



INFORMATICS
INSTITUTE OF
TECHNOLOGY

Informatics Institute of Technology Department of Computing

Bsc(Hons) Artificial Intelligence and Data Science

Module: CM1605 Web Technology

Module Coordinator: Ms. Janani Harischandra

Group Coursework Report

Tutorial Group : B

Coursework Group No : 6

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1. Introduction

Student 01

Name : B.G.C. Gomes

IIT ID : 20220578

RGU ID : 2313082

Student role :

Student 1's part is to create a presentation page that included group members' names and a 5-second display time, followed by the main webpage. Additionally, a signup page collects user information for customized movie recommendations based on things such as movie category, type, and mood. JavaScript checks required fields and displays a popup notification after successful submission. A gallery page displays five thumbnails and one full image with captions. All pages include a title logo, and a "Editor's Page" gives editor information and unique identities.

Student 02

Name : R.V. Wellalage

IIT ID : 20220577

RGU ID : 2313077

Student role :

As Student 2, you design the main page, which includes hover-effect links, a video, and a consistent style utilising an external style sheet. Create a form with JavaScript validation for user comments and ratings, as well as a JavaScript quiz to boost user involvement. Every page has a title logo and a link to the page editor.

Student 03

Name : R.V. Wellalage

IIT ID : 20220577

RGU ID : 2313077

Student role :

As Student 3, you design a product page that includes JavaScript validation for user information and item selection. Use buttons to control font size. Include four member photos with details displayed on hover on the About Us page, displaying names and roles in the coursework

Student 04

Name : Pasindu Dilshan

IIT ID : 20221145

RGU ID : 2313320

Student role :

As Student 4, you design a favourite list page using AI-generated user behaviour data. Create a well-formed XML file to hold this data and display it with JavaScript and CSS. Create a signup form with required fields for a personalised newsletter subscription, as well as JavaScript validation for a valid email address.

2. Research on existing systems

A movie recommendation system uses technology to suggest films based on user interests, with the goal of providing personalised options and improving the user's movie-watching experience. The technology proposes appropriate films based on user data and trends to keep users engaged and interested in the platform.

Netflix

Netflix is a prominent streaming service with substantial material, including original productions, that is available on numerous devices.

- Netflix makes personalised movie and TV show recommendations using advanced recommendation algorithms.
- Provides a diverse range of entertainment, including films, television shows, documentaries, and original productions.
- Allows you to download specific titles for offline watching, which is handy for folks who have limited internet access.
- Multiple user profiles are supported for personalised watch histories and suggestions.
- A kids' profile with age-appropriate content and a child-friendly browsing experience is provided.

Netflix's broad content selection, personalized recommendations, offline viewing, and kid-friendly accounts cater to diverse users, enhancing convenience and entertainment value.

Amazon Prime Video

Amazon Prime Video offers a diverse range of films, TV series, and original content in its subscription-based streaming service, with high-quality on-demand streaming and additional Amazon Prime benefits.

- Prime Video supports numerous user profiles inside a single account, allowing for the sharing of watchlists and suggestions.
- Alexa integration offers voice commands for playback control and content search.
- Amazon Channels allows customers to subscribe to premium channels such as HBO, Showtime, and others for additional entertainment possibilities.
- Like Netflix, Prime Video allows you to download specific titles for offline viewing.
- Amazon Family provides kid-friendly accounts, parental settings, and age-appropriate content.

Amazon Prime Video's unique features, including Amazon Originals, parental controls, Watch Party, and downloads, cater to diverse user needs.

3. Technical Discussion

Student 1

The role is required to create a presentation page with the group's name and title. The main web page should appear five seconds after the presentation page.

Source Code - HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="refresh" content="05; URL='MAIN_PAGE.html'">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title> Presentation slide</title>
    <link rel="stylesheet" href="../main/assets/css/stylefirst.css"/>
</head>

<body>

    <div id="container">
        <h3> STUDENT - 01 </h3><br>
        <p>
            Name : Gawesh Gomes <br><br>
            IIT NO : 20220578 <br><br>
            RGU NO : 2313082
        </p>
    </div>
    <button id="btn"> STUDENT 01 </button><br><br>
    <script>
        const btn = document.querySelector("#btn");
        const container = document.querySelector("#container");

        btn.addEventListener("click", function(){
            if(container.style.display === "block") {
                container.style.display = "none";
            } else{
                container.style.display = "block";
            }
        });
    </script>

    <div id="container1">
```

Figure 1

```

<h3> STUDENT - 02 </h3><br>
<p>
    Name : Ravindu Wellalage<br><br>
    IIT NO : 20220578 <br><br>
    RGU NO : 2313077
</p>
</div>
<button id="btn1"> STUDENT 02 </button><br><br>
<script>
    const btn1 = document.querySelector("#btn1");
    const container1 = document.querySelector("#container1");

    btn1.addEventListener("click", function(){
        if(container1.style.display === "block") {
            container1.style.display = "none";
        } else{
            container1.style.display = "block";
        }
    });
</script>

<div id="container2">
    <h3> STUDENT - 03 </h3><br>
    <p>
        Name : Lahiru <br><br>
        IIT NO : 20210576 <br><br>
        RGU NO : 2118687
    </p>
</div>
<button id="btn2"> STUDENT 03 </button><br><br>

<script>
    const btn2 = document.querySelector("#btn2");
    const container2 = document.querySelector("#container2");

    btn2.addEventListener("click", function(){
        if(container2.style.display === "block") {
            container2.style.display = "none";
        } else{
            container2.style.display = "block";
        }
    });
</script>

<div id="container3">

```

Figure 2

```

        <h3> STUDENT - 04 </h3><br>
        <p>
            Name : Pasindu Dilshan <br><br>
            IIT NO. : 20221145 <br><br>
            RGU NO. : 23133320
        </p>
    </div>
    <button id="btn3"> STUDENT 04 </button><br>
    <script>
        const btn3 = document.querySelector("#btn3");
        const container3 = document.querySelector("#container3");

        btn3.addEventListener("click", function(){
            if(container3.style.display === "block") {
                container3.style.display = "none";
            } else{
                container3.style.display = "block";
            }
        });
    </script>
    <footer>
        <p class="link"> Go to the editor's page <a href="editor.html"> Click here </a></p>
    </footer>

</body>
</html>

```

Figure 3

Source code – CSS

```

.container {
    width: 900px;
    background: #fff;
    margin: 0 auto;
    box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);
    -moz-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);
    -webkit-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);
    -o-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);
    -ms-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);
    border-radius: 20px;
    -moz-border-radius: 20px;
    -webkit-border-radius: 20px;
    -o-border-radius: 20px;
    -ms-border-radius: 20px; }

```

Figure 4

Result

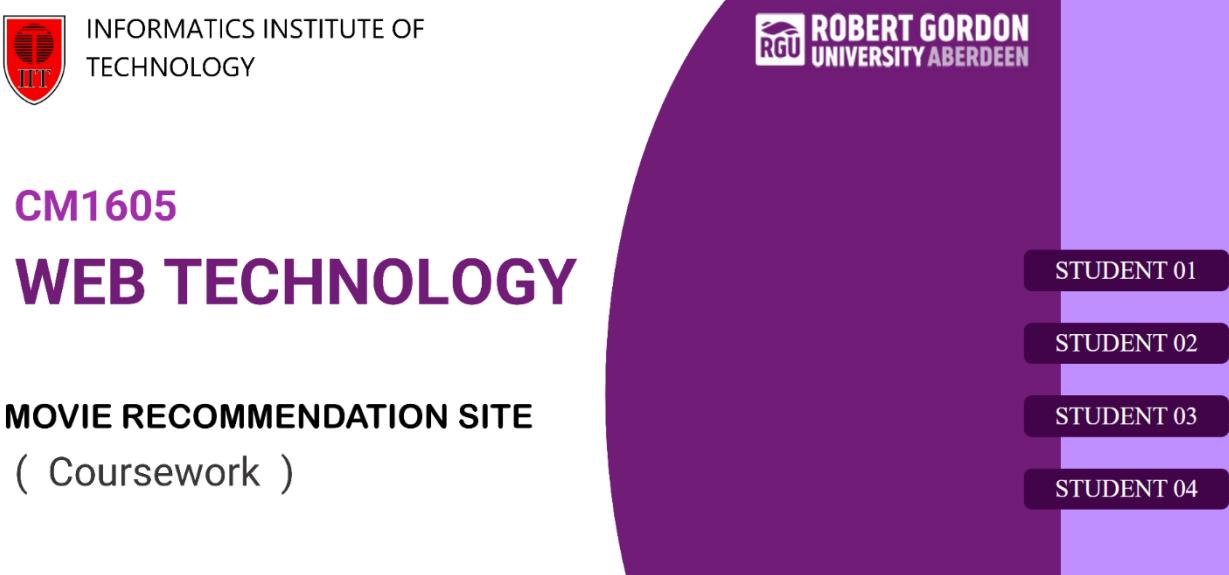


Figure 5

In Student 1's role, create a signup page with personal details (name, age, gender, occupation, email) for generating personalized results based on the chosen website topic. Include at least three compulsory criteria (movie category, movie type, user's current mood) using JavaScript validation for required fields. Display an alert for successful submissions.

Source Code – HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Sign Up Form by Cinema Hive</title>

    <!-- Font Icon -->
    <link rel="stylesheet" href="fonts/material-icon/css/material-design-iconic-
font.min.css">

    <!-- Main CSS -->
    <link rel="stylesheet" href="css/style.css">
```

Figure 6Figure 7

```

<style>
    img {
        width: 300px;
        height: 350px;
        padding: 0px;
        background-color: coral;
        box-shadow: 10px 10px 10px gray;
    }
</style>
<script>
    function recommendMovie() {
        var category = document.getElementById("category").value;
        var type = document.getElementById("type").value;
        var mood = document.getElementById("mood").value;

        // Recommendations based on selected options
        var recommendations = {
            action_kollywood_happy: "<img src='chennai_ex.jpg'>",
            comedy_kollywood_happy: "<img src='kollywood_comedy.jpg'>",
            // Add more recommendations based on different combinations of options
            // Example: comedy_hollywood_sad, science_fiction_hollywood_neutral,
etc.
        };
        // Generate recommendation key based on selected options
        var recommendationKey = category + "_" + type + "_" + mood;

        // Get the recommendation based on the key
        var recommendation = recommendations[recommendationKey];

        if (recommendation) {
            // Display the recommendation
            document.getElementById("recommendation").innerHTML = recommendation;
        } else {
            // No recommendation available for the selected options
            document.getElementById("recommendation").innerHTML = "No movie
recommendation available for the selected options.";
        }
    }
</script>
<script>
    function validatefields() {
        var name = document.getElementById("name").value;
        var age = document.getElementById("age").value;

```

Figure 8

```

var gender = document.getElementById("gender").value;
var email = document.getElementById("email").value;
var password = document.getElementById("password").value;
var confirmPassword = document.getElementById("confirm-password").value;
var occupation = document.getElementById("occupation").value;

if (name === "") {
    alert("Name must be filled out");
    return false;
} else if (age === "") {
    alert("Age must be filled out");
    return false;
} else if (gender === "") {
    alert("Gender must be filled out");
    return false;
} else if (email === "") {
    alert("Email must be filled out");
    return false;
} else if (password === "") {
    alert("Password must be filled out");
    return false;
} else if (confirmPassword === "") {
    alert("Confirm Password must be filled out");
    return false;
} else if (occupation === "") {
    alert("Occupation must be filled out");
    return false;
}
else if(password != confirmPassword){
    alert("You have entered two different passwords");
    return false;
}
else {
    alert("Dear " + name + ", Thank you for using CinemaHive. The
recommended results will be shown shortly.");
    return true;
}
}
</script>
</head>
<body>
<div class="main">
    <!-- Sign up form -->
    <section class="signup">
        <div class="container">

```

Figure 9

```

<div class="signup-content">
    <div class="signup-form">
        <h2 class="form-title">Sign up</h2>
        <form method="POST" class="register-form" id="register-form"
action="" name="feedback" onsubmit="return validatefields();">
            <div class="form-group">
                <label for="name"><i class="zmdi zmdi-account material-icons-
age"></i></label>
                <input type="text" name="name" id="name" placeholder="Your Name"
value="" />
            </div>
            <div class="form-group">
                <label for="age"><i class="zmdi zmdi-account material-icons-
age"></i></label>
                <input type="date" name="age" id="age" placeholder="Your Age"
value="" />
            </div>
            <div class="form-group">
                <label for="gender"><i class="zmdi zmdi-account material-icons-
age"></i></label>
                <input type="text" name="gender" id="gender" placeholder="Your
Gender (Male / Female)" value="" />
            </div>
            <div class="form-group">
                <label for="email"><i class="zmdi zmdi-email"></i></label>
                <input type="text" name="email" id="email" placeholder="Your
Email" />
            </div>
            <div class="form-group">
                <label for="password"><i class="zmdi zmdi-lock"></i></label>
                <input type="password" name="password" id="password"
placeholder="Password" />
            </div>
            <div class="form-group">
                <label for="confirm-password"><i class="zmdi zmdi-lock-
outline"></i></label>
                <input type="password" name="confirm-password" id="confirm-
password" placeholder="Repeat your password" />
            </div>
            <div class="form-group">
                <label for="occupation"><i class="zmdi zmdi-account material-
icons-Occupation"></i></label>
                <input type="text" name="occupation" id="occupation"
placeholder="Occupation" />
            </div>

```

Figure 10

Figure 11

Figure 12

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

Figure 13

Source Code – CSS

```
.form-group {  
    position: relative;  
    margin-bottom: 25px;  
    overflow: hidden;  
    <form-group>:last-child {  
        margin-bottom: 0px;  
    }
```

```
.form-button {  
    text-align: center;  
  
.signin-form {  
    order: 1;  
    -moz-order: 1;  
    -webkit-order: 1;  
    -o-order: 1;  
    -ms-order: 1;  
    margin-right: 0px;  
    margin-left: 0px;  
    padding: 0 30px; }  
}
```

```
.form-submit {  
    display: inline-block;  
    background: #e0e0e0;  
    color: #fff;  
    border-bottom: none;  
    width: auto;  
    padding: 15px 30px;  
    border-radius: 5px;  
    -moz-border-radius: 5px;  
    -webkit-border-radius: 5px;  
    -o-border-radius: 5px;  
    -ms-border-radius: 5px;  
    margin-top: 25px;  
    cursor: pointer;  
    <form>.submit: hover {  
        background: #4292dc; }  
}
```

```
.form-title {  
    text-align: center; }  
@media screen and (max-width: 400px) {  
}
```

Figure 14

```
.social-login {  
    flex-direction: column;  
    -moz-flex-direction: column;  
    -webkit-flex-direction: column;  
    -o-flex-direction: column;  
    -ms-flex-direction: column; }  
  
.social-label {  
    margin-right: 0px;  
    margin-bottom: 10px; }  
  
-signin-image {  
    margin-left: 110px;  
    margin-right: 28px;  
    margin-top: 10px; }  
  
-signin-content {  
    padding-top: 67px;  
    padding-bottom: 87px; }
```

Figure 15

Result

Sign up

• Your Name _____

• mm/dd/yyyy _____

• Your Gender (Male / Female) _____

• Your Email _____

• Password _____

• Repeat your password _____

• Occupation _____

Sign up



[I am already a member](#)

Figure 17

Sign Up Form by Cinema Hive

← → C File | C:/Users/gawesh/Desktop/web_technology_cw/web_technology_cw/Signup%20page/SIGNUP_PAGE.html

(PDF) The Past, Pres... | Top 5 Outsourcing... | Information System... | Free Log...

Sign up

• Gawesh _____

• 09/16/2005 _____

• Male _____

• gawesh.20220570@lit.ac.lk _____

• _____

• _____

• Student _____

Sign up

This page says

Dear Gawesh, Thank you for using CinemaHive. The recommended results will be shown shortly.

OK

A screenshot of a web browser showing a sign-up form for 'Cinema Hive'. The form includes fields for name, date of birth, gender, email, and occupation. Below the form is a blue 'Sign up' button. A red box highlights a success message: 'This page says Dear Gawesh, Thank you for using CinemaHive. The recommended results will be shown shortly.' with an 'OK' button. The browser's address bar shows the file path: 'C:/Users/gawesh/Desktop/web_technology_cw/web_technology_cw/Signup%20page/SIGNUP_PAGE.html'.

Figure 16

Preferences



Movie Category:

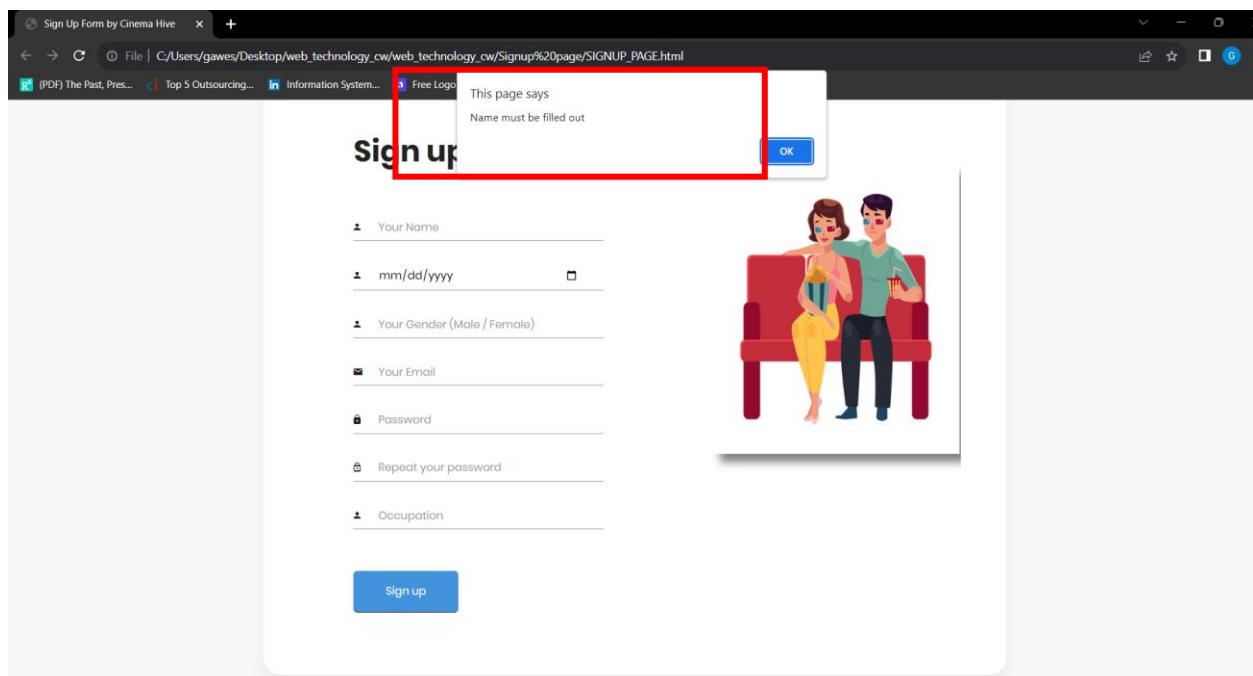
Movie Type:

Your Mood:

Or login with   

Figure 18

One of the Java Script Result



The screenshot shows a web browser window with the title "Sign Up Form by Cinema Hive". The address bar indicates the file path: "C:/Users/gawes/Desktop/web_technology_cw/web_technology_cw/Signup%20page/SIGNUP_PAGE.html". The main content area contains a "Sign up" button, several input fields for "Your Name", "mm/dd/yyyy", "Your Gender (Male / Female)", "Your Email", "Password", "Repeat your password", and "Occupation", and a "Sign up" button at the bottom. To the right of the form is an illustration of a man and a woman sitting on a red couch. A red rectangular box highlights a JavaScript alert dialog box that says "This page says Name must be filled out". The browser interface includes standard navigation buttons (back, forward, search) and a toolbar with icons for PDF, Top 5 Outsourcing..., Information System..., and Free Logo.

