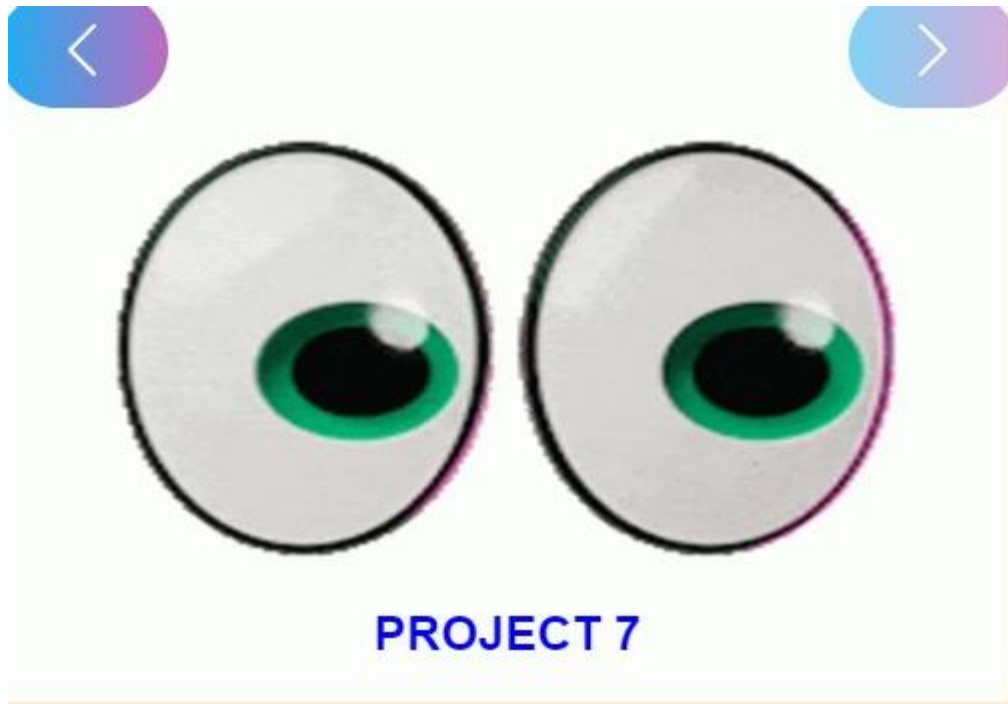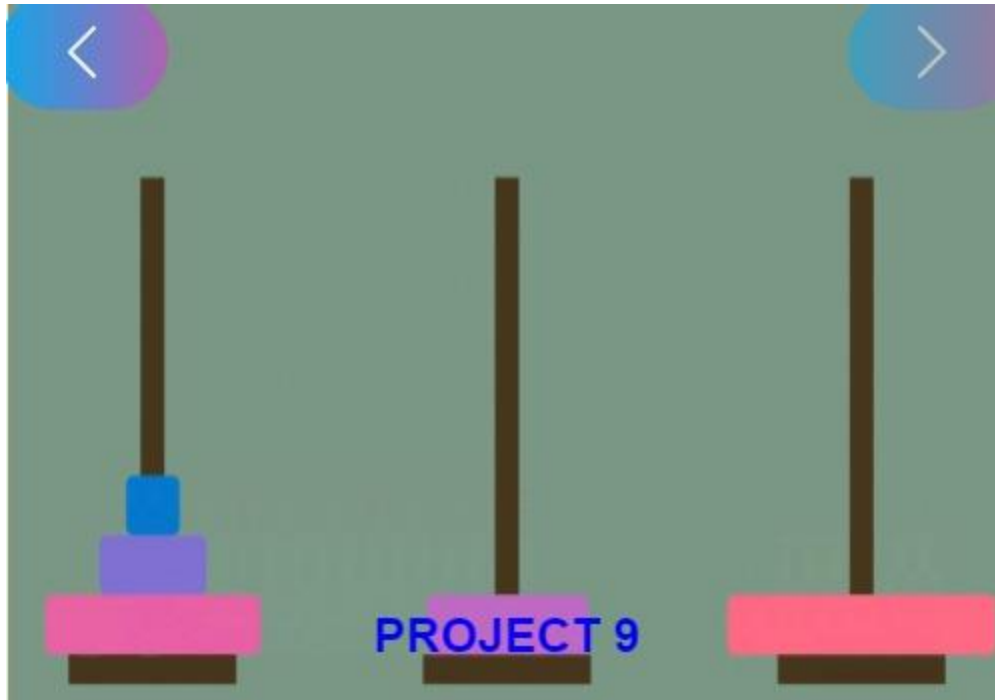
PROJECT 7

PROJECT 8

Description:

The above figures are the screenshot of project page in a desktop view. In this section, there was 9 projects. The user can easily identify the idea of the project by their index images and titles in the cards.