Figure 19

Student 1's responsibility involve creating a gallery page with 5 thumbnails for viewing images. When you click on a thumbnail, a larger image with a caption appears. Every page has a link to the page editor as well as a title logo. An

"Editor's Page" provides information on the editors.

Source code – HTML

```
<!DOCTYPE html>
<html lang="en">

    <head>

        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
        <meta name="description" content="">
        <meta name="author" content="TemplateMo">
        <link href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,500,600,700,800,900" rel="stylesheet">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <link rel="stylesheet" href="./assets/css/homePage.css">

    <title>Gallery Page</title>

    <link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">

    <!-- Additional CSS Files -->
    <link rel="stylesheet" href="assets/css/fontawesome.css">
    <link rel="stylesheet" href="assets/css/templatemo-edu-meeting.css">
    <link rel="stylesheet" href="assets/css/owl.css">
    <link rel="stylesheet" href="assets/css/lightbox.css">

    <style>

        body{
            background-image: url(assets/images/meetings-page-bg.jpg);
        }

    </style>
```

Figure 20

```

    }

    p{
        color: #0070C0;
    }

```

</style>

</head>

<body>

<!-- ***** Header Area Start ***** -->

<header class="header-area header-sticky">

<div class="container">

<div class="row">

<div class="col-12">

<nav class="main-nav">

<!-- ***** Logo Start ***** -->

Cinemahive

<!-- ***** Logo End ***** -->

<!-- ***** Menu Start ***** -->

<ul class="nav">

<li class="scroll-to-section">Home

<li class="scroll-to-section">Gallery

<li class="scroll-to-section">Products

<li class="scroll-to-section">About Us

<li class="scroll-to-section">Favourites

<li class="scroll-to-section">Sign Up

Figure 21

```

        <span>Menu</span>
    </a>
    **** Menu End ***** -->
</nav>
</div>
</div>
</div>
</header>

<section class="contact-us" id="contact">

<div class="body">

<div class="row">
    <div class="col">
        <h1 class="head">&ampnbsp&ampnbsp&ampnbspGALLERY</h1>
    </div>
    <div class="col">
        <div class="card-1">
            <h2 class="h2">ACTION</h2>

            <a href="Action Page.html" target="_self"><center>Click
Here...</center></a>
        </div>

        <div class="card-1">
            <h2 class="h2">ROMANTIC</h2>

            <a href="Romantic Page.html" target="_self"><center>Click
Here...</center></a>
        </div>

        <div class="card-1">
            <h2 class="h2">COMEDY</h2>

            <a href="Comedy Page.html" target="_self"><center>Click
Here...</center></a>
        </div>
    </div>
</div>

```

Figure 22

```

<div class="card-1">
    <h2 class="h2">HORROR</h2>

    <a href="Horror Page.html" target="_self"><center>Click
    Here...</center></a>
</div>
<div class="card-1">
    <h2 class="h2">SCI - FY</h2>

    <a href="" target="_self"><center>Click Here...</center></a>
</div>
</div>
</div>

<div class="footer">

    <a href="" target="_parent" >EDITOR'S PAGE</a></p>
</div>
</section>

Scripts -->

<script src="vendor/jquery/jquery.min.js"></script>
<script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

<script src="assets/js/isotope.min.js"></script>
<script src="assets/js/owl-carousel.js"></script>
<script src="assets/js/lightbox.js"></script>
<script src="assets/js/tabs.js"></script>
<script src="assets/js/video.js"></script>
<script src="assets/js/slick-slider.js"></script>
<script src="assets/js/custom.js"></script>
<script>

</script>
</body>

</body>
</html>

```

Figure 23

Source Code – CSS

```
h2 {  
    line-height: 1.66;  
    margin: 0;  
    padding: 0;  
    font-weight: bold;  
    color: #000;  
    font-family: Poppins;  
    font-size: 36px; }  
  
body {  
    font-size: 13px;  
    line-height: 1.8;  
    color: #000;  
    background: #e0f8ff;  
    font-weight: 400;  
    font-family: Poppins; }
```

Figure 24

Result

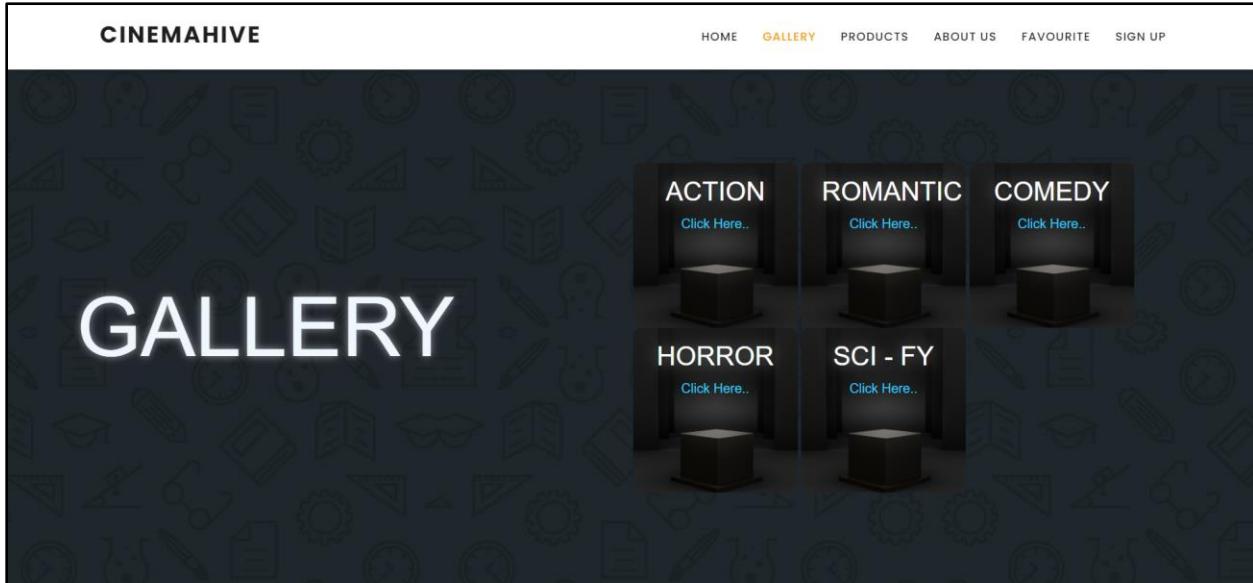


Figure 25

Also there are specific web pages that link to thumbnails that are named “Action, Romantic, Comedy, Horror and SCI – FY” There is one web page’s HTML and CSS codes and Images of the web page named as “Horror” like mentioned in above.

```

<!DOCTYPE html>
<html lang="en">

    <head>

        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
        <meta name="description" content="">
        <meta name="author" content="TemplateMo">
        <link href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,500,600,700,800,900" rel="stylesheet">

        <title>Horror Movies</title>

        <link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">

Additional CSS Files -->
        <link rel="stylesheet" href="assets/css/fontawesome.css">
        <link rel="stylesheet" href="assets/css/templatemo-edu-meeting.css">
        <link rel="stylesheet" href="assets/css/owl.css">
        <link rel="stylesheet" href="assets/css/lightbox.css">

        <style>

            body{
                background-image: url(assets/images/meetings-page-bg.jpg);
            }

            p{
                color: #007bff;
            }

            .justified{
                text-align: justify;
                color: white;
                font-size: 18px;
            }

        </style>
    
```

Figure 26

```

        }
    </style>

</head>

<body>

<!-- ***** Header Area Start ***** -->
<header class="header-area header-sticky">
    <div class="container">
        <div class="row">
            <div class="col-12">
                <nav class="main-nav">
                    <!-- ***** Logo Start ***** -->
                    <a href="index.html" class="logo">
                        Horror
                    </a>
                    <!-- ***** Logo End ***** -->
                    <!-- ***** Menu Start ***** -->
                    <ul class="nav">
                        <li class="scroll-to-section"><a href="/main/MAIN_PAGE.html">Home</a></li>
                        <li class="scroll-to-section" class="active">
                            <a href="/Gallery page/gallery.html">Gallery</a>
                        </li>
                        <li class="scroll-to-section"><a href="">Products</a></li>
                        <li class="scroll-to-section"><a href="">About Us</a></li>
                        <li class="scroll-to-section"><a href="">Favourites</a></li>
                        <li class="scroll-to-section"><a href="/Signup page/SIGNUP_PAGE.html">Sign Up</a></li>
                    </ul>
                    <a class='menu-trigger'>

```

Figure 27

```

        <span>Menu</span>
    </a>
<!-- ***** Menu End ***** -->
</nav>
</div>
</div>
</div>

<section class="contact-us" id="contact">

    <table align="center" cellpadding="100" >
        <tr>
            <td>
                <p class="justified">Horror movies are a genre of film that aim to
                evoke feelings of fear, suspense, and terror in viewers. They often revolve
                around themes of the supernatural, psychological disturbance, violence, or the
                unknown. Horror films employ various techniques such as suspenseful music,
                atmospheric settings, jump scares, and disturbing imagery to create a sense of
                unease and keep audiences on the edge of their seats. Common subgenres within
                horror include slasher films, supernatural horror, psychological horror, and
                creature features. Horror movies provide a thrilling and adrenaline-filled
                experience, appealing to those who enjoy the thrill of being scared and exploring
                the darker aspects of human nature and the supernatural realm.
            </p>
            </td>
        </tr>
    </table>

    <style>
        body {
            border: none; /* Remove default border */
            border-top: 2px solid red; /* Set the desired color and
thickness */
            margin: 10px 0; /* Add margin for spacing */
        }
    </style>

```

Figure 28

```

<tr>
    <td>

        <div class="container">
            
            <div class="overlay">
                <div class="text"><center><h4><font color="white"><b>Evil Dead Rise</font></h4><br> <p><font color="white" size="2">"Evil Dead Rise" is an upcoming<br> horror film and the latest<br> installment in the "Evil Dead" <br>franchise. In this new chapter, <br>the story departs from the <br>traditional cabin-in-the-woods<br> setting and takes place in a <br>bustling city.</font></p></center></div>
            </div>
        </div>
        <td>

        <div class="container">
            
            <div class="overlay">
                <div class="text"><center><h4><font color="white"><b>Hospital</font></h4><br> <p><font color="white" size="2">"Hospital" is a suspenseful thriller<br> that takes place within the eerie<br> and unsettling confines of a haunted<br> hospital. The film follows a group<br> of individuals, including doctors,<br> nurses, and patients, who find themselves <br>trapped within the walls of the <br>hospital, with no means of escape.</font></p></center></div>
            </div>
        </div>
        <td>

        <div class="container">
            
            <div class="overlay">
                <div class="text"><center><h4><font color="white"><b>House of Wax</font></h4><br> <p><font color="white" size="2">"House of Wax" is a horror

```

Figure 29

```

film<br> that revolves around a group of<br> friends who stumble upon a<br>
seemingly abandoned small town.<br> They soon discover that the town's<br> main
attraction is a sinister wax <br>museum, where the exhibits are <br>shockingly
lifelike.</font></p></center></div>
    </div>
</div>
</td>
</tr>
<tr>
<td>

<div class="container">
    
    <div class="overlay">
        <div class="text"><center><h4><font
color="white"><br>Dead</font></h4><br> <p><font color="white" size="2">"Dead" is
a thrilling zombie apocalypse<br> movie that takes place in a world overrun
<br>by the undead. The story follows a <br>group of survivors who band together
to <br>navigate the post-apocalyptic landscape and<br> fend off hordes of
ravenous zombies.</font></p></center></div>
    </div>
    </div>
</td>
<td>

<div class="container">
    
    <div class="overlay">
        <div class="text"><center><h4><font color="white"><br>Fear
Challenge</font></h4><br> <p><font color="white" size="2">"Fear Challenge" is a
thrilling horror<br> film that takes viewers on a terrifying<br> journey into the
unknown. Set in a<br> desolate town, a group of friends stumble<br> upon an
abandoned mansion rumored to be<br> haunted. Eager to test their
courage.</font></p></center></div>
    </div>
    </div>
</td>
<td>

<div class="container">

```

Figure 30

```


    <div class="overlay">
        <div class="text"><center><h4><font color="white"><b>Devil
Conspiracy</b></h4><b> <p><font color="white" size="2">"Devil Conspiracy" is
a gripping <b>thriller that delves into a web of<b> deceit, manipulation,
and<b> supernatural elements. The story<b> revolves around a tenacious
journalist<b> who stumbles upon a mysterious and<b> far-reaching conspiracy
involving <b>powerful individuals and occult
practices..</font></p></center></div>
    </div>
</div>
</td>
</tr>

</table>

<div class="footer">

    <a href="" target="_parent" >EDITOR'S PAGE</a></p>
</div>
</section>

Scripts -->

<script src="vendor/jquery/jquery.min.js"></script>
<script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

<script src="assets/js/isotope.min.js"></script>
<script src="assets/js/owl-carousel.js"></script>
<script src="assets/js/lightbox.js"></script>
<script src="assets/js/tabs.js"></script>
<script src="assets/js/video.js"></script>
<script src="assets/js/slick-slider.js"></script>
<script src="assets/js/custom.js"></script>
<script>

    </script>
</body>

</html>

```

Figure 31

Result

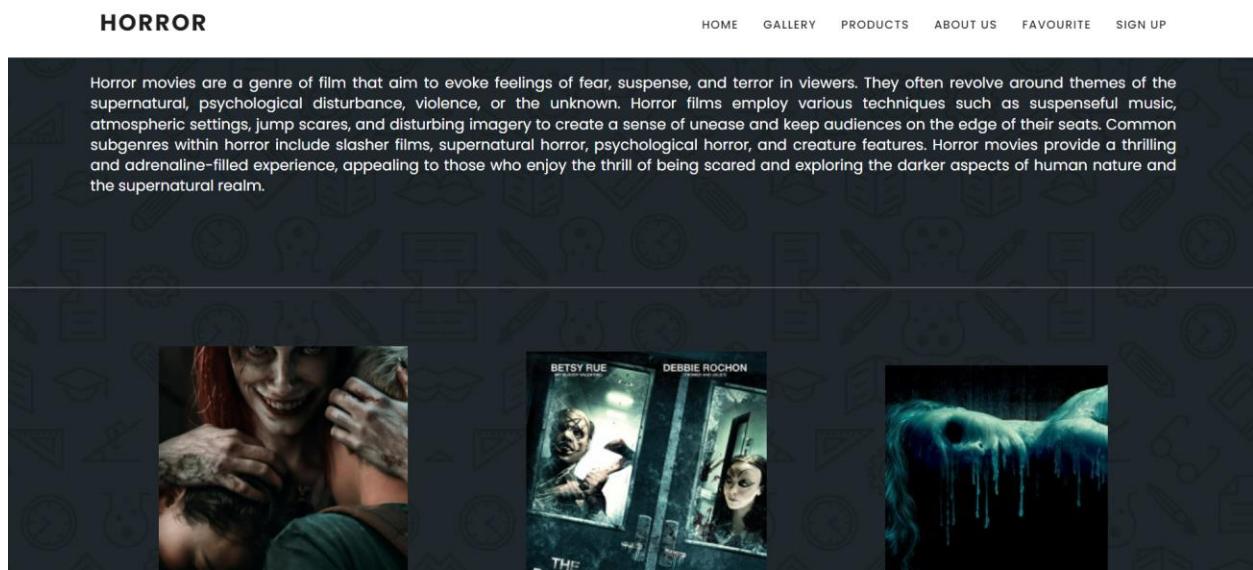


Figure 32

Editor's Page

HTML Code

```
<section class="contact-us" id="contact">

    <div class="card">
        <div class="card-header">
            
        </div>
        <div class="card-body">
            <p class="name"><b>STUDENT - 01</b></p>
            <br>
            <p class="name"><b>Name |</b> Gawesh Gomes</p>
            <a href="#" class="name"><b>email |</b> gawesh.20220578@iit.ac.lk</b></a>
            <p class="name"><b>Age |</b> 18</p>
            <p class="name"><b>City |</b> Mount-Lavinia</p>
        </div>
    </div>
```

Figure 33

CSS Code :

```
* {  
    margin: 0px;  
    padding: 0px;  
    text-decoration: none;  
    list-style: none;  
    box-sizing: border-box;  
    font-size: 100%;  
}  
a{  
    color: □rgb(0, 0, 0);  
}  
body{  
    background-color: □#1E3A4B;  
    color: □rgb(0, 0, 0);  
}  
.card {  
    vertical-align: center;  
    max-width: 400px;  
    margin: 150px auto 0;  
    background-color: ■#fad029;  
    box-shadow: 0 10px 90px □#00000024;  
    text-align: center;  
    font-size: 20px;  
    border-radius: 15px;  
}  
.card .card-header {  
    position: relative;  
    height: 120px;  
}  
.card .card-header .profile-img {  
    width: 205px;  
    height: 210px;  
    border-radius: 1000px;  
    position: absolute;  
    left: 50%;  
    transform: translate(-50%, -50%);  
    border: 8px solid ■white;
```

Figure 34

Result :

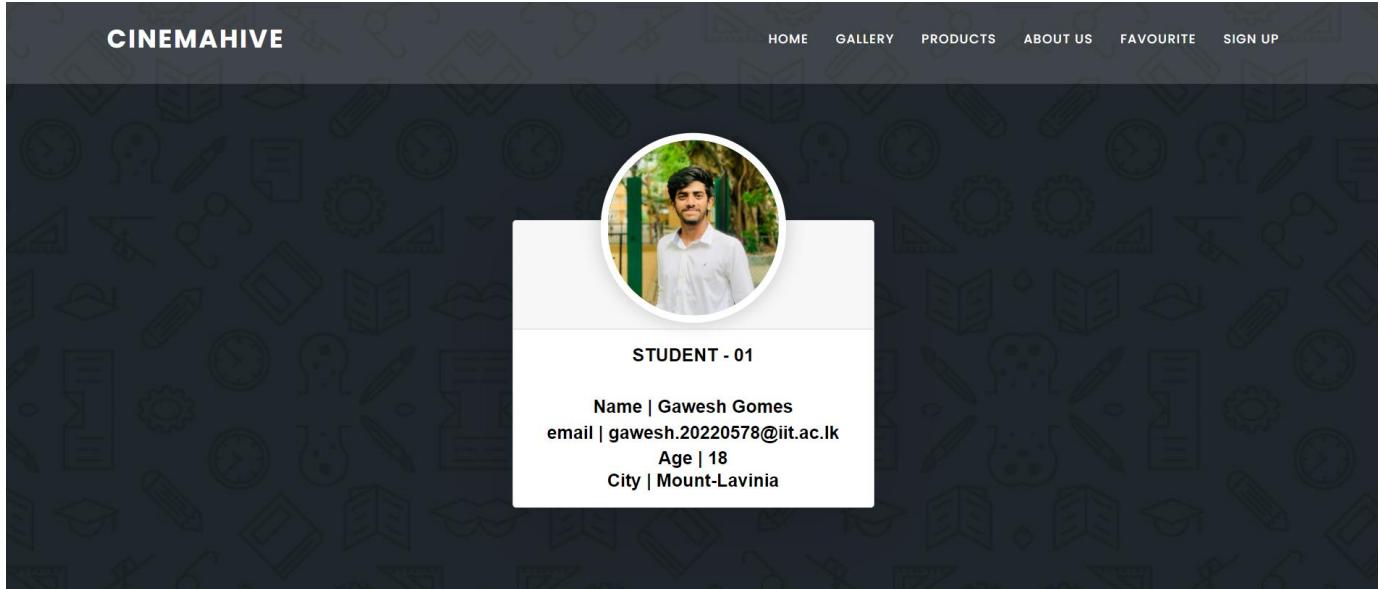


Figure 35

Student 2

The role needs to create the home page so that users can browse different website sections. The links on the home page should appear to be buttons when clicked over. To do this, CSS should be utilized.

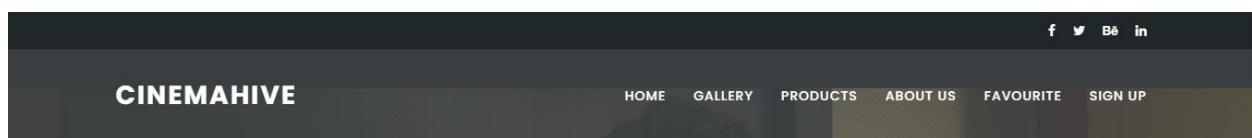


Figure 37

HTML code:

```
<header class="header-area header-sticky">
  <div class="container">
    <div class="row">
      <div class="col-12">
        <nav class="main-nav">
          <!-- ***** Logo Start ---->
          <a href="#" class="logo">
            Cinemahive
          </a>
          <!-- ***** Logo End ----->

          <!-- ***** Menu Start ----->
          <ul class="nav">
            <li class="scroll-to-section"><a href="#top" class="active">Home</a></li>
            <li class="scroll-to-section"><a href="#">Gallery</a></li>
            <li class="scroll-to-section"><a href="#">Products</a></li>
            <li class="scroll-to-section"><a href="#">About Us</a></li>
            <li class="scroll-to-section"><a href="#">Favourite</a></li>
            <li class="scroll-to-section"><a href="#">Sign Up</a></li>
          </ul>
          <a class="menu-trigger">
            <span>Menu</span>
          </a>
          <!-- ***** Menu End ----->
        </nav>
      </div>
    </div>
  </div>
</header>
```

Figure 36

CSS code:

```
.container {  
    width: 988px;  
    background: #fff;  
    margin: 0 auto;  
    box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    -moz-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    -webkit-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    -o-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    -ms-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    border-radius: 20px;  
    -moz-border-radius: 20px;  
    -webkit-border-radius: 20px;  
    -o-border-radius: 20px;  
    -ms-border-radius: 20px; }
```

```
.row{  
    display: flex;  
    height: 180vh;  
    align-items: center;  
    justify-content: center;  
}
```

```
.header-area .main-nav .menu-trigger span,  
.header-area .main-nav .menu-trigger span:before,  
.header-area .main-nav .menu-trigger span:after {  
    -moz-transition: all 0.4s;  
    -o-transition: all 0.4s;  
    -webkit-transition: all 0.4s;  
    transition: all 0.4s;  
    background-color: #e6e6e6;  
    display: block;  
    position: absolute;  
    width: 30px;  
    height: 2px;  
    left: 0;
```

Figure 38

```

.sub-header .left-content p {
  color: #fff;
  padding: 8px 0px;
  font-size: 13px;
}

.sub-header .right-icons {
  text-align: right;
  padding: 8px 0px;
}

.sub-header .right-icons ul li {
  display: inline-block;
  margin-left: 15px;
}

.sub-header .right-icons ul li a {
  color: #fff;
  font-size: 14px;
  transition: all .3s;
}

.sub-header .right-icons ul li a:hover {
  color: #f5a425;
}

.sub-header .left-content p em {
  font-style: normal;
  color: #f5a425;
}

```

Figure 39

On the Main Page, there must to be a video related to the chosen subject. Using a special external style sheet file, the style's consistency should be ensured. This will be utilized by the other group members across the website.

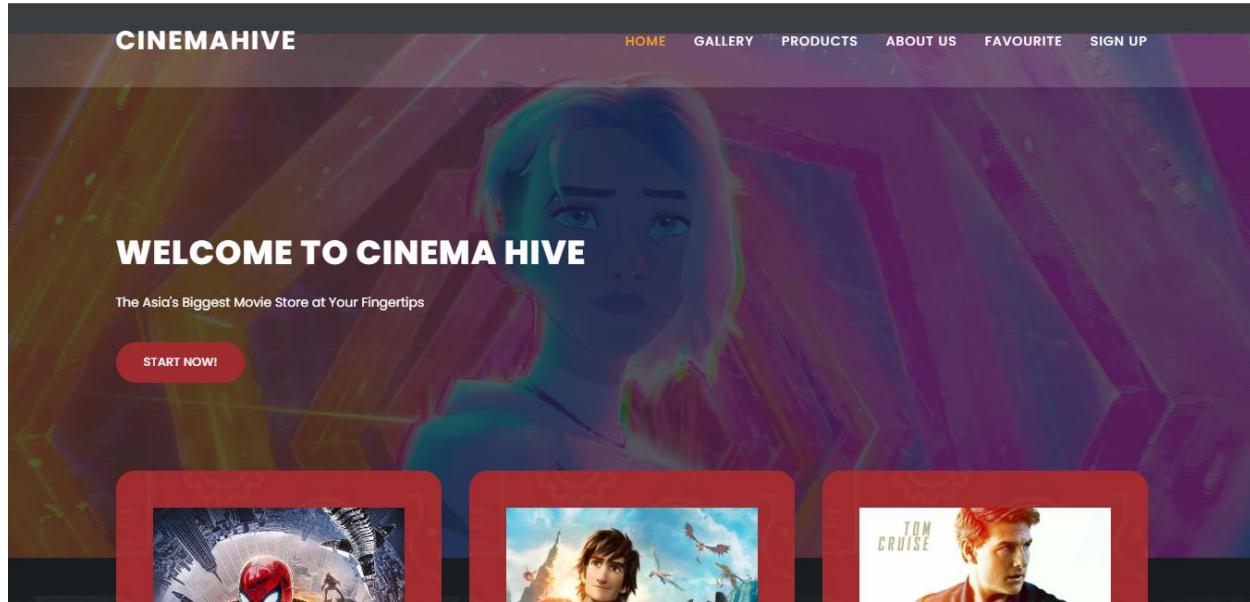


Figure 40

HTML code:

```
<section class="section main-banner" id="top" data-section="section1">
  <video autoplay muted loop id="bg-video">
    <source src="assets/images/abc.mp4" type="video/mp4" />
  </video>

  <div class="video-overlay header-text">
    <div class="container">
      <div class="row">
        <div class="col-lg-12">
          <div class="caption">

            <h2>Welcome to CINEMA HIVE</h2>
            <p>The Asia's Biggest Movie Store at Your Fingertips</p>
            <div class="main-button-red">
              <div class="scroll-to-section"><a href="#contact">Start now!</a></div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</section>
```

Figure 41

CSS code:

```
.main-banner {
  position: relative;
  max-height: 100%;
  overflow: hidden;
  margin-bottom: -7px;
}
```

Figure 42

```
.video-overlay {
  position: absolute;
  background-color: #333333;
  top: 0;
  left: 0;
  bottom: 0;
  right: 0;
  width: 100%;}
```

Figure 43

```
.main-button-red a {
    font-size: 13px;
    color: #fff;
    background-color: #a12c2f;
    padding: 12px 30px;
    display: inline-block;
    border-radius: 22px;
    font-weight: 500;
    text-transform: uppercase;
    transition: all .3s;
}
```

Figure 44

Additionally, as part of this function, we must design a form to collect customer feedback on our website. Users should fill out that form with information like their name, email, etc. Additionally, this form has to have a rating option for the website and a button to reset the forms. User should receive an HTML popup window with the summary of their submission, including their name, any comments they made, and the rating they gave on the form, if the name, email, and ratings are filled in. The form should be validated using JavaScript validation to ensure that the user has filled in the mandatory areas.

The screenshot shows a feedback form titled "Feedback Form" on a website named "CINEMAHIVE". The top navigation bar includes links for HOME, GALLERY, PRODUCTS, ABOUT US, FAVOURITE, and SIGN UP. The main heading "Please fill the below form" is displayed above the form area. The form itself has a teal header and a white body. It contains fields for "Name" (text input), "Email" (text input), and "Message" (text area with placeholder "Describe your requirement"). Below the message area is a rating scale with options: "Very Good", "Good", "Satisfiable", "Bad", and "Very Bad", each preceded by a radio button. At the bottom of the form are two buttons: "Reset" and "Submit".

Figure 45

Without filling fields.

A screenshot of a feedback form titled "Feedback Form". It has three input fields: "Name" (Ravindu Wellalage), "Email" (empty), and "Message" (Describe your requirement). The "Email" field is highlighted with a red rectangle.

Figure 46

A screenshot of a feedback form for "CINEMAHIVE". It includes a validation message in a modal: "This page says email must be filled out". Below the modal, there's a "Message" section with a list of rating options: "Very Good", "Good", "Satisfiable", "Bad", and "Very Bad". At the bottom are "Reset" and "Submit" buttons.

Figure 47

Submit message when all fields are filled

A screenshot of a feedback form titled "Feedback Form". All fields are now filled: "Name" (Ravindu Wellalage), "Email" (ravinduwellalage5@gmail.com), "Message" (This is very informative website.), and the rating section where "Very Good" is selected. The "Email" field is highlighted with a red rectangle.

Figure 48

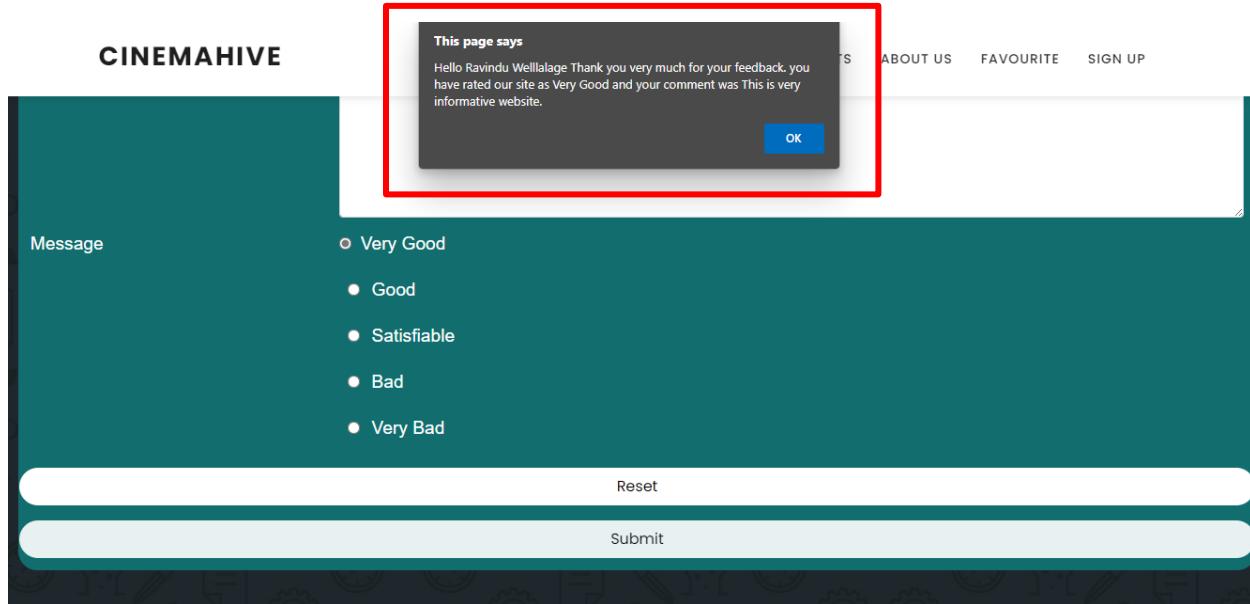


Figure 49

HTML code:

```

<section class="contact-us" id="contact">
<section>
<h2 class="text" class="container">&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbspPlease fill the below form</h2>
<br>
<div class="text">
  <div class="ending bottom-margin">
    <div class="form">
      <h1 class="text">Feedback Form</h1>
      <form method="POST" action="" name="feedback" onsubmit="return validateForm()">
        <div class="row">
          <div class="col-25">
            <label for="fname">Name</label>
          </div>
          <div class="col-75">
            <input type="text" name="name" class="form-control" value="">
          </div>
        </div>
        <div class="row">
          <div class="col-25">
            <label for="lname">Email</label>
          </div>
          <div class="col-75">
            <input type="text" name="email" class="form-control" value="">
          </div>
        </div>
        <div class="row">
          <div class="col-25">
            <label for="subject">Message</label>
          </div>
          <div class="col-75">
            <textarea name="message" placeholder="Discribe your requirement" class="form-control" style="height:200px"></textarea>
          </div>
        </div>
        <div class="row">
          <div class="col-25">

```

Figure 50

```

        <textarea name="message" placeholder="Discribe your requirement" class="form-control" style="height:200px"></textarea>
    </div>
</div>
<div class="row">
    <div class="col-25">
        <label for="subject">Message</label><BR><br><br>
    </div>
    <div class="col-75">
        <input type="radio" id="1" name="rate" value="Very Good">
        <label for="1" >&nbsp;Very Good</label><br>
        <input type="radio" id="2" name="rate" value="Good">
        <label for="2">Good</label><br>
        <input type="radio" id="3" name="rate" value="Satisfiable">
        <label for="3">Satisfiable</label><br>
        <input type="radio" id="4" name="rate" value="Bad">
        <label for="4">Bad</label><br>
        <input type="radio" id="5" name="rate" value="Very Bad">
        <label for="5">Very Bad</label><br>
    </div>
</div>
<div class="row">
    <input type="reset" name="reset" value="Reset">
    <input type="submit" name="submit" value="Submit">
</div>
</form>
</div>
</div>
</div>

<script src="testweb/js/form.js"></script>

```

Figure 51

CSS code:

```

* {
    margin: 0px;
    padding: 0px;
    text-decoration: none;
    list-style: none;
    box-sizing: border-box;
    font-size: 100%;
}

/* ----- form -----*/
.form {
    margin-left: 2rem;
    background-color: #116D6E;
    padding: .8rem;
    border-radius: 20px;
}
.form h1{
    text-align: center;
    margin-bottom: 1rem;
}
input[type="text"],
select,
textarea {
    width: 100%;
    padding: 12px;
    border: 2px solid #fffff;
    border-radius: 10px;
    resize: vertical;
}

.text{
    color: white;
}

```

Figure 52

```

input[type="submit"] {
background-color: black;
color: white;
padding: 0.5rem 0.8rem;
margin-top: 1rem;
margin-right: 1rem;
border: none;
border-radius: 50px;
cursor: pointer;
float: right;
}

label{
font-family: 'Montserrat', sans-serif;
}

input[type="reset"] {
background-color: black;
color: white;
padding: 0.5rem 0.8rem;
margin-top: 1rem;
border: none;
border-radius: 50px;
cursor: pointer;
float: right;
}

input[type="submit"]:hover {
opacity: 90%;
}

input[type="reset"]:hover {
opacity: 90%;
}

```

Figure 53

```

.col-75 {
float: left;
width: 75%;
margin-top: 6px;
}
.col-75 input {
font-family: "Poppins", sans-serif;
font-size: 0.8rem;
}
.col-75 textarea {
font-family: "Poppins", sans-serif;
font-size: 0.8rem;
}

/* Clear floats after the columns */
.row:after {
content: "";
display: table;
clear: both;
}

/*----- footer -----*/
.footer{
text-align: center;
background-color: red;
color: #ff0000;
width: 100%;
padding-top: 1.5rem;
padding-bottom: 1.5rem;
}/*

```

Figure 54

```

main > testweb > js > JS form.js > validateForm
1 function validateForm(){
2     let x = document.forms["feedback"]["name"].value;
3     let y = document.forms["feedback"]["email"].value;
4     let z = document.forms["feedback"]["rate"].value;
5     let e = document.forms["feedback"]["message"].value;
6
7     if (x==""){
8         alert("name must be filled out")
9         return false;
10    }
11    else if (y==""){
12        alert("email must be filled out")
13        return false;
14    }
15    else if (z == ""){
16        alert("Please rate before you submit")
17        return false;
18    }
19    else {
20        alert("Hello " + x + " Thank you very much for your feedback. you have rated our site as " + z +" and your comment was " + e)
21        return false;
22    }
23 }

```

Figure 55

The next step is to construct a JavaScript quiz to boost website user engagement. Student 2 has to create a quiz using java script and use validation to further parts. From this quiz website will ask you 5 questions and it will calculate your marks for gradings. If you got above 7 , you will be awarded a gold class. If you are scored above 5 and below 7, you will awarded a silver class and if you scored below 5 you will get bronze award. If you are failed to answer any of the questions it will fail you from the quiz.

Quiz will appear when you clicked this button.



Figure 56

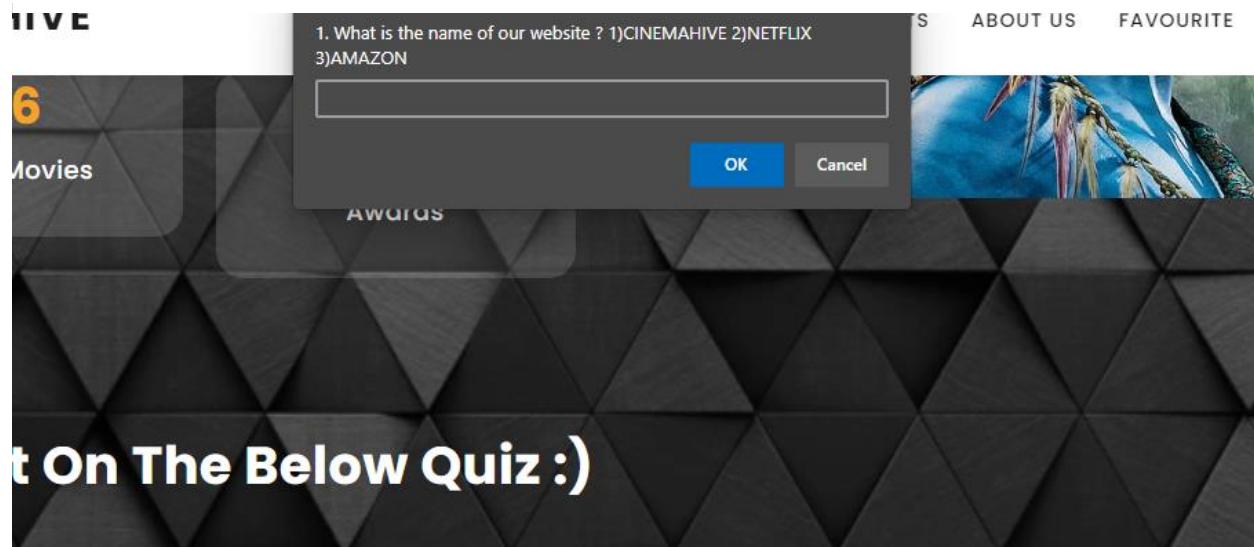


Figure 57

User has to enter correct answer in the given text bar in block letters.