Features:

In this section, there will be a dot at the bottom. The user can click on the dots 3 dots to move, another set of projects. If the user opens the website in a mobile, this project section cards will display one-by-one. So, there will be 9 dots, so the user can click and view the projects as per their wish.

Source Code:

HTML:

```
<! --slide section start-->
<section class="slide">
<div class="main" style="margin-top: 0%; background-color: blanchedalmond; ">
<! --Slideshow container -->
<br><br>
<br><br>
<div id="carouselExampleInterval" class="carousel slide" data-bs-ride="carousel" style="height:350px; width:
100%;">
<div class="carousel-inner">
<div class="carousel-item active" data-bs-interval="1500">
```

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```
<img src="images/bouncing ball.gif" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 1</div>
</div>
<div class="carousel-item" data-bs-interval="1500">
<img src="images/random balls bo.gif" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 2</div>
</div>
<div class="carousel-item" data-bs-interval="1500">
<img src="images/pacman1.webp" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 3</div>
</div>
<div class="carousel-item" data-bs-interval="1500">
<img src="images/boston.gif" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 4</div>
</div>
<div class="carousel-item" data-bs-interval="1500">
<img src="images/word.gif" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 5</div>
</div>
<div class="carousel-item" data-bs-interval="1500">
<img src="images/pacman ball.gif" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 6</div>
</div>
<div class="carousel-item" data-bs-interval="1500">
<img src="images/eyes-moving.gif" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 7</div>
</div>
<div class="carousel-item" data-bs-interval="1500">
<img src="images/location-map.gif" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 8</div>
</div>
<div class="carousel-item" data-bs-interval="1500">
<img src="images/tower gif.gif" class="d-block w-100" alt="..." style="height: 350px; width: 100%;">
```

```
<div class="text1" style="color: blue; font-weight: bolder;font-size: x-large;">PROJECT 9</div>
</div>
</div>
<button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleInterval" data-bs-slide="prev">
<span class="carousel-control-prev-icon" aria-hidden="true"></span>
<span class="visually-hidden">Previous</span>
</button>
<button class="carousel-control-next" type="button" data-bs-target="#carouselExampleInterval" data-bs-slide="next">
<span class="carousel-control-next-icon" aria-hidden="true"></span>
<span class="visually-hidden">Next</span>
</button>
</div>
</section>
```

CSS:

```
/* project */
.mySlides {display: none;}
img {vertical-align: middle;}
/* Slideshow container */
. slideshow-container {
   max-width: 1000px;
   position: relative;
   margin: auto;
}
/* Caption text */
.text1 {
   color: #f2f2f2;
   font-size: 15px;
   padding: 8px 12px;
   position: absolute;
   bottom: 8px;
```

```css
    width: 100%;
    text-align: center;
}*/
/* Number text (1/3 etc) */
.numbertext {
    color: #f2f2f2;
    font-size: 12px;
    padding: 8px 12px;
    position: absolute;
    top: 0;
}
/* The dots/bullets/indicators */
.dot {
    height: 15px;
    width: 15px;
    margin: 0 2px;
  background-color: #bbb;
    border-radius: 50%;
    display: inline-block;
    transition: background-color 0.6s ease;
}
/* Fading animation */
. fade {
    animation-name: fade;
    animation-duration: 1.5s;
}
@keyframes fade {
    from {opacity: .4}
    to {opacity: 1}
}
/* On smaller
screens, decrease text size */
@media only screen and (max-width: 300px) {
```

```css
    .text {font-size: 11px}
}
/* end of project */
@media (max-width:768px) {
.container {
    padding:20px;
    }
}
```

3.3 Navigation Bar

Desktop View

.

Description:

The figure are the samples of navigation bar in both desktop View.This was a user-friendlymethod only, so the user can easily use the features.

Source Code:

HTML:

```
<nav>
<input id="nav-toggle" type="checkbox">
<div class="logo">PORT<span>FOLIO</span></div>
<ul class="links">
<li><a href="#index.html">HOME</a></li>
<li><a href="#about.html">ABOUT</a></li>
<li><a href="#skill.html">SKILLS</a></li>
<li><a href="#project.html">PROJECTS</a></li>
<li><a href="#contact.html">CONTACT</a></li>
</ul>
<label for="nav-toggle" class="icon-burger">
<div class="line"></div>
<div class="line"></div>
<div class="line"></div>
</label>
</nav>
```

CSS:

```
nav {
    position: fixed;
    z-index: 10;
```

```css
    left: 0;

    right: 0;

    top: 0;

    font-family: 'Montserrat', sans-serif;

    padding: 0 5%;

    height: 100px;

    background-color: rgb(80, 8, 22);

}

nav. logo {

    float: left;

    width: 40%;

    height: 100%;

    display: flex;

    align-items: center;

    font-size: 24px;

    color: #fff;

    font-family:Verdana, Geneva, Tahoma, sans-serif;

}

nav. links {

    float: right;

    padding: 0;

    margin: 0;

    width: 60%;

    height: 100%;

    display: flex;

    justify-content: space-around;

    align-items: center;

}

nav. links li {

    list-style: none;

}
```

```css
nav. links a {
   display: block;
   padding: 1em;
   font-size: 16px;
   font-weight: bold;
   color: #fff;
   text-decoration: none;
   font-family:Verdana, Geneva, Tahoma, sans-serif;
}
#nav-toggle {
   position: absolute;
   top: -100px;
}
nav. icon-burger {
   display: none;
   position: absolute;
   right: 5%;
   top: 50%;
   transform: translateY(-50%);
}
nav. icon-burger. line {
   width: 30px;
   height: 5px;
   background-color: #fff;
   margin: 5px;
   border-radius: 3px;
   transition: all .3s ease-in-out;
}
@media screen and (max-width: 768px) {
nav. logo {
   float: none;
```

```css
    width: auto;
    justify-content: center;
}
nav. links {
    float: none;
    position: fixed;
    z-index: 9;
    left: 0;
    right: 0;
    top: 100px;
    bottom: 100%;
    width: auto;
    height: auto;
    flex-direction: column;
    justify-content: space-evenly;
    background-color: rgba(0,0,0,.8);
    overflow: hidden;
    box-sizing: border-box;
    transition: all .5s ease-in-out;
}
nav. links a {
    font-size: 20px;
}
nav: checked ~. links {
    bottom: 0;
}
nav. icon-burger {
    display: block;
}
nav: checked ~. icon-burger. line:nth-child(1) {
    transform: translateY(10px) rotate(225deg);
```

```
}
nav: checked ~. icon-burger. line:nth-child(3) {
   transform: translateY(-10px) rotate(-225deg);
}
nav: checked ~. icon-burger. line:nth-child(2) {
   opacity: 0;
}
}
```

Mobile view
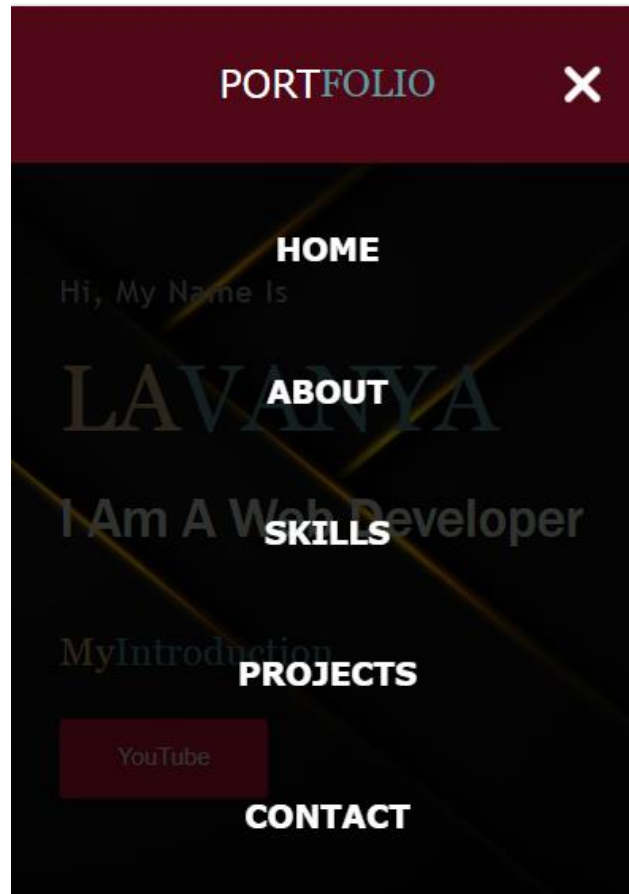
Description:

The figure-3.3.1 are the samples of navigation bar in both mobile View.This was a user-friendlymethod only, so the user can easily use the features.

Features:

There are many styles are added. Whenever the user move lists to the navigation bar it will change the color to goldenrod. And also the navigation bar will be stable in the same position,even we switch to any other pages.

CSS:

```
@media screen and (max-width: 768px) {
nav. logo {
    float: none;
    width: auto;
    justify-content: center;
```

```css
}
nav. links {
   float: none;
   position: fixed;
   z-index: 9;
   left: 0;
   right: 0;
   top: 100px;
   bottom: 100%;
   width: auto;
   height: auto;
   flex-direction: column;
   justify-content: space-evenly;
   background-color: rgba(0,0,0,.8);
   overflow: hidden;
   box-sizing: border-box;
   transition: all .5s ease-in-out;
}
nav. links a {
   font-size: 20px;
}
nav: checked ~. links {
   bottom: 0;
}
nav. icon-burger {
   display: block;
}
nav: checked ~. icon-burger. line:nth-child(1) {
   transform: translateY(10px) rotate(225deg);
}
nav: checked ~. icon-burger. line:nth-child(3) {
```

```
    transform: translateY(-10px) rotate(-225deg);
}
nav: checked ~. icon-burger. line:nth-child(2) {
    opacity: 0;
}
}
```

SKILLS:

Description:

The above figures are skill page, which contain a subdivision named PERSONAL SKILLS. Basically, it is an animation, when the user loads the page, it will load or fill the color in the barfrom 0th position.

Source Code:

HTML:

```
<! -- Skill section start-->
<section class="skill" id="skill.html">
<div class="skills_section">
<div class="skills_head">
<h2>My <span>Skills</span></h2><br>
<p>Here is my skills to represent my Expertise</p>
</div>
<div class="skills_main">
<div class="skill_bar">
<div class="info">
```

```html
<p>HTML</p>
<P>90%</P>
</div>
<div class="bar">
<span class="html"></span>
</div>
</div>
<div class="skill_bar">
<div class="info">
<p>CSS</p>
<P>80%</P>
</div>
<div class="bar">
<span class="css"></span>
</div>
</div>
<div class="skill_bar">
<div class="info">
<p>Java Script</p>
<P>60%</P>
</div>
<div class="bar">
<span class="js"></span>
</div>
</div>
<div class="skill_bar">
<div class="info">
<p>Java</p>
<P>50%</P>
</div>
<div class="bar">
```

```html
<span class="java"></span>
</div>
</div>
</div>
</div>
</section>
```

CSS:

```css
@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600&family=Rancho&family=Water+Brush&display=swap');
*{
    padding: 0;
    margin: 0;
    box-sizing: border-box;
    font-family: poppins;
}
. skills_section {
    width: 100%;
    height: 100vh;
    padding: 0px 13%;
    background-color: rgba(0, 0, 0, 0.082);
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
    background-color: blanchedalmond;
}
. skills_head {
    width: 100%;
    margin-bottom: 100px;
    display: grid;
    place-items: center;
```

```css
    text-align: center;
}
. skills_head h2{
    font-size: 30px;
    margin-bottom: -5px;
    color: olivedrab;
}
. skills_head h2 span {
    color:  firebrick;
}
. skills_head p {
    color: #321e1e;
    font-size: larger;
    font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode', Geneva, Ver-
dana, sans-serif;
}
. skills_main {
    width: 100%;
    display: grid;
    grid-template-columns: repeat (2, 1fr);
    grid-row-gap: 30px;
    grid-column-gap: 50px;
    color: rgb(36, 36, 36);
}
. skills_main. skill_bar .info {
    display: flex;
    justify-content: space-between;
    align-items: center;
    padding:  0 10px;
    color: rgb (36, 36, 36);
}
```