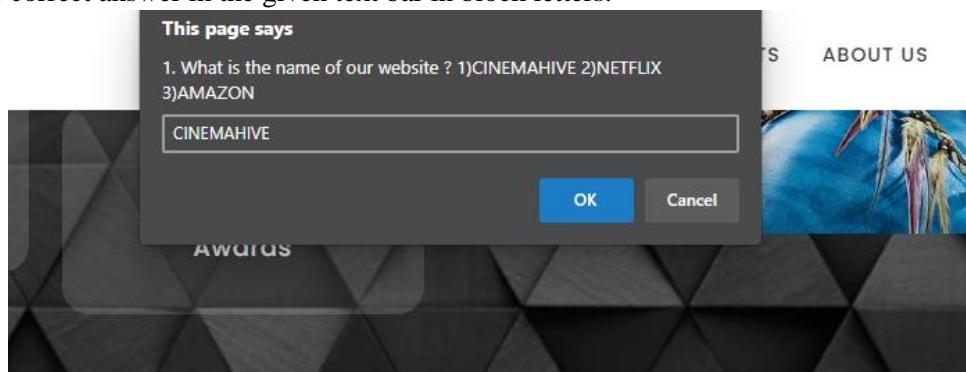


Figure 58

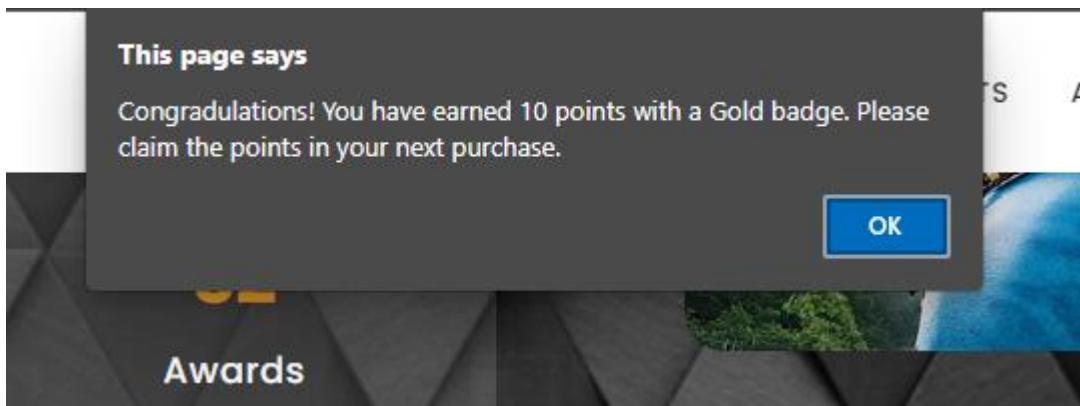


Figure 59

HTML code:

```
<section>

  <div class="col-lg-12">
    <br><br><br>
    <h2>Just Hit On The Below Quiz :)</h2>
  </div>

  <div class="quiz">
    <button class="quiz-button" onclick="quiz()">click here to fill the quiz</button>
  </div>

  <script src="quiz/js/quiz.js"></script>
</section>

</section>
```

Figure 60

CSS code:

```
 * {
  margin: 0px;
  padding: 0px;
  text-decoration: none;
  list-style: none;
  box-sizing: border-box;
  font-size: 100%;
}

/* ----- quiz -----*/
.quiz{
  text-align: center;
  margin-bottom: 3rem;
}
.quiz-button{
  background-color: #1E3A4B;
  color: #00AEAC;
  padding: 0.8rem 0.8rem;
  margin-top: 1rem;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
.quiz-button:hover{
  background-color: white;
  color: #1E3A4B;
  border: #1E3A4B solid 2px;
```

Figure 61

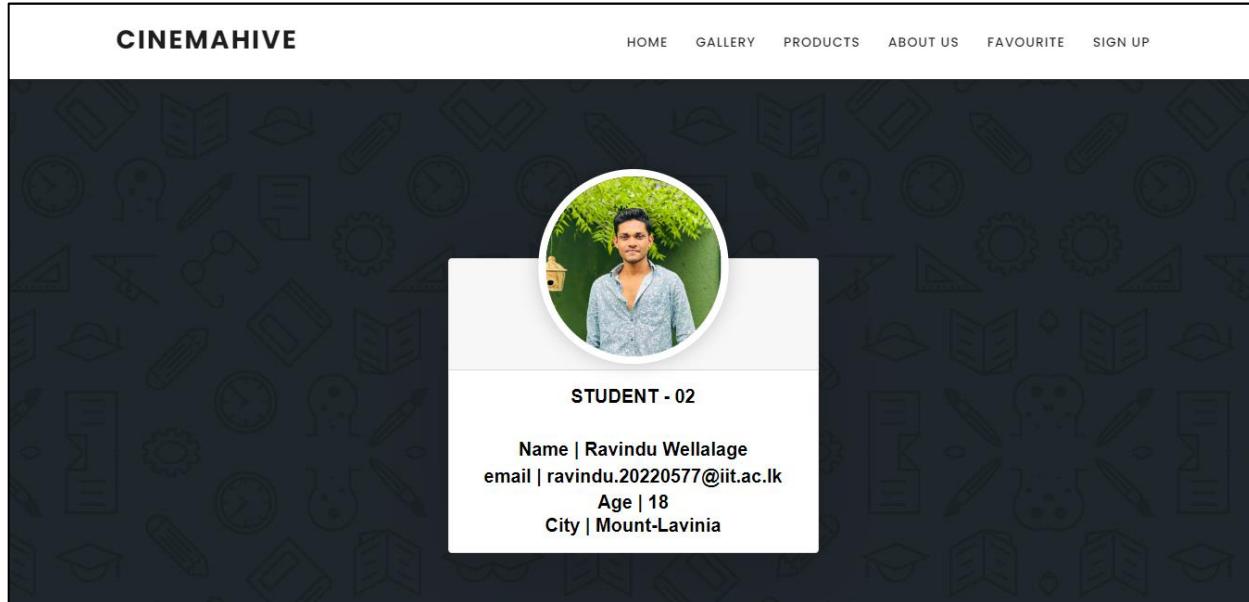
JAVASCRIPT code:

```
ain > quiz > js > JS quiz.js > Q quiz
1  on quiz(){
2    t score = 0;
3    t badge = "";
4
5    (prompt("1. What is the name of our website ? 1)CINEMAHIVE 2)NETFLIX 3)AMAZON ") == "CinemaHive" || "cinemahive" || "Cinemahive" || "CIN
6      score = score + 2;
7    lse{
8      score = score - 1;
9
10   (prompt("2. Where do we located ? 1)AUSTRALIA 2)SRI LANKA 3)UAE") == "SRI LANKA"){
11     score = score + 2;
12   lse{
13     score = score - 1;
14
15   (prompt("3. What kind of recommendation type we Offer ? 1)BOOKS 2)MOVIES 3)MUSIC") == "MOVIES"){
16     score = score + 2;
17   lse{
18     score = score - 1;
19
20   (prompt("4. For which movie our video on homepage belongs to ? 1)SPIDER MAN 2)HULK 3)BEN10 ") == "SPIDER MAN"){
21     score = score + 2;
22   lse{
23     score = score - 1;
24
25   (prompt("5. From the listed categories which category we dont sell ? 1)JEWELLERY 2)MOVIE DVD 3)MOVIE CHARACTER MTOYS ") == "JEWELLERY"
26
(score > 7){
  badge = "Gold";
  alert("Congratulations! You have earned " + score + " points with a " + badge + " badge. Please claim the points in your next purchase
  let text = score.toString();
  localStorage.setItem("test1", text);
}
se if(score > 5){
  badge = "silver";
  alert("Congratulations! You have earned " + score + " points with a " + badge + " badge. Please claim the points in your next purchase
  let text = score.toString();
  localStorage.setItem("test1", text);
}
se if(score > 0){
  badge = "bronze";
  alert("Congratulations! You have earned " + score + " points with a " + badge + " badge. Please claim the points in your next purchase
  let text = score.toString();
  localStorage.setItem("test1", text);
}
se{
  alert("You are failed badly!!!")
  let text = score.toString();
  localStorage.setItem("test1", text);
```

Figure 62

Finally, the title logo and a link to the page editor should appear at the top of each page of the website. To boost interaction and navigational simplicity, feel free to utilize more JavaScript.

Editor's page:



HTML code:

```
<section class="contact-us" id="contact">

    <div class="card">
        <div class="card-header">
            
        </div>
        <div class="card-body">
            <p class="name"><b>STUDENT - 02</b></p>
            <br>
            <p class="name"><b>Name | Ravindu Wellalage</b></p>
            <a href="#" class="name"><b>email | ravindu.20220577@iit.ac.lk</b></a>
            <p class="name"><b>Age | 18</b></p>
            <p class="name"><b>City | Mount-Lavinia</b></p>
        </div>

    </div>

    <br>
    <br>
    <br>
    <br>
```

Figure 63

```
* {
    margin: 0px;
    padding: 0px;
    text-decoration: none;
    list-style: none;
    box-sizing: border-box;
    font-size: 100%;
}
a{
    color: #000000;
}
body{
    background-color: #1E3A4B;
    color: #000000;
}
.card {
    vertical-align: center;
    max-width: 400px;
    margin: 150px auto 0;
    background-color: #fad029;
    box-shadow: 0 10px 90px #00000024;
    text-align: center;
    font-size: 20px;
    border-radius: 15px;
}
.card .card-header {
    position: relative;
    height: 120px;
}
.card .card-header .profile-img {
    width: 205px;
    height: 210px;
    border-radius: 1000px;
    position: absolute;
    left: 50%;
    transform: translate(-50%, -50%);
    border: 8px solid white;
```

Figure 64

Title logo:

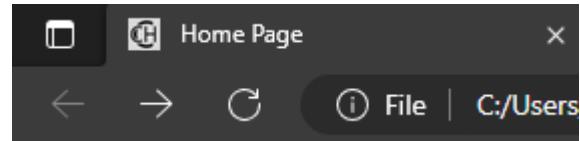


Figure 65

HTML code:

```
<link rel="stylesheet" href="assets/css/lightbox.css">
|<link rel="icon" type="image/x-icon" href="../main/assets/images/logo.jpg">
```

Figure 66

Student 3

Task 01 – Create a Products Page

Because movies are divided into many different categories, the products page is divided into 5 sections so that the users can buy items related to the section they desire.

1. Container_Cart

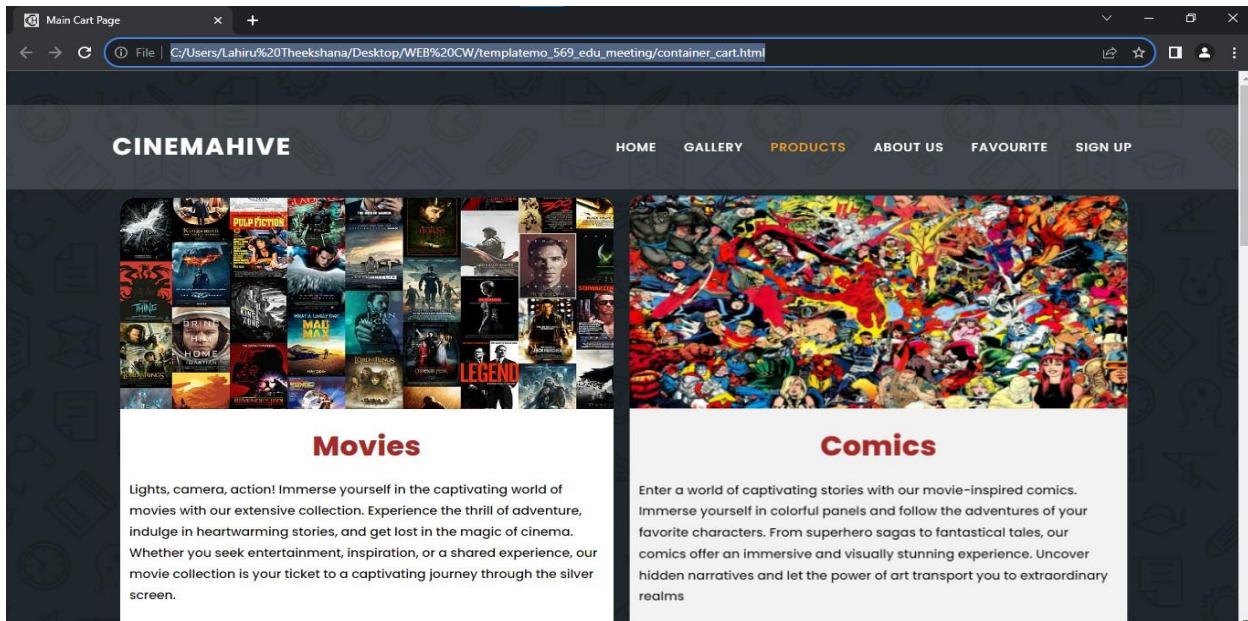


Figure 67

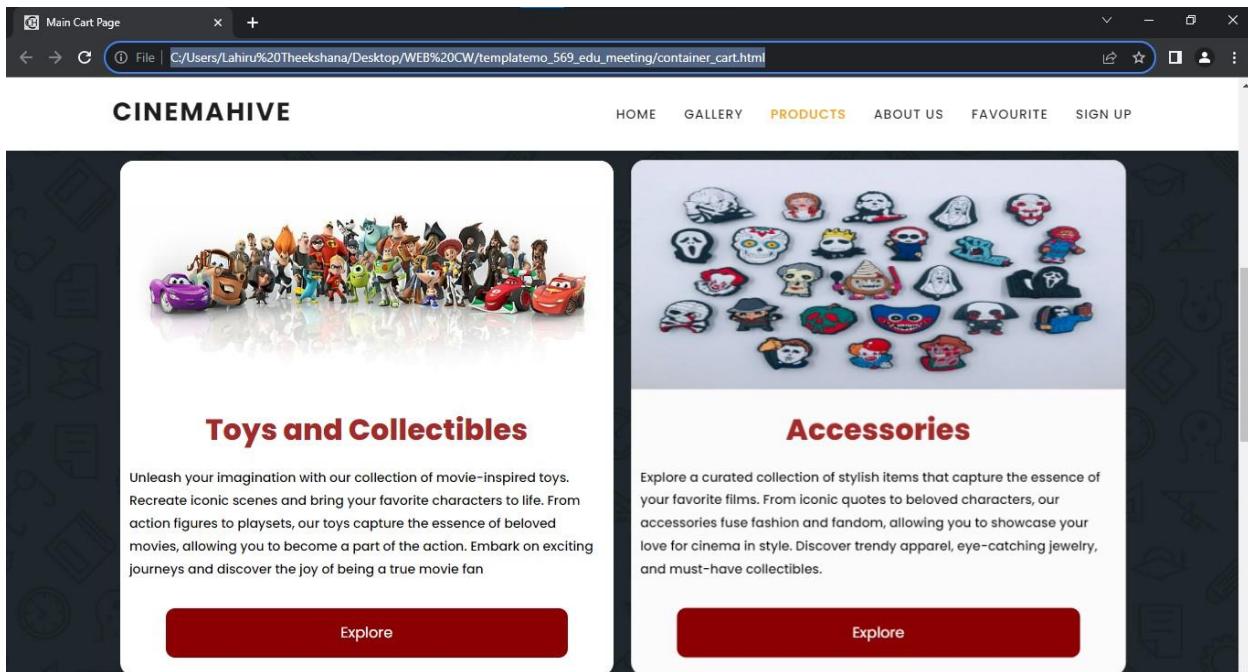


Figure 68

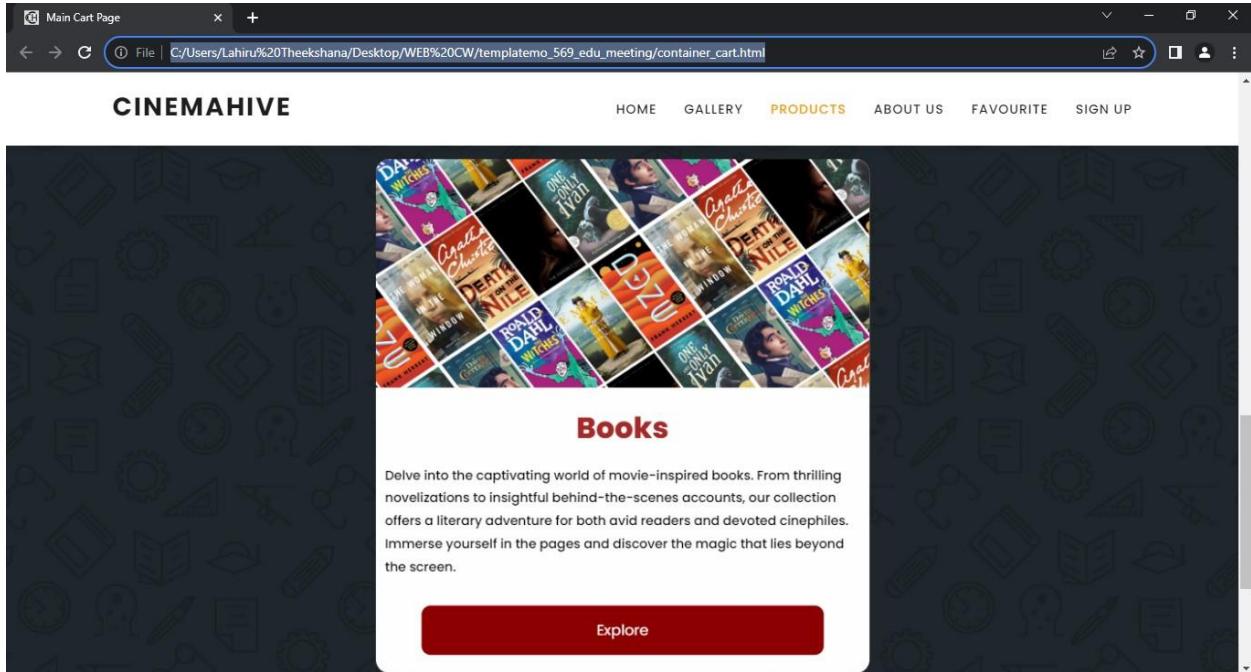


Figure 69

1.1 Html Code

```

2. <section class="container-cart">
3.   <div class="card-cart">
4.     
5.     <h2> Movies</h2>
6.     <p>Lights, camera, action! Immerse yourself in the captivating
world of movies with our extensive collection. Experience the thrill of
adventure, indulge in heartwarming stories, and get lost in the magic of
cinema. Whether you seek entertainment, inspiration, or a shared
experience, our movie collection is your ticket to a captivating journey
through the silver screen.</p>
7.     <a href="movieCart.html"> Explore</a>
8.   </div>
9.   <div class="card-cart">
10.    
11.    <h2> Comics</h2>
12.    <p>Enter a world of captivating stories with our movie-inspired
comics. Immerse yourself in colorful panels and follow the adventures of
your favorite characters. From superhero sagas to fantastical tales, our
comics offer an immersive and visually stunning experience. Uncover hidden
narratives and let the power of art transport you to extraordinary
realms</p>
13.    <a href="comicsCart.html"> Explore</a>

```

Figure 70

1.2 CSS Code

```
{  
    box-sizing: border-box;  
    padding: 0;  
    margin: 0;  
}  
  
.container-cart{  
    display: flex;  
    align-items: center;  
    justify-content: center;  
    flex-wrap: wrap;  
}  
  
.card-cart{  
    background: white;  
    width: 40%;  
    margin: 10px;  
    border-radius: 15px;  
}  
  
.card-cart .card-image{  
    background-color: #f0f0f0;  
    height: 250px;  
    margin-bottom: 15px;  
    background-size: cover;  
    border-radius: 15px 15px 0 0;  
}  
.cart-1{  
    background-image: url(assets/images/movies.jpg);  
}  
.cart-2{  
    background-image: url(assets/images/comics.jpg);  
}  
.cart-3{  
    background-image: url(assets/images/series.jpg);  
}
```

Figure 71

Creating a Cart Page

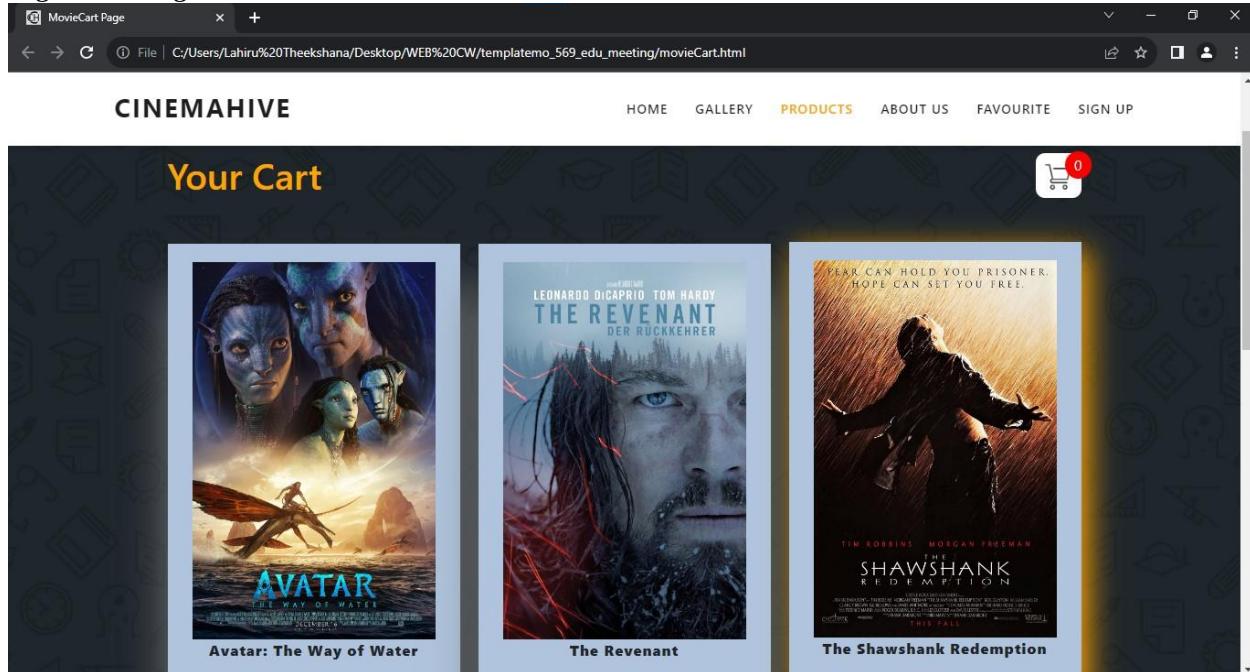


Figure 72

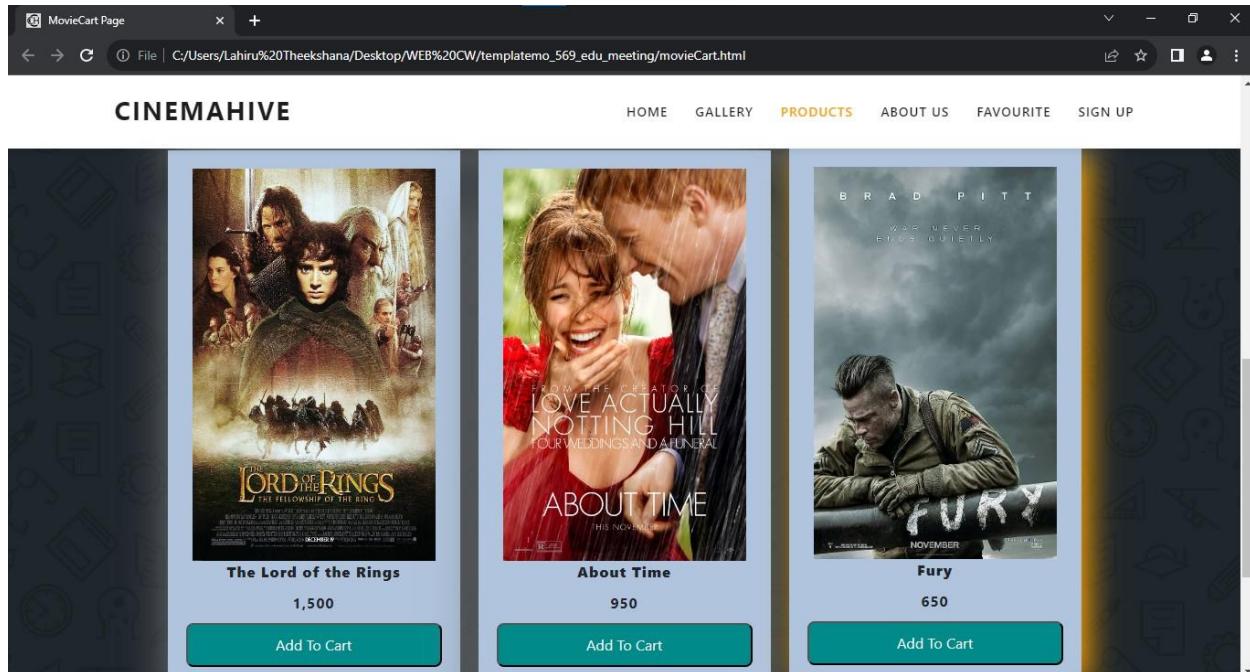


Figure 73

Html code

```
<div class="containerCart" >
  <div class="head">
    <h1>Your Cart</h1>
    <div class="iconCart">
      
      <span class="quantity">0</span>
    </div>
  </div>
  <div class="list"></div>
</div>
```

Figure 74

2.2 CSS Code

```
body{
  font-family: system-ui;
  font-size: 16px;
}

.containerCart{
  width: 1000px;
  margin: auto;
  transition: 1s;
}

.head{
  display:grid;
  grid-template-columns: 1fr 50px;
  margin-top: 5px;
}

.head h1{
  color: orange;
  font-weight: 600;
}

.head .iconCart{
  position: relative;
  text-align: right;
}

.head .iconCart img{
  width: 50px;
  border-radius: 10px;
}

span.quantity{
  background-color: red;
  border-radius: 50%;
  display: flex;
  justify-content: center;
  align-items: center;
  color: #fff;
  position: absolute;
  top: -2px;
  left: 55px;
  padding: 3px 10px;
}
```

Figure 75

JavaScript Code

```
let iconCart = document.querySelector('.iconCart');// Selects and puts in the  
variable "iconCart" the DOM element with the "iconCart" class.  
let close = document.querySelector('.close');//Selects and puts in the variable  
"close" the DOM element with the "close" class  
let list = document.querySelector('.list');//Selects and puts in the variable  
"list" the DOM element with the "list" class  
let card = document.querySelector('.card');//Selects and puts in the variable  
"card" the DOM element with the "card" class  
let listCard = document.querySelector('.listCard');//Selects and puts in the  
variable "listCard" the DOM element with the "listCard" class  
let body = document.querySelector('body');//Selects and puts in the variable  
"body" the DOM element with the "body".  
let total = document.querySelector('.total');//Selects and puts in the variable  
"total" the DOM element with the "total" class
```

Figure 76

```
iconCart.addEventListener('click', ()=>{ // Adds a click event listener to the  
"iconCart" element  
    if(card.style.right === '-100%'){ // Checks if the "card" is currently hidden  
(right: -100%)  
        card.style.right = '0';  
        containerCart.style.transform = 'translateX(-400px)';// If hidden, shows  
the "card" by setting right: 0 and slides the "containerCart" to the left  
    } else{  
        card.style.right = '-100%';  
        containerCart.style.transform = 'translateX(0)';// If already shown, hides  
the "card" by setting right: -100% and slides the "containerCart" back to the  
right  
    }  
})  
close.addEventListener('click', ()=>{  
    card.style.right = '-100%';  
    containerCart.style.transform = 'translateX(0)';// Hides the "card" by  
setting right: -100% and slides the "containerCart" back to the right  
})
```

Figure 77

```
let products = [
  {
    id: 1,
    name: 'Avatar: The Way of Water',
    image: '1.jpg',
    price:1000
  },
  {
    id: 2,
    name: 'The Revenant',
    image: '2.jpg',
    price:800
  },
  {
    id: 3,
    name: 'The Shawshank Redemption',
    image: '3.jpg',
    price:750
  },
  {
    id: 4,
    name: 'The Lord of the Rings',
    image: '4.jpg',
    price:1500
  },
  {
    id: 5,
    name: 'About Time',
    image: '5.jpg',
    price:950
  },
  {
    id: 6,
```

Figure 78

To allow customers to add products to their shopping carts or place purchases, this Js code may use this array to display the name, image, and price of each item. Each object in the array provides details on a specific product, including the product's name, an image file name, its price, and its unique identifier. In the same way, 4 more similar carts were created using html, css and javaScript was made using and everything mentioned here is also included in it.