```css
. skill_bar .info p: nth-child (2) {
   font-weight: 500;
}
. skill_bar. Bar {
   width: 100%;
   height: 10px;
   background-color: rgba (0, 0, 0, 0.144);
   border-radius: 25px;
   margin-top: 5px;
   position: relative;
}
. skill_bar. bar span {
   width: 50%;
   height: 100%;
   position: absolute;
   background-color: firebrick;
   border-radius: 25px;
}
. skill_bar. bar .html {
   width: 90%;
   animation: html 2s;
}
@keyframes html {
   0% {
   width: 0%;
   }
   100% {
   width: 90%;
}
}
. skill_bar. bar .css {
```

```css
    width: 85%;
    animation: css 2s;
}
@keyframes css {
    0% {
    width: 0%;
}
}
100% {
    width: 85%;
}
}
. skill_bar. bar .js {
    width: 80%;
    animation: css 2s;
}
@keyframes js {
    0% {
    width: 0%;
}
}
100% {
    width: 80%;
}
}
. skill_bar. bar .java {
    width: 50%;
    animation: java 2s;
}
@keyframes java {
    0% {
    width: 0%;
}
```

```
100% {
    width: 50%;
}
}
```

Chapter 4:

Styles Score

4.1 Style Link

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awe-some.min.css">

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2Kadq2F9CUG65" crossorigin="anonymous">

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awe-some.min.css" integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNH-SoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN" crossorigin="anonymous">

4.2 Use of Grid Layout
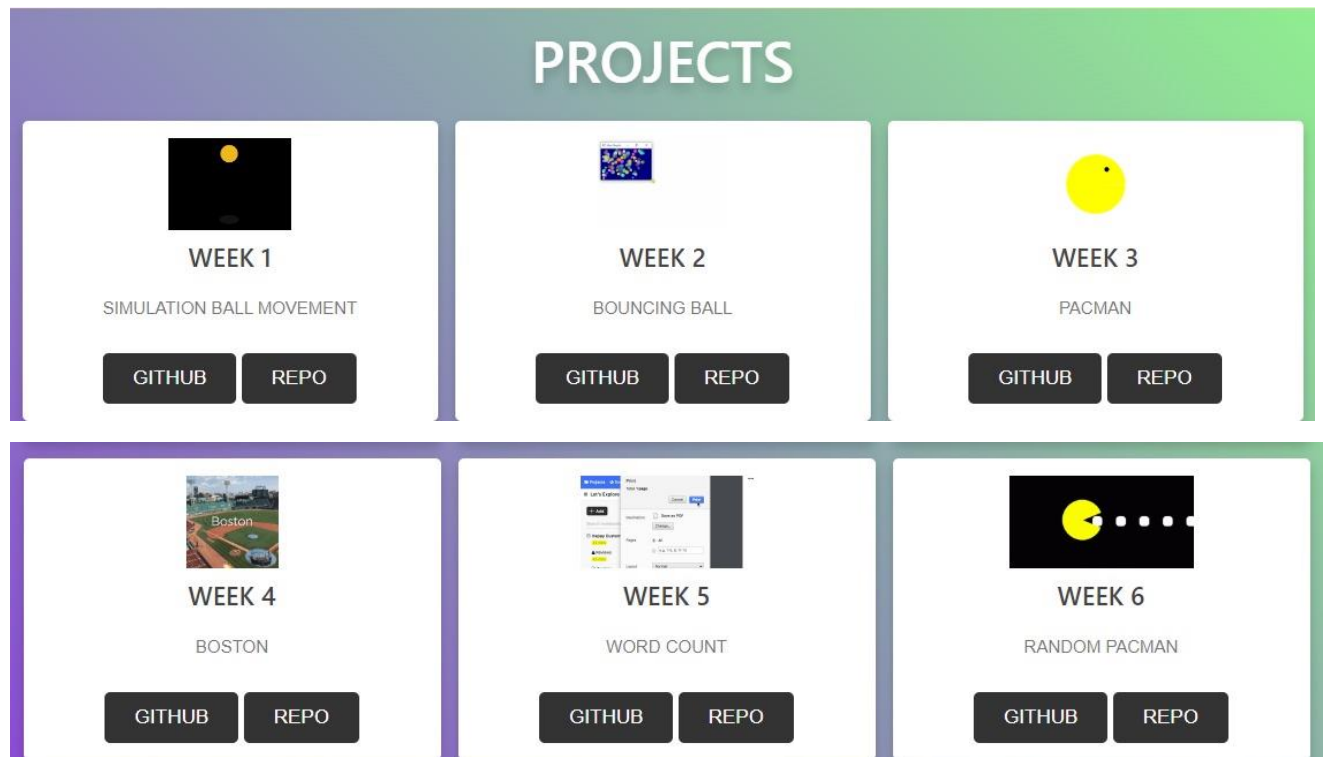
WEEK 7	**WEEK 8**	**WEEK 9**
EYE-BALL MOVING	ROUTE MAP	TOWERS OF HANOI
GITHUB REPO	GITHUB GITHUB	GITHUB REPO

Chapter 5:

Website include the following Information

5.1 project links to GitHub:

Project-1

Title: **SIMULATION BALL MOVEMENT**

Link: https://lavanyamca23.github.io/Ball-Direction/

➢ Project Description:

This HTML page displays a continuous bouncing red ball animation within a rectangular area,

controlled by JavaScript using the setInterval function with a 500-millisecond interval.

PROJECT-2

Title: **BOUNCING BALL**

Link: https://lavanyamca23.github.io/Container/

➢ Project Description:

Elevate the animation by enabling user input for modifying the ball's movement, incorporating elements like

keyboard and mouse controls, as well as introducing obstacles or targets to enhance interactivity.

PROJECT 3

Title: **PACMAN**

Link: https://lavanyamca23.github.io/Pacman_Moving/

➢ Project Description:

This HTML page features a Pac-Man animation moving horizontally within a container, controlled by JavaS-

cript for direction, mouth animation, and boundary reversal, with a continuous animation loop triggered by