Accessories Cart

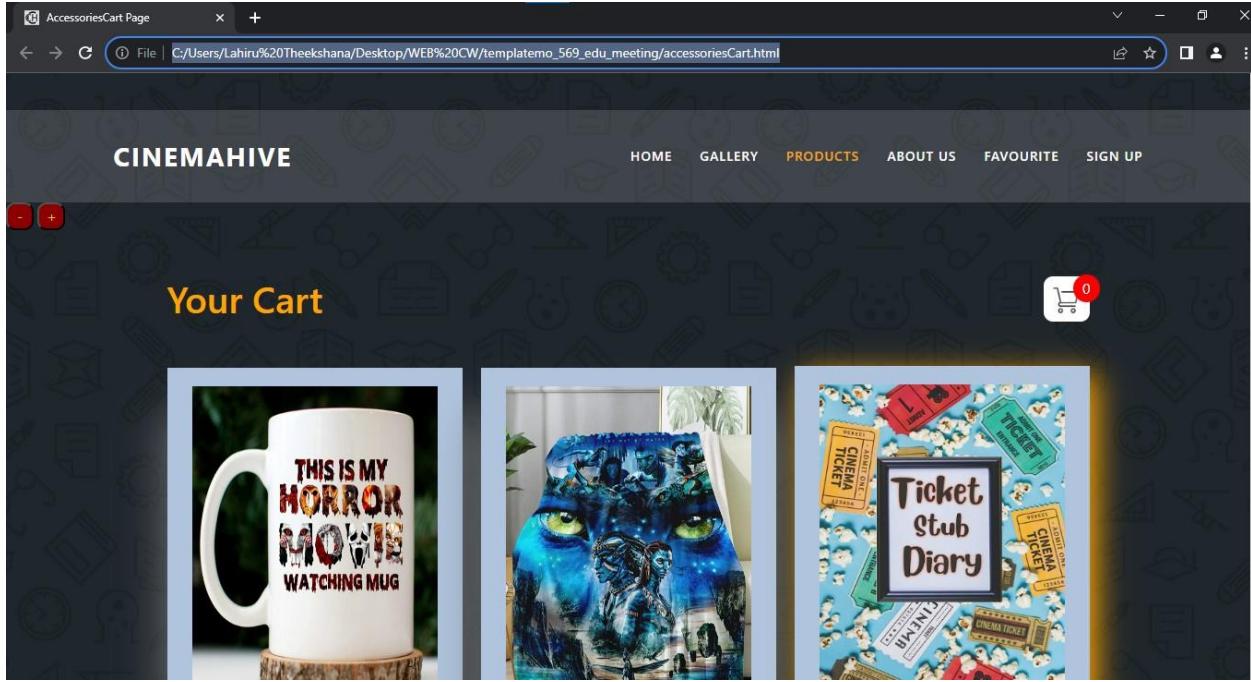


Figure 79

Books Cart

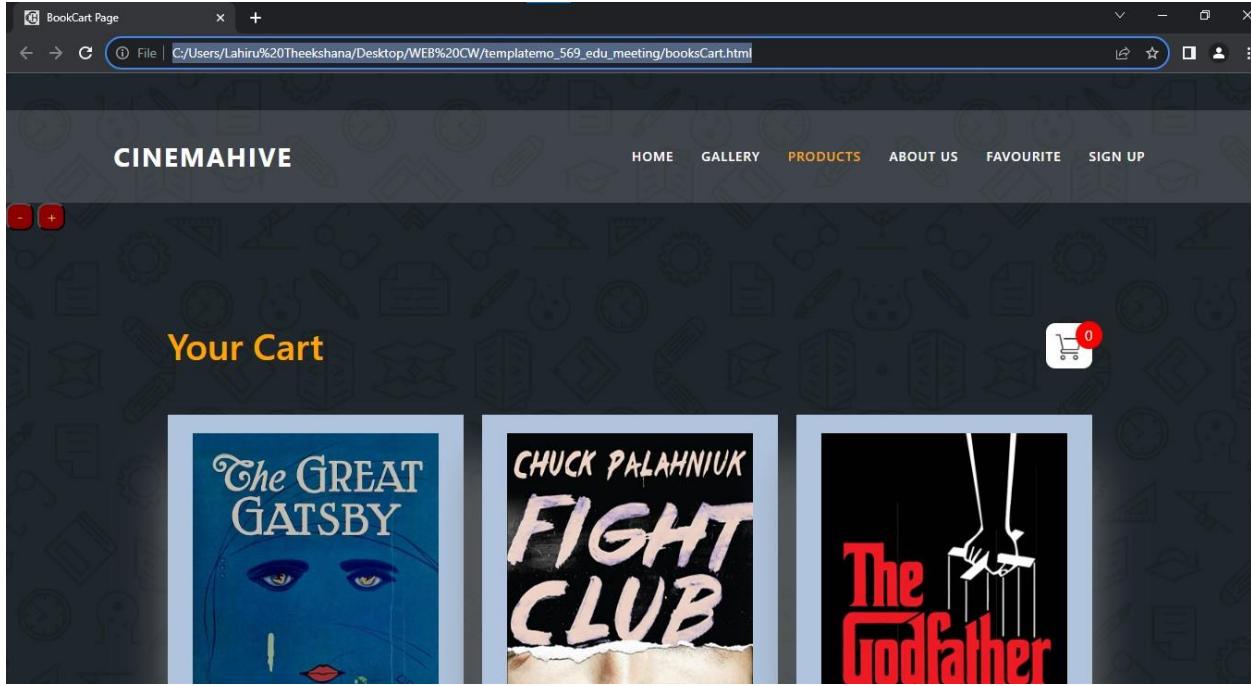


Figure 80

Comics Cart

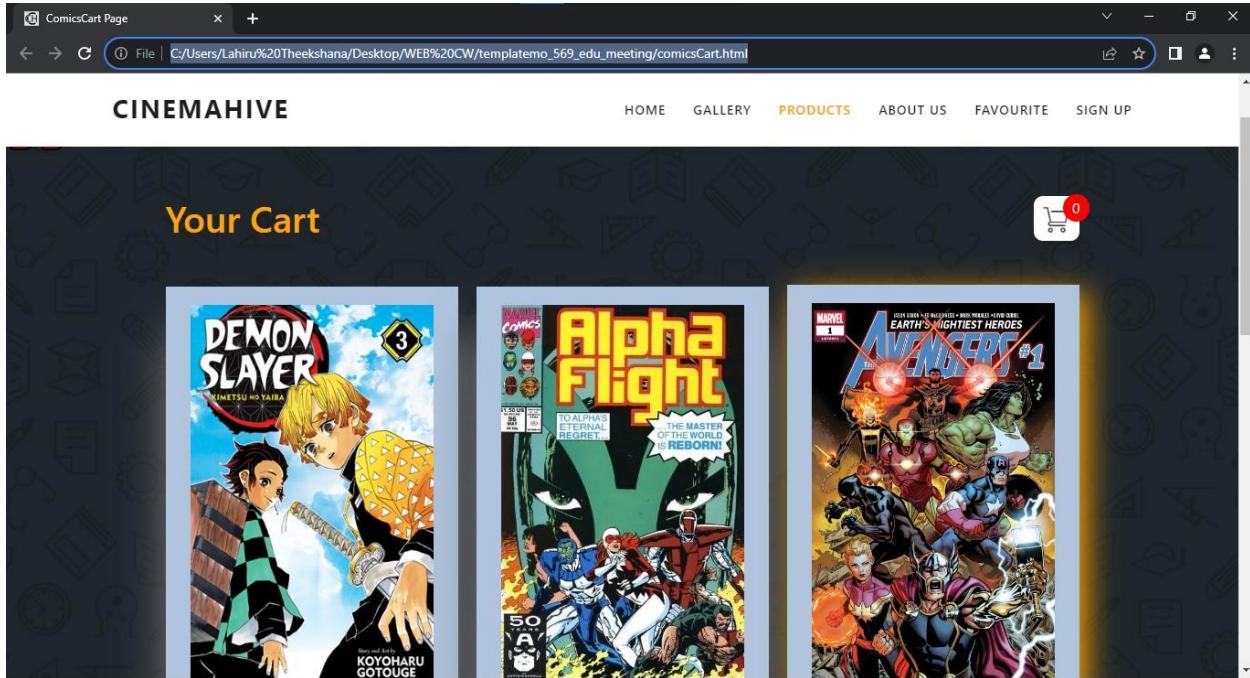


Figure 81

Toys Cart

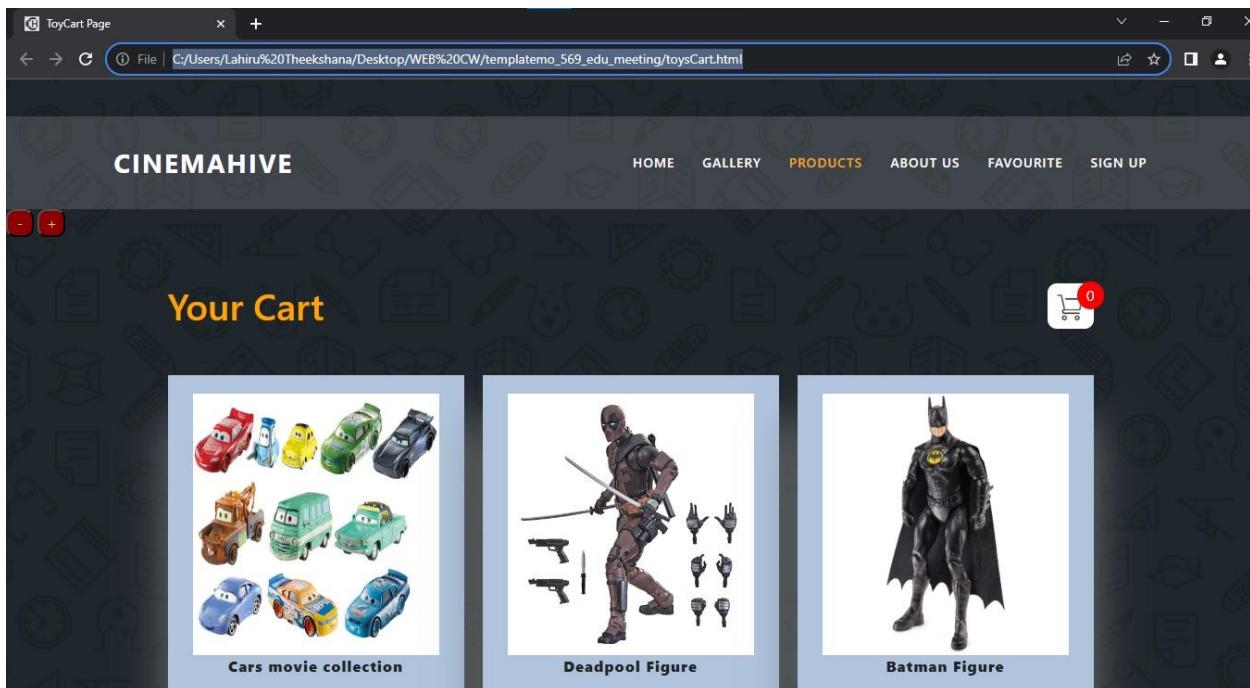


Figure 82

Task 03 – Create a Cart Card

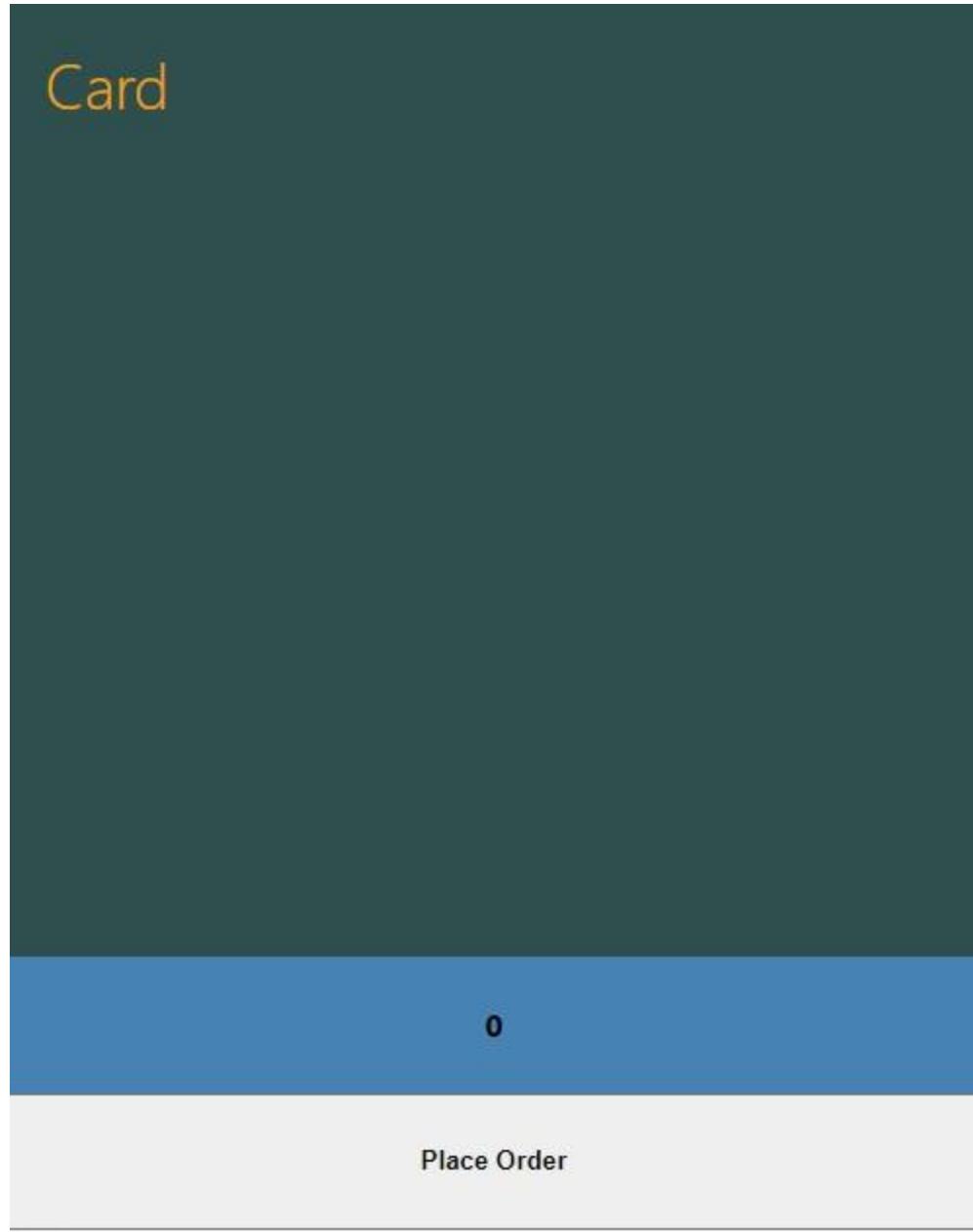


Figure 83

Html Code

```
<div class="card">
  <h1>Card</h1>
  <ul class="listCard"></ul>
  <div class="checkOut">
    <div class="total"> $</div>
    <div class="close"></div>
    <input type="button" class="flip" value="Place Order"
      onClick="window.open('MovieCartForm.html', '_self');" style="width: 500px;
      height: 70px;font-weight: bold;" />
  </div>
</div>
```

Figure 84

CSS Code

```
.card{
  position: fixed;
  top: 0;
  right: -100%;
  width: 500px;
  background-color: #d9eaf7;
  height: 250px;
  transition: 0.5s;
}

.card h1{
  color: orange;
  font-weight: 200;
  margin: 0;
  padding: 0 20px;
  height: 80px;
  display: flex;
  align-items: center;
}

.card .checkOut{
  position: absolute;
  bottom: 0;
  width: 100%;
  display: grid;
  grid-template-columns: repeat(2,1fr);
}

.card .checkOut div{
  background-color: steelblue;
  width: 100%;
  height: 20px;
  display: flex;
  justify-content: center;
  align-items: center;
  font-weight: bold;
  cursor: pointer;
}

.card .checkOut div:nth-child(2){
  background-color: slategray;
  color: orange;
}
```

Figure 85

JavaScript Code

Create an Empty Shopping Cart

```
let listCards = [] // An empty array to store the list of cards
function initApp(){
    products.forEach((value, key) => { // Loop through each product in the
        "products" array
        let newDiv = document.createElement('div'); // Add the "item" class to
        the newly created div
        newDiv.classList.add("item");
        // // Populate the new div with product information using template
        literals
        newDiv.innerHTML =
            
            <div class="title">${value.name}</div>
            <div class="price">${value.price.toLocaleString()}</div>
            <button onclick="addtocard(${key})">Add To Cart</button>;
        list.appendChild(newDiv); //Append new div to the list
    })
}
```

Figure 86

Add To the Cart

```
initApp();
function addtocard(key){ // Function to add a product to the shopping cart based
on its key/index
    if (listCards[key] == null){ //In the listCards array, determine whether the
    item with the specified key or index already exists.

        listCards[key] = { // If the product does not exist in the cart, add it as
        a new entry in the listCards array
            ...products[key], // copy all the properties from the products array
            quantity: 1, //set the initial quantity of the product in the cart to
            1
            price: products[key].price // Set the price of the product in the
            cart to the original product price
        };
    } else {
        listCards[key].quantity++; // If the product already exists in the cart,
        increment its quantity by 1
    }
    reloadCart();
}
```

Figure 87

Reload the Cart

```
function reloadCart(){
    // Function to reload the shopping cart and update its content
    listCard.innerHTML = '';
    // Variables to keep track of the total quantity and total price in the
    shopping cart
    let count = 0;
    let totalPrice = 0;

    listCards.forEach((value, key) =>{
        // Loop through each item in the listCards array

        if (value != null){ // Check if the item is not null (exists in the cart)
            totalPrice = totalPrice + value.price; // Update the total price by
            adding the product price multiplied by its quantity
            count = count + value.quantity; // Update the total quantity by
            adding the product quantity
        }
    });
}
```

Figure 88

```
    let newDiv = document.createElement('li'); // Create a new list item
    (li) to represent the product in the cart
    newDiv.innerHTML =
        <div></div>
        <div>${value.name}</div>
        <div>${value.price.toLocaleString()}</div>
        <div>
            <button onclick="changeQuantity(${key}, ${value.quantity} - 1)">-</button>
            <div class="count">${value.quantity}</div>
            <button onclick="changeQuantity(${key}, ${value.quantity} + 1)">+</button>
        </div>`;

    listCard.appendChild(newDiv); // Append the new list item to the
    listCard element
}

};

total.innerText = totalPrice.toLocaleString(); // update the total and quantity
displayed in cart
quantity.innerText = count;
}
```

Figure 89

Change Quantity

```
function changeQuantity(key, quantity){/// Function to change the quantity of a product in the shopping cart
    if (quantity == 0){/// Check if the desired quantity is 0
        const itemPrice = listCards[key].price;// Retrieve the price of the product at the specified key/index in the cart
        delete listCards[key];// Remove the product from the cart by deleting its entry in the listCards array
        total.innerText = (parseInt(total.innerText.replace(/,/g, "")) - itemPrice).toLocaleString(); // Update the total price in the cart by subtracting the price of the removed item
    } else {
        listCards[key].quantity = quantity;/// If the desired quantity is greater than 0, update the product's quantity and price in the cart
        listCards[key].price = quantity * products[key].price;
    }
    reloadCard();// Call the reloadCard function to update the shopping cart's display
}
```

Figure 90

The "changeQuantity" function allows customers to change the quantity of products in their shopping basket. After each change, it updates the total price and refreshes the display using "reloadCard".

Task 04 – Create Font Increasing and Decreasing Button



Figure 91

4.1 Html Code

```
<div>
    <button id="decreaseFontButton">-</button>
    <button id="increaseFontButton">+</button>
</div>
```

Figure 92

4.2 CSS Code

```
#decreaseFontButton{  
    width: 30px;  
    height: 30px;  
    border-radius: 10px;  
    color: gold;  
    background-color: darkred;  
}  
#increaseFontButton{  
    width: 30px;  
    height: 30px;  
    text-align: center;  
    border-radius: 10px;  
    color: gold;  
    background-color: darkred;  
}
```

Figure 93

JavaScipt Code

```
const increaseButton = document.getElementById("increaseFontButton");// Select  
the button element with the id "increaseFontButton" and store it in the variable  
"increaseButton"  
const decreaseButton = document.getElementById("decreaseFontButton");// Select  
the button element with the id "decreaseFontButton" and store it in the variable  
"decreaseButton"  
const bodyElement = document.body;  
// Select the <body> element and store it in the variable "bodyElement"  
const headings = document.getElementsByTagName("h1");// Select all elements with  
the tag name "h1" and store them in the variable "headings"  
list = document.querySelector(".list");// Select the element with the class  
"list" and store it in the variable "list"  
const cardList = document.querySelector(".listCard"); // Select the element with  
the class "listCard" and store it in the variable "cardList"  
  
// Define the font size change amount  
const fontSizeChange = 2;  
const minFontSize = 8; //Creating minimum font Size  
  
  
increaseButton.addEventListener("click", () => {  
    // Increase the body font size  
    bodyElement.style.fontSize = parseInt(getComputedStyle(bodyElement).fontSize) *  
    fontSizeChange + "px";  
    // Increase the heading font size  
    for (let i = 0; i < headings.length; i++) {  
        headings[i].style.fontSize = parseInt(getComputedStyle(headings[i]).fontSize)  
        * fontSizeChange + "px";  
    }  
    // Increase the list font size  
    list.style.fontSize = parseInt(getComputedStyle(list).fontSize) *  
    fontSizeChange + "px";  
    // Increase the listCard font size  
    cardList.style.fontSize = parseInt(getComputedStyle(cardList).fontSize) +  
    fontSizeChange + "px";  
});
```

Figure 94

Form Page

File | C:/Users/Lahiru%20Theekshana/Desktop/WEB%20CW/templatemo_569_edu_meeting/MovieCartForm.html

CINEMAHIVE

HOME GALLERY PRODUCTS ABOUT US FAVOURITE SIGN UP

Personal Details

First Name

Last Name

E-mail

0123456789

Delivery Address

Avatar Movie Quantity

Revenent Movie Quantity

Figure 95

Html Code

```
<div class="details" id="formdata">
    <h1 id="header1">Personal Details</h1>
    <br>
    <input type="text" id="firstname" placeholder="First Name">
    <input type="text" id="lastname" placeholder="Last Name">
    <input type="email" id="email" placeholder="E-mail">
    <input type="tel" id="tel" placeholder="0123456789">
    <input type="text" id="address" placeholder="Delivery Address">

    <input type="number" id="Avquantity" placeholder="Avatar Movie Quantity">
    <input type="number" id="Requantity" placeholder="Revenant Movie
Quantity">
    <input type="number" id="Tsquantity" placeholder="The Shawshank Redemption
Movie Quantity">

    <input type="number" id="Loquantity" placeholder="The Lord Of The Rings
Movie Quantity">
    <input type="number" id="Abtquantity" placeholder="About Time Movie
Quantity">
    <input type="number" id="Fquantity" placeholder="Fury Movie Quantity">

    <h1 id="header2" class="form">Payment Details</h1>
    <br>
    <input type="text" id="cardname" placeholder="Cardholder's Name">
    <input type="text" id="cardnumber" placeholder="1111-2222-3333-4444
(consist of 12 digits)">
    <input type="datetime" id="expyear" placeholder="Expiry Date (MM/YYYY)">

    <input type="submit" Value="Submit" onclick="ValidateMessage()">

</div>
```

Figure 96

CSS Code

```
input[type=text],input[type=email],input[type=tel],input[type=datetime],input[type=number],select {
    width: 100px;
    padding: 12px 20px;
    margin: 8px 0;
    display: inline-block;
    border: 1px solid darkred;
    border-radius: 4px;
    box-sizing: border-box;
}

input[type=submit] {
    width: 100px;
    background-color: darkslategray;
    color: white;
    padding: 14px 20px;
    margin: 8px 0;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

input[type=submit]:hover {
    background-color: #e0e0e0;
}

details {
    border-radius: 5px;
    background-color: lightgray;
    padding: 5px;
    margin-left: auto;
    margin-right: auto;
    margin-bottom: 10px;
    margin-top: 10px;
    opacity: 0.85;
    width: 50px;
}
```

Figure 97

```
input[type=button].select {
background-color: #e6e6fa;
color: white;
margin: 5px 0;
border: none;
cursor: pointer;
}

input[type=button].hover {
background-color: #d4c4f1;
}

#header1{
    font-weight: 800;
}
#header2{
    font-weight: 600;
}

@media screen and (min-width: 700px){
    .details{
        flex-direction: column;
        flex-wrap: wrap;
        justify-content: center;
        align-items: center;
    }
}
```

Figure 98

JavaScript Code

```
function ValidateMessage() {
    alert("Thank you for submitting the form!");
}

function ValidateMessage() {
    var firstName = document.getElementById("firstname").value; //Takes First Name Value From The Form.
    var lastName = document.getElementById("lastname").value; //Takes Last Name Value From The Form.
    var email = document.getElementById("email").value; //Takes Email Value From The Form.
    var telNo = document.getElementById("select").value; //Takes Telephone Number Value From The Form.
    var address = document.getElementById("address").value; //Takes Address Value From The Form.
    var cardName = document.getElementById("cardname").value; //Takes Card Name Value From The Form.
    var cardNumber = document.getElementById("cardnumber").value; //Takes Card Number Value From The Form.
    var expYear = document.getElementById("expyear").value; //Takes Exp Year Value From The Form.
    var avquantity = document.getElementById("avquantity").value; //Takes the Quantity of Avatar Movies Value From The Form.
    var requantity = document.getElementById("requantity").value; //Takes the Quantity of Revenant Movies Value From The Form.
    var tsquantity = document.getElementById("tsquantity").value; //Takes the Quantity of The Shawshank Redemption Movies Value From The Form.
    var lorquantity = document.getElementById("lorquantity").value; //Takes Lord of the Rings Value From The Form.
    var abtquantity = document.getElementById("abtquantity").value; //Takes About time Value From The Form.
    var founquantity = document.getElementById("founquantity").value; //Takes Fury Value From The Form.

    // Validate required fields
    if (firstName === "" || lastName === "" || email === "" || cardName === "") {
        alert("Please fill in all required fields.");
        return;
    }
}
```

Figure 99

```

if (firstName == "" || !/^[a-zA-Z]+$/i.test(firstName)) {
    alert("Please enter a valid first name");
    return false;
}

if (lastName == "" || !/^[a-zA-Z]+$/i.test(lastName)) {
    alert("Please enter a valid last name");
    return false;
}

if (email == "" || !/^\S+@\S+\.\S+$/.test(email)) {
    alert("Please enter a valid email address");
    return false;
}

// Telpn must contains 10 digits
if (telNo == "" || !/\d{10}$/.test(telNo)) {
    alert("Please enter a valid telephone number");
    return false;
}

if (address == "") {
    alert("Please enter a valid delivery address");
    return false;
}

if (cardName == "" || !/^[a-zA-Z\s]+$/i.test(cardName)) {
    alert("Please enter a valid name on card");
    return false;
}

// Card number must contains of 16 digits
if (cardNumber == "" || !/\d{16}$/.test(cardNumber)) {
    alert("Please enter a valid card number");
    return false;
}

// The consecutive month should be shown in two digits and year in four digits
if (expYear == "" || !/^(0[1-9]|1[0-2])\d{4}$/.test(expYear)) {
    alert("Please enter a valid expiry date (mm/yyyy)");
    return false;
}

//Creating the prices for Each Movie
const avatar = 1000;
const covenant = 800;
const shawshankredemption = 750;
const lordOfTheRings = 1500;
const aboutTime = 950;

```

Figure 100

```

const fury = 450;

const movieList=[avavquantity,revequantity,tsrquantity,lorquantity,abtquantity,fquantity]
;

//Finding The Price For Each Movie According To The Quantity That User Entered
const avatarPrice = avatar * avavquantity;
const revenantPrice = revenant * revequantity;
const shRedemptionPrice = shawshankredemption * tsrquantity;
const lotPrice = lordOfTheRings * lorquantity;
const aboutTimePrice = aboutTime * abtquantity;
const furyPrice = fury * fquantity;

//Takes The FinalPrice of The Items
const finalPrice
=(avatarPrice+revenantPrice+shRedemptionPrice+lotPrice+aTimePrice+furyPrice);

//Creating An Alert Message variable
const summary = `Dear ${firstName} ${lastName},
You have ordered ${avavquantity} Avatar Movie(s) at a cost of £${avatarPrice},
${revequantity} Revenant Movie(s) at a cost of £${revenantPrice},
${tsrquantity} Shawshank Redemption Movie(s) at a cost of £${shRedemptionPrice},
${lorquantity} Lord of the Rings Movie(s) at a cost of £${lotPrice},
${abtquantity} About Time Movie(s) at a cost of £${aboutTimePrice},
${fquantity} Fury Movie(s) at a cost of £${furyPrice}.
Your total bill is £${finalPrice}.
Thank You For Shopping With CINEMAHIVE`;

//Display The Summary After User Entered Submit
alert(summary);
}

```

Figure 101

Validate Messages

Entered a Wrong Address

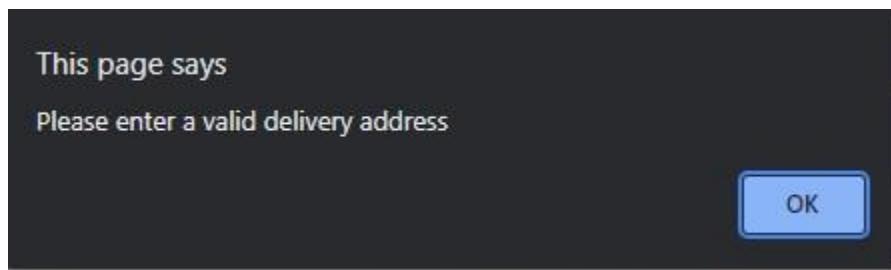


Figure 102

Entered a Wrong Card Number

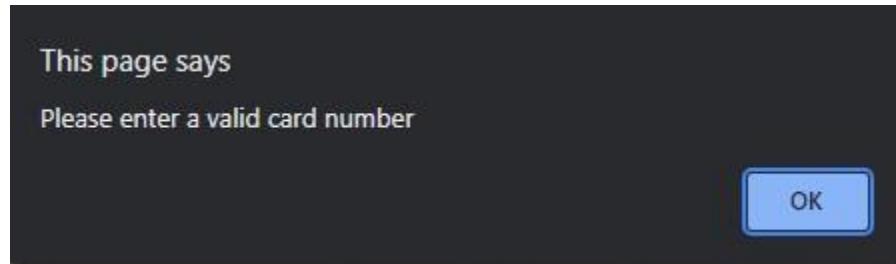


Figure 103

Entered a Wrong Name, Last Name, Email or Card Number

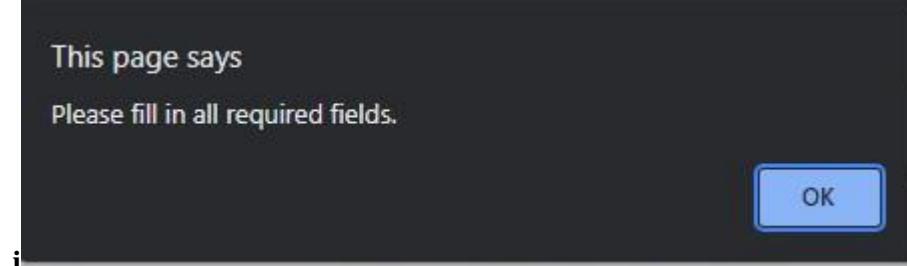


Figure 104

When All Fields Filled Correctly And Submit Button Was Clicked

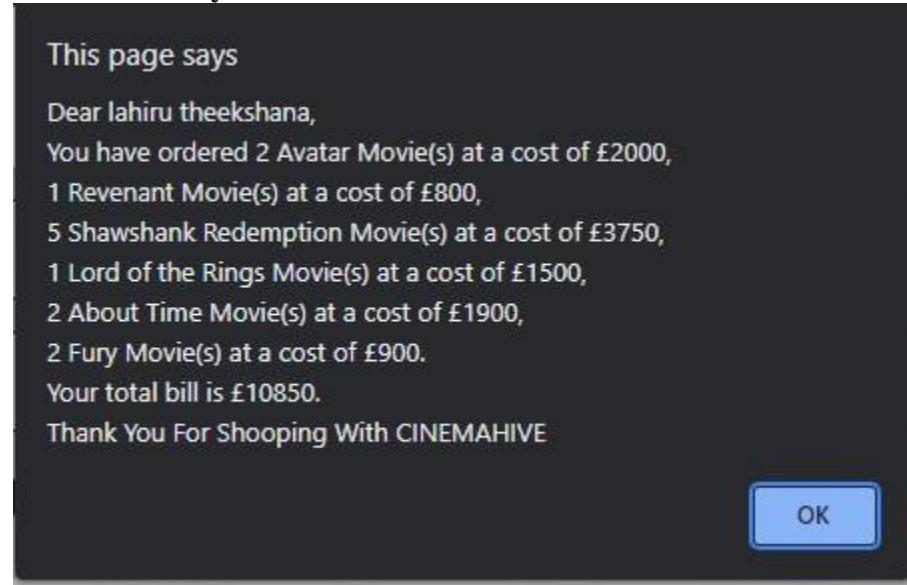


Figure 105

Task 06 – Create an About Us Page

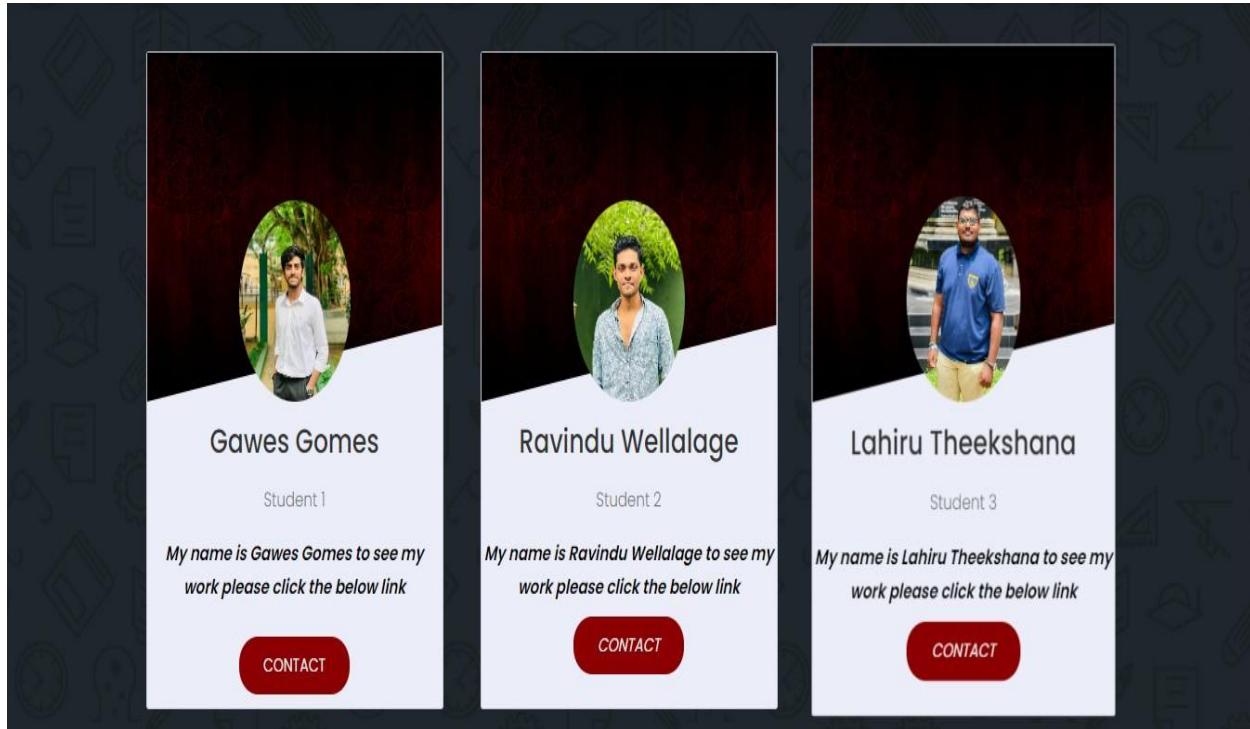


Figure 106

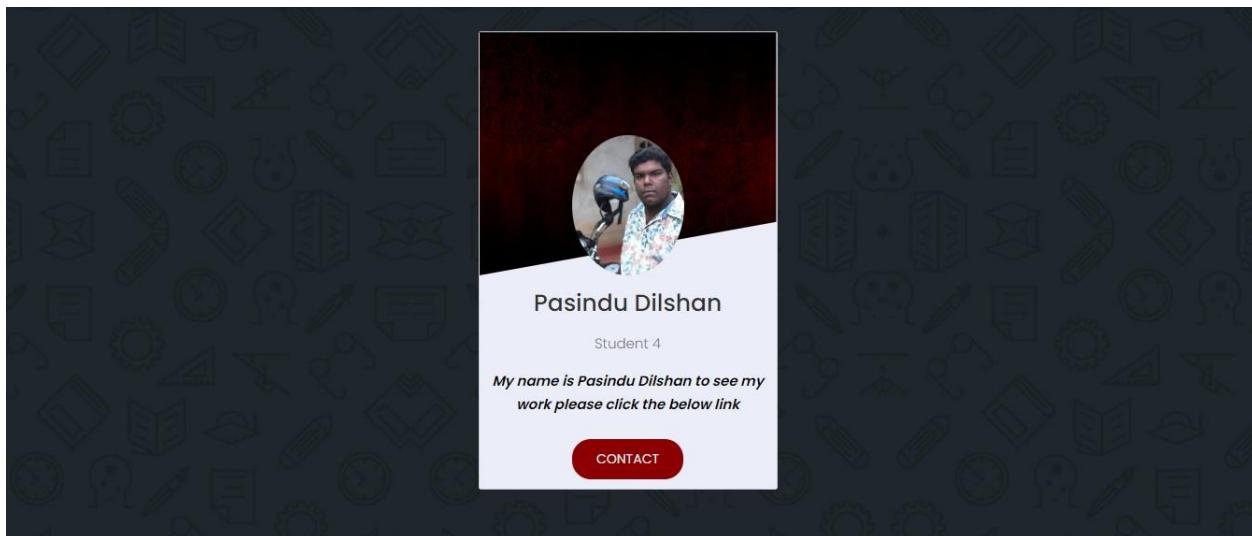


Figure 107

HTML Code

```
<div class="container">
    <h1 class="heading-1">Our Team </h1>
    <div class="card-wrapper">
        <div class="card">
            
            
            <h1>Gawes Gomes</h1>
            <p class="title">Student 1</p>
            <p class="about">
                My name is Gawes Gomes to see my work please click the below link
            </p>
            <a href="Gawes.html" class="btn"> Contact</a>
        </div>

        <div class="card">
            
            
            <h1>Ravindu Wellalage</h1>
            <p class="title">Student 2</p>
            <p class="about">
                My name is Ravindu Wellalage to see my work please click the
                below link
            </p>
            <a href="Ravindu.html" class="btn"> Contact</a>
        </div>

        <div class="card">
            
            
            <h1>Lahiru Thushan&nbsp;</h1>
            <p class="title">Student 3</p>
            <p class="about">
                My name is Lahiru Thushan to see my work please click
                the below link
            </p>
            <a href="Lahiru.html" class="btn"> Contact</a>
        </div>

        <div class="card">
            
```

Figure 108

```
            
            <h1>Pasindu Dilshan</h1>
            <p class="title">Student 4</p>
            <p class="about">
                My name is Pasindu Dilshan to see my work please click the
                below link
            </p>
            <a href="Pasindu.html" class="btn"> Contact</a>
        </div>
    </div>
```

Figure 109

The HTML code represents a website section titled "Our Team," which introduces the participants in a movie recommendation web page project. The section's goal is to portray the team in an engaging and visually appealing manner, enabling people to interact and contribute. A "Contact" button is a call to action for questions and feedback.

CSS Code

```
.card-wrapper{
  display: flex;
  align-items: center;
  align-content: center;
  flex-direction: column;
}

.card{
  width: 32rem;
  background-color: #e0e0ff;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  margin: 2rem 0;
  box-shadow: .5rem .5rem 3rem rgba(0,0,0,.2);
}

.card .card-image{
  width: 100%;
  height: 26rem;
  object-fit: cover;
  -webkit-clip-path: polygon(0 0, 100% 0,100% 78%,0% 100%);
  clip-path: polygon(0 0, 100% 0, 100% 78%, 0% 100%);
}

.profile-image{
  width: 12rem;
  height: 15rem;
  object-fit: cover;
  border-radius: 50%;
  margin-top: -15rem;
  z-index: 999;
  border: 1px solid #e0e0ff;
}

.card h1{
  font-size: 2.5rem;
  color:#333;
  margin: 1.5rem 0;
}
```

Figure 110

```
title{
    color: #777;
    font-size: 1.5rem;
    font-weight: 300;
}

about{
    font-size: 1.5rem;
    margin: 1.5rem 0;
    font-style: italic;
    text-align: center;
    color: black;
    font-weight: 600;
}

card .btn{
    padding: 1rem 2.5rem;
    background-color: darkred;
    border-radius: 2rem;
    margin: 1rem 0;
    text-transform: uppercase;
    color: white;
    font-size: 1.2rem;
}

card .btn:hover{
    transform: translateY(-2px);
    box-shadow: .5rem .5rem 2rem rgba(0,0,0,.2);
}

card .btn :active{
    transform: translateY(0);
    box-shadow: none;
}

@media screen and (min-width: 700px){
    card-wrapper{
        flex-direction: row;
        flex-wrap: wrap;
        justify-content: center;
        align-items: center;
    }
}
```

Figure 111

```
.card{  
    margin: 2rem;  
    transition: transform .5s;  
}  
  
@keyframes fadeIn {  
    from{  
        opacity: 0;  
    }  
    to{  
        opacity: 1;  
    }  
}  
  
.card:nth-child(1){  
    animation: fadeIn .5s .5s backwards;  
}  
.card:nth-child(2){  
    animation: fadeIn .5s 1s backwards;  
}  
.card:nth-child(3){  
    animation: fadeIn .5s 1.5s backwards;  
}  
.card:nth-child(4){  
    animation: fadeIn .5s 2s backwards;  
}  
  
.card:hover{  
    transform: scale(1.05);  
}
```

Figure 112

Student 4

Introduction:

The purpose of this project was to create a user's favorite list page that displays information about the user's past behavior using an AI model. The chosen topic for this demonstration is a Movie Recommendation System, showcasing a list of past-watched movies in a well-formed XML file. Additionally, a sign-up form for a personalized newsletter was created with JavaScript validation and a pop-up message for successful subscription.

User's Favorite List Page:

The user's favorite list page displays information about the user's past-watched movies. The information is stored in an XML file with a minimum of 10 items, including movie titles, genres, and release years. The page uses CSS to style and present the XML information in an organized and visually appealing manner.

JavaScript Functionality:

The user's favorite list page includes JavaScript functionality to change the background and text color. This feature is accessible through pulldown menus, allowing users to customize the page's appearance to their preferences.

Newsletter Subscription Form:

The project includes a sign-up form for users to subscribe to a personalized newsletter. The form requires the user's name and email address as compulsory input fields. JavaScript validation ensures that the compulsory fields are filled and that a valid email address is provided. If all information is correct, a pop-up message is displayed, confirming the successful subscription.

Editors' Page:

An editors' page is included in the project. This page is designed for content creators to manage and update the user's favorite list and newsletter content. Additional JavaScript functionalities have been implemented to enhance interactivity and improve ease of navigation.

Consistency of Web Style:

Throughout the website, consistency of web style is ensured by re-using an external style sheet created by Student 2. This helps maintain a cohesive and unified look across all pages, providing a seamless user experience.

4. Discussion of UX/UI principles/Applications/Justifications

4.1 Navigation Techniques

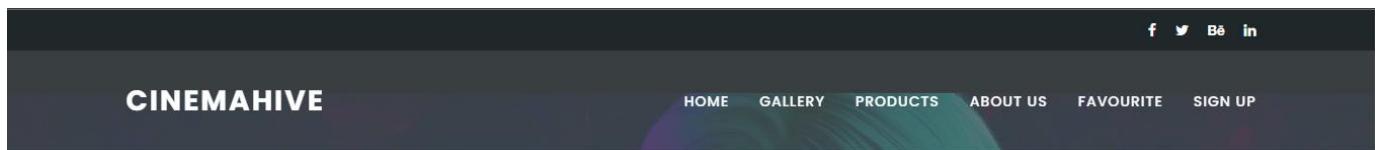


Figure 113



Figure 114

Users can access any webpage using this navigation bar. And it is really easy to use for everyone. User does not have to pass complicated steps to go through the webpages. Just click and go to the webpage user need. And user can identify the current webpage that he/she is using. Student 2 has used CSS modifications to identify the current webpage. When user can see the highlighted text in navigation bar, it says the current webpage of user.

- Main page



Figure 115

- Gallery page

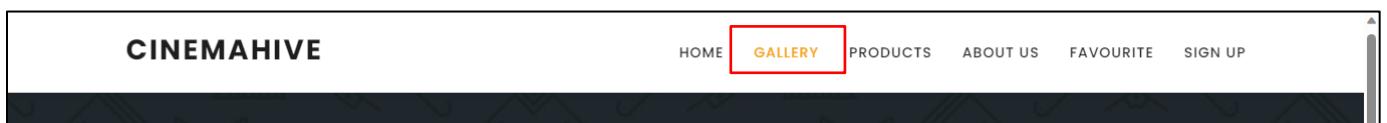


Figure 116

```

<header class="header-area header-sticky">
  <div class="container">
    <div class="row">
      <div class="col-12">
        <nav class="main-nav">
          <!-- ***** Logo Start ***** -->
          <a href="index.html" class="logo">
            Cinemahive
          </a>
          <!-- ***** Logo End ***** -->

          <!-- ***** Menu Start ***** -->
          <ul class="nav">
            <li class="scroll-to-section"><a href="#top" class="active">Home</a></li>

            <li class="scroll-to-section"><a href="../Gallery page/gallery.html">Gallery</a></li>

            <li class="scroll-to-section"><a href="">Products</a></li>

            <li class="scroll-to-section"><a href="">About Us</a></li>

            <li class="scroll-to-section"><a href="">Favourite</a></li>

            <li class="scroll-to-section"><a href="../Signup page/SIGNUP_PAGE.html" target="_blank">Sign Up</a></li>
          </ul>
          <a class='menu-trigger'>
            <span>Menu</span>
          </a>
          <!-- ***** Menu End ***** -->
        </nav>
      </div>
    </div>
  </div>
</header>

```

Figure 117

HTML code:

```

<header class="header-area header-sticky">
  <div class="container">
    <div class="row">
      <div class="col-12">
        <nav class="main-nav">
          <!-- ***** Logo Start ***** -->
          <a href="index.html" class="logo">
            Cinemahive
          </a>
          <!-- ***** Logo End ***** -->

          <!-- ***** Menu Start ***** -->
          <ul class="nav">
            <li class="scroll-to-section"><a href="#top" class="active">Home</a></li>

            <li class="scroll-to-section"><a href="../Gallery page/gallery.html">Gallery</a></li>

            <li class="scroll-to-section"><a href="">Products</a></li>

            <li class="scroll-to-section"><a href="">About Us</a></li>

            <li class="scroll-to-section"><a href="">Favourite</a></li>

            <li class="scroll-to-section"><a href="../Signup page/SIGNUP_PAGE.html" target="_blank">Sign Up</a></li>
          </ul>
          <a class='menu-trigger'>
            <span>Menu</span>
          </a>
          <!-- ***** Menu End ***** -->
        </nav>
      </div>
    </div>
  </div>
</header>

```

Figure 118

CSS snippets

```
.container {  
    width: 900px;  
    background: #fff;  
    margin: 0 auto;  
    box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    -moz-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    -webkit-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    -o-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    -ms-box-shadow: 0px 15px 16.83px 0.17px rgba(0, 0, 0, 0.05);  
    border-radius: 20px;  
    -moz-border-radius: 20px;  
    -webkit-border-radius: 20px;  
    -o-border-radius: 20px;  
    -ms-border-radius: 20px; }
```

Figure 119

```
.row{  
    display: flex;  
    height: 100vh;  
    align-items: center;  
    justify-content: center;  
}
```

Figure 120

```
.header-area .main-nav .menu-trigger span,  
.header-area .main-nav .menu-trigger span:before,  
.header-area .main-nav .menu-trigger span:after {  
    -moz-transition: all 0.4s;  
    -o-transition: all 0.4s;  
    -webkit-transition: all 0.4s;  
    transition: all 0.4s;  
    background-color: #1e1e1e;  
    display: block;  
    position: absolute;  
    width: 30px;  
    height: 2px;  
    left: 0;  
}
```

Figure 121

```
.sub-header .left-content p {
  color: #fff;
  padding: 8px 0px;
  font-size: 13px;
}

.sub-header .right-icons {
  text-align: right;
  padding: 8px 0px;
}

.sub-header .right-icons ul li {
  display: inline-block;
  margin-left: 15px;
}

.sub-header .right-icons ul li a {
  color: #fff;
  font-size: 14px;
  transition: all .3s;
}

.sub-header .right-icons ul li a:hover {
  color: #f5a425;
}

.sub-header .left-content p em {
  font-style: normal;
  color: #f5a425;
}
```

Figure 122

4.2 Color balance/selection/consistency

We were inspired to use only a few colors in creating our web page. Because it can keep the consistency of the web page at the same level.