setInterval every 100 milliseconds.

PROJECT-4

Title: **BOSTON**

Link: https://lavanyamca23.github.io/BOSTON/

➢ Project Description:

This   JavaScript program retrieves and displays information about the top five earning employ-

ees in Boston, providing key details for each employee.

PROJECT-5

Title: **WORD COUNT**

Link: https://lavanyamca23.github.io/Word_Count/

➢ **Project Description:**

This HTML document displays the top 3 most frequently occurring words from a provided paragraph after removing punctuation and converting all text to lowercase.

PROJECT-6

Title: **RANDOM PACMAN**

Link: https://lavanyamca23.github.io/Pacman_Game/

➢ **Project Description:**

The HTML document creates a basic Pac-Man game with randomly generated Pac-Man characters that bounce off the container's boundaries and change mouth states while moving.

PROJECT-7

Title: **EYE-BALL MOVING**

Link: https://lavanyamca23.github.io/EyeBall_movement/

➢ **Project Description:**

The HTML document creates a basic Pac-Man game with randomly generated Pac-Man characters that bounce off the container's boundaries and change mouth states while moving.

PROJECT-8

Title: **ROUTE MAP**

Link: https://lavanyamca23.github.io/Maping/

➢ **Project Description:**

This HTML document displays a map using Mapbox and a button to animate a marker's movement along predefined bus stops between Gandhipuram and Sulur.

PROJECT-9

Title: **TOWERS OF HANOI**

Link: https://lavanyamca23.github.io/Pacman_Game/

➢ **Project Description:**

The Tower of Hanoi is a classic puzzle where the objective is to move a stack of disks from one peg to another

<div align="center">

Chapter 6:

Bootstrap

</div>

6.1 Uses of Bootstrap

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awe-
some.min.css">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet" integ-
rity="sha384-rbsA2VBKQhggwzx`H7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2Kadq2F9CUG65"
crossorigin="anonymous">
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css"
integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNH-
SoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN" crossorigin="anonymous">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-
kenU1KFdBIe4zVF0s0G1M5b4hcpxyD9F7jL+jjXkk+Q2h455rYXK/7HAuoJl+0I4" crossorigin="anony-
mous"></script>
```

Description:

I have used bootstrap in this website. Which was a built in CSS file, so we can use it to reduce our time and also it carries a (N) number of designs. So, I had linked them to the code in
HTML.

Chapter 7:
Project README

README.md 🖉

SIMULATION BALL MOVEMENT

Description:

This HTML page displays a continuous bouncing red ball animation within a rectangular area, controlled by JavaScript using the setInterval function with a 500-millisecond interval.

How to run the code:

Step 1: Save the HTML file with a .html extension.

Step 2: Install the Live Server extension in Visual Studio Code, then click the "Go Live" button at the bottom right corner of the VSCode window to open a new browser window displaying the ball-moving animation.

Future improvement:

consider adding user interaction features like mouse or keyboard control to change the ball's direction or speed, or adding obstacles or targets for the ball to interact with, creating a more engaging and interactive animation.

README.md 🖉

BOUNCING BALL

Description:

Elevate the animation by enabling user input for modifying the ball's movement, incorporating elements like keyboard and mouse controls, as well as introducing obstacles or targets to enhance interactivity.

How to run the code:

Step1:Save the HTML file with a .html extension.

Step2:Click the "Go Live" button to open a new browser window displaying the Bouncing_Ball animation.

Future improvement:

consider integrating user interaction like click-and-drag functionality, customizable ball properties, and physics-based interactions, such as ball collisions, for a more engaging and interactive animation.

README.md   ✏

PACMAN

This HTML page features a Pac-Man animation moving horizontally within a container, controlled by JavaScript for direction, mouth animation, and boundary reversal, with a continuous animation loop triggered by setInterval every 100 milliseconds.

How to run the code:

step1:Save the HTML file with .html extension.

step2:Click the "Go Live" button.A new browser window will open, displaying Pacman animation.

Future Improvemennt:

consider adding obstacles or interactive elements within the container for Pac-Man to interact with, adding sound effects, or incorporating user controls for changing Pac-Man's direction and speed,enhancing the overall user experience.

README.md   ✏

BOSTON

Description:

This JavaScript program retrieves and displays information about the top five earning employees in Boston, providing key details for each employee.

How to run the code:

step1:Save the HTML file with .html extension.

step2:Click the "Go Live" button.A new browser window will open, displaying Boston data.

Future Enhancement:

Implementing a search or filter feature to allow users to specify custom criteria for identifying top earners within a larger dataset.

README.md   ✎

WORD COUNT

Description:

This HTML document displays the top 3 most frequently occurring words from a provided paragraph after removing punctuation and converting all text to lowercase.

How to run the code:

step1:Save the HTML file with .html extension.

step2:Click the "Go Live" button.A new browser window will open, displaying top 3 words.

Future Enhancements:

Implementing user interactivity to allow dynamic paragraph input. Adding the ability to customize the number of top words displayed.

README.md   ✎

EYE-BALL MOVING

Description:

This HTML document creates a simple interactive face with moving eyes that follow the user's mouse cursor. The face consists of a yellow circle with two eyes, and the eyes' black pupils follow the mouse movement.

How to run the code:

step1:Save the HTML file with .html extension.

step2:Click the "Go Live" button.A new browser window will open, displaying EyeBall moving.

Future Enhancement:

1)Add facial expressions or animations to make the interactive face more engaging.

2)Implement user interaction, such as clicking on the eyes to trigger actions or reactions.

README.md

ROUTE MAP

Description:

This HTML document displays a map using Mapbox and a button to animate a marker's movement along predefined bus stops between Gandhipuram and Sulur.

How to run the code:

step1:Save the HTML file with .html extension.

step2:Click the "Go Live" button.A new browser window will open, displaying map moving from one place to another place.

Future Enhancement:

1)Display real-time bus location data on the map for a more practical application.

2)Add interactive features like bus stop information on click or route selection options.

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🗋 LICENSE	Create LICENSE	2 hours ago
🗋 README.md	Update README.md	5 days ago
🗋 hanoi.js	Create hanoi.js	5 days ago
🗋 index.html	Create index.html	5 days ago
🗋 style.css	Create style.css	5 days ago
🗋 tower.js	Create tower.js	5 days ago

Description:

The above figures are the screenshot of project README files (Description, steps to run, future improvement) in a desktop view.

`

Chapter 8:

File Structure

8.1 GitHub File Structure

Pacman_Moving Public

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BOSTON Public

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Word_Count `Public`

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Pacman_Game `Public`

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EyeBall_movement (Public)

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Maping (Public)

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De-scription:

This above Figures shows GitHub File Structure in desktop view.