Background Used

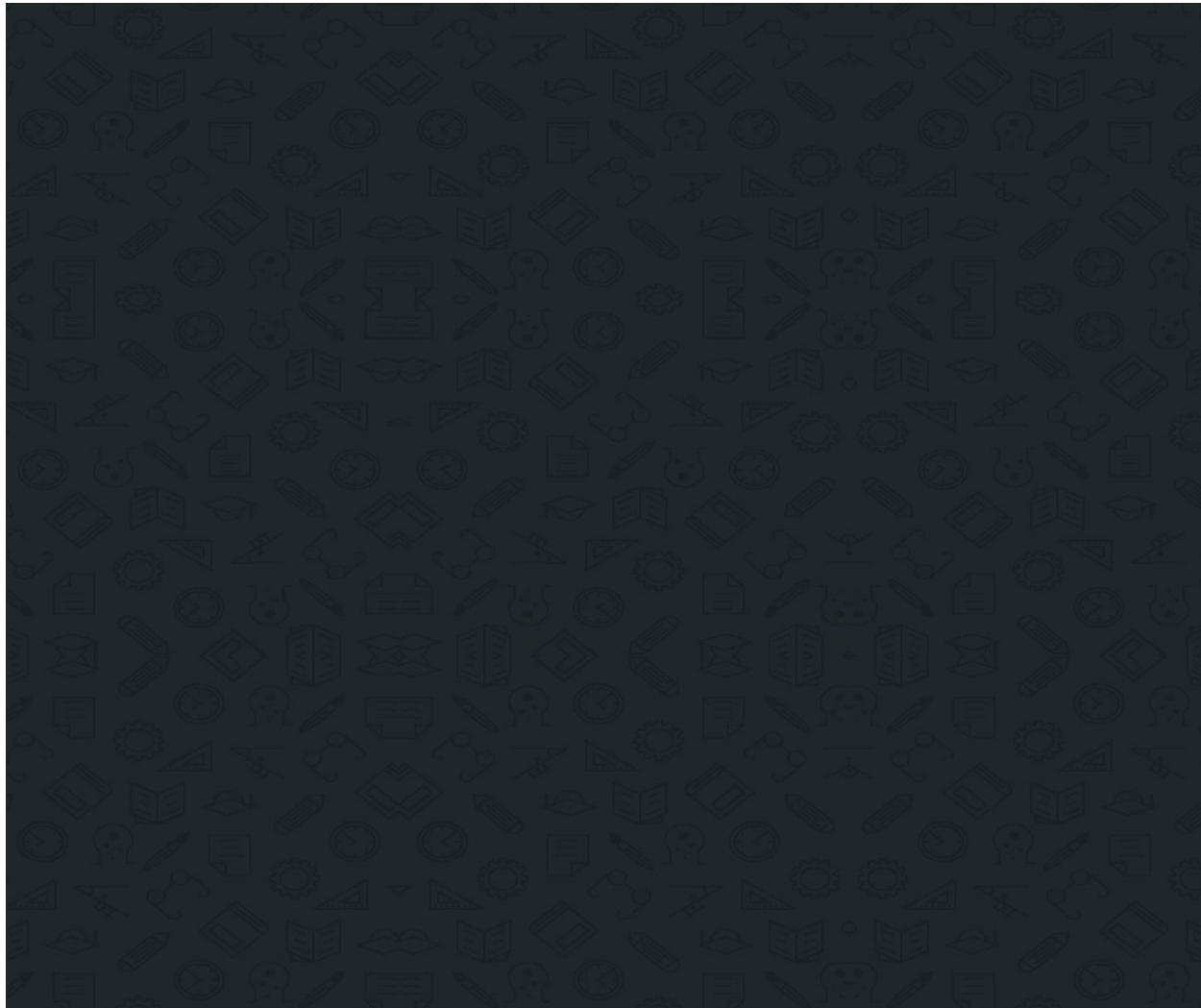


Figure 123

Navigation Bar

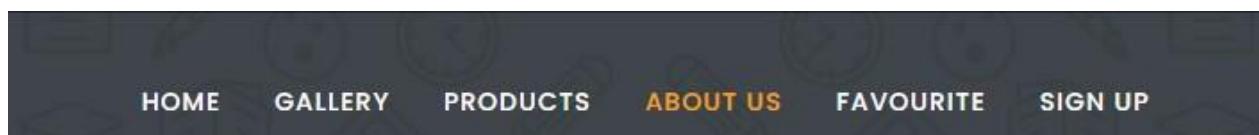


Figure 124

Start Now Button



Figure 125

Cart

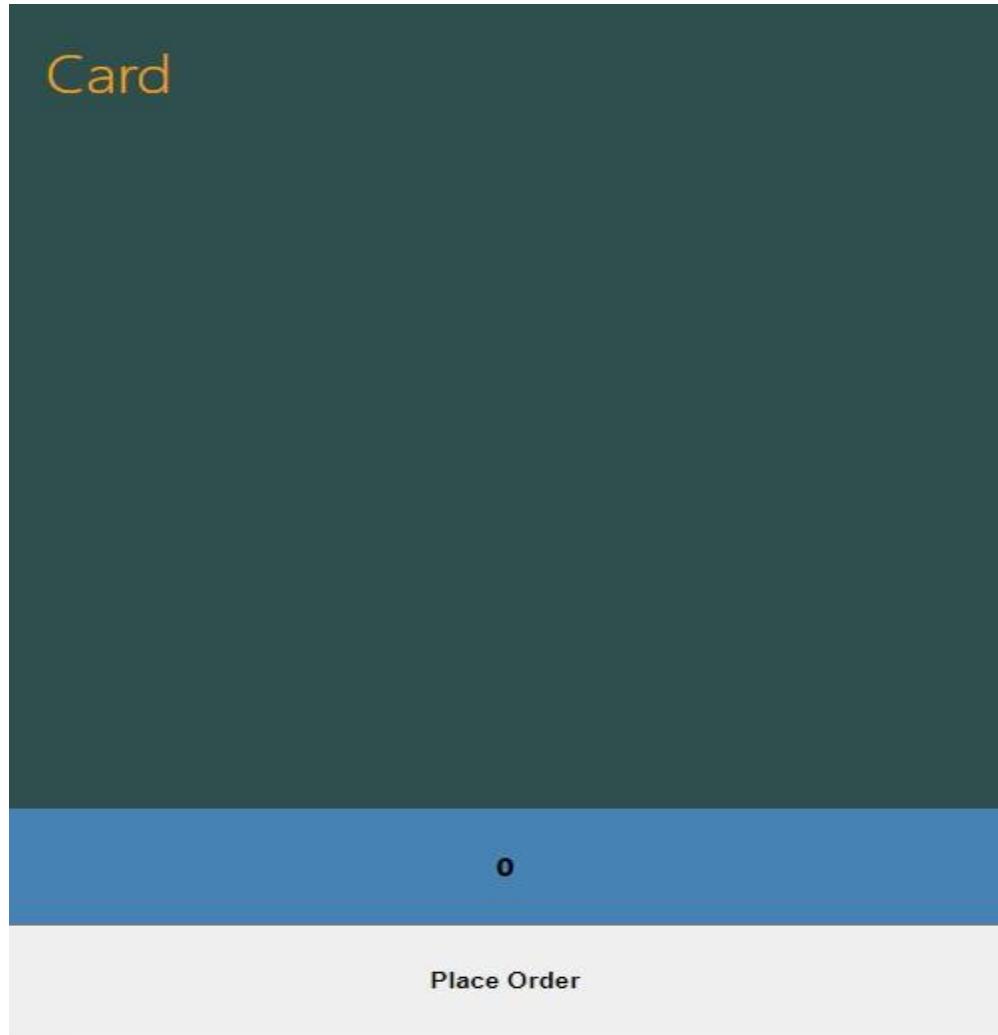


Figure 126

CSS Used:

Background Image

```
body{  
    background-image: url(assets/images/meetings-page-bg.jpg);  
  
}  
  
p{  
    color: #aliceblue;  
}
```

Figure 127

Container-Cart Explore Button

```
.card-cart a{  
    background-color: #darkred;  
    color: #white;  
    padding: 15px 20px;  
    display: block;  
    text-align: center;  
    margin: 20px 50px;  
    text-decoration: none;  
    border-radius: 10px;  
}
```

Figure 128

Cart-Card

```
.card[]  
    position: fixed;  
    top: 0;  
    right: -100%;  
    width: 500px;  
    background-color: #darkslategrey;  
    height: 95vh;  
    transition: 0.5s;
```

Figure 129

Card h1

```
.card h1{  
    color: orange;  
    font-weight: 200;  
    margin: 0;  
    padding: 0 20px;  
    height: 80px;  
    display: flex;  
    align-items: center;  
}
```

Figure 130

4.3 Color Contrast Test

Main Page

Foreground Colour: <div style="background-color: #F0F8FF; width: 150px; height: 20px;"></div> Red: <div style="width: 150px;"><div style="width: 10%;"></div></div> Green: <div style="width: 150px;"><div style="width: 10%;"></div></div> Blue: <div style="width: 150px;"><div style="width: 10%;"></div></div> Hue (*): <div style="width: 150px;"><div style="width: 10%;"></div></div> Saturation (%): <div style="width: 150px;"><div style="width: 10%;"></div></div> Value (%): <div style="width: 150px;"><div style="width: 10%;"></div></div>	Background Colour: <div style="background-color: #808080; width: 150px; height: 20px;"></div> Red: <div style="width: 150px;"><div style="width: 10%;"></div></div> Green: <div style="width: 150px;"><div style="width: 10%;"></div></div> Blue: <div style="width: 150px;"><div style="width: 10%;"></div></div> Hue (*): <div style="width: 150px;"><div style="width: 10%;"></div></div> Saturation (%): <div style="width: 150px;"><div style="width: 10%;"></div></div> Value (%): <div style="width: 150px;"><div style="width: 10%;"></div></div>	Results <p>This is example text. Some of it bolded. <i>Some of it italicized.</i></p> <table border="1"><tr><td>Brightness Difference: (>= 125)</td><td>118.40</td></tr><tr><td>Colour Difference: (>= 500)</td><td>359</td></tr><tr><td>Are colours compliant?</td><td>NO</td></tr><tr><td>Contrast Ratio</td><td>3.681</td></tr><tr><td>WCAG 2 AA Compliant</td><td>NO</td></tr><tr><td>WCAG 2 AA Compliant (18pt+)</td><td>YES</td></tr><tr><td>WCAG 2 AAA Compliant</td><td>NO</td></tr><tr><td>WCAG 2 AAA Compliant (18pt+)</td><td>NO</td></tr></table>	Brightness Difference: (>= 125)	118.40	Colour Difference: (>= 500)	359	Are colours compliant?	NO	Contrast Ratio	3.681	WCAG 2 AA Compliant	NO	WCAG 2 AA Compliant (18pt+)	YES	WCAG 2 AAA Compliant	NO	WCAG 2 AAA Compliant (18pt+)	NO
Brightness Difference: (>= 125)	118.40																	
Colour Difference: (>= 500)	359																	
Are colours compliant?	NO																	
Contrast Ratio	3.681																	
WCAG 2 AA Compliant	NO																	
WCAG 2 AA Compliant (18pt+)	YES																	
WCAG 2 AAA Compliant	NO																	
WCAG 2 AAA Compliant (18pt+)	NO																	

Figure 131

Cart

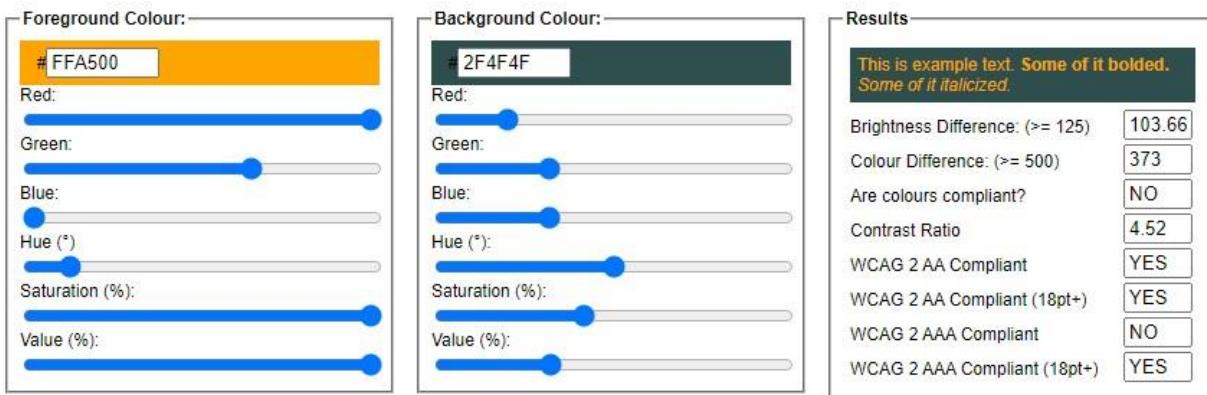


Figure 132

Card



Figure 133

Editor's Page

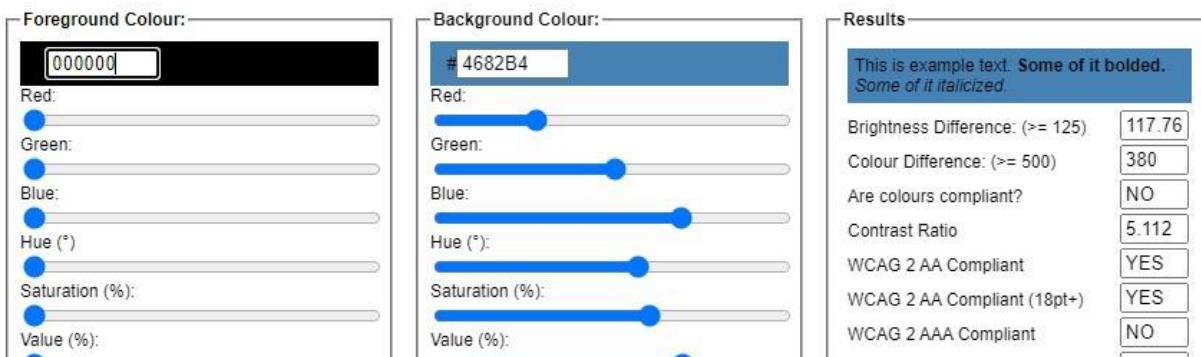


Figure 134

Quiz

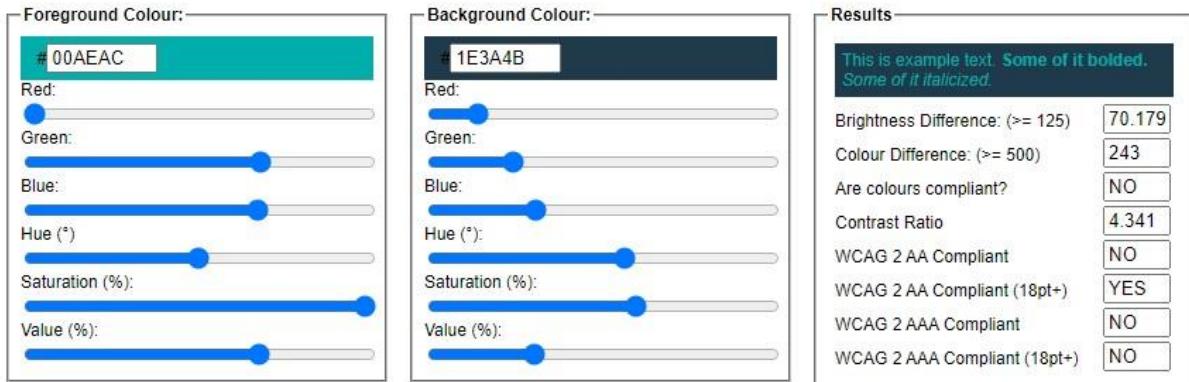


Figure 135

About Us



Figure 136

4.4 Typography / consistency

Explain the fonts, font sizes (refer x-heights), colors and styles you used to ensure the proposed web site is appealing and suitable for its purpose and at the same time legible.

- Home

Font Styles

```
<link href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,500,600,700,800,900" rel="stylesheet">
```

Figure 137

```
font-family: 'Poppins', sans-serif;
```

Figure 138

Font size

Body	<code>font-size: 16px;</code>
Main button Red	<code>font-size: 13px;</code>
Main button	<code>font-size: 13px;</code>
Heading 2	<code>font-size: 22px;</code>
Sub header	<code>font-size: 13px;</code>

- Store
Store has used the same as main page font.
- Gallery
Store has used the same as main page font.
- Favorite
Store has used the same as main page font.
- About us
Store has used the same as main page font.

4.5 Accessibility

Accessibility Techniques

Meta Tags

```
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">
<meta name="description" content="">
<meta name="author" content="TemplateMo">
<link
href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,500,600,700
,800,900" rel="stylesheet">
```

Figure 139

Meta elements in HTML provide essential information about the content, including character encoding (charset), preferred viewports, and a summary of the page (description). These tags help information be correctly interpreted and processed by assistive devices.

Alternative Text (ALT Text)

```


<h1>Gawes Gomes</h1>
<p class="title">Student 1</p>
<p class="about">My name is Gawes Gomes to see my work please click the below link</p>
```

Figure 140

```
<div class="card-cart">
    
    <h2> Movies</h2>
    <p>Lights, camera, action! Immerse yourself in the captivating world of movies with our extensive collection. Experience the thrill of adventure, indulge in heartwarming stories, and get lost in the magic of cinema. Whether you seek entertainment, inspiration, or a shared experience, our movie collection is your ticket to a captivating journey through the silver screen.</p>
    <a href="movieCart.html"> Explore</a>
</div>
```

Figure 141

Font Size Controls

```
<div >
    <button id="decreaseFontButton" >-</button>
    <button id="increaseFontButton" >+</button>
</div>
```

Figure 142

Links With Descriptive Text

```
<li class="scroll-to-section"><a href="">Products</a></li>
<li class="scroll-to-section"><a href="" class="active">About Us</a></li>
<li class="scroll-to-section"><a href="">Favourite</a></li>
<li class="scroll-to-section"><a href="">Sign Up</a></li>
```

Figure 143

Form Accessibility

```

<form method="POST" action="" name="feedback" onsubmit="return validateForm()">
    <div class="row">
        <div class="col-25">
            <label for="fname">Name</label>
        </div>

```

Figure 144

```

<
<div class="details" id="formdata">
    <h1 id="header1">Personal Details</h1>
    <br>
    <input type="text" id="firstname" placeholder="First Name">
    <input type="text" id="lastname" placeholder="Last Name">
    <input type="email" id="email" placeholder="E-mail">
    <input type="tel" id="telno" placeholder="0123456789">
    <input type="text" id="address" placeholder="Delivery Address">
    <h1 id="header2" class="form">Payment Details</h1>
    <br>
    <input type="text" id="cardname" placeholder="CardHolder's Name">
    <input type="text" id="cardnumber" placeholder="1111-2222-3333-4444
    (consist of 12 digits)">
    <input type="datetime" id="expyear" placeholder="Expiry Date (MM/YYYY)">
    <input type="submit" Value="Submit" onclick="ValidateMessage()">
</div>

```

Figure 145

The form Method Was Created So The Users Can Easily Recognize The Process.

4.6 Accessibility Test

Signup Page

Note :

- We got 7 of similar errors that says “A form label is present, but does not contain any content” and we cannot solve these errors because these are some icons that we have designed using css for modify our webpage. Also we have not used these icons to show any content. We just made this only to make our website neatly. But this Web Accessibility Evaluation Tool doesn’t get that case correctly.

WAVE
web accessibility evaluation tool

powered by WebAIM

Styles: OFF ON

Summary

Category	Count	Description
Errors	7	
Contrast Errors	0	
Alerts	4	
Features	6	
Structural Elements	2	
ARIA	0	

[View details >](#)

Preferences

Movie Category: Action Drama Thriller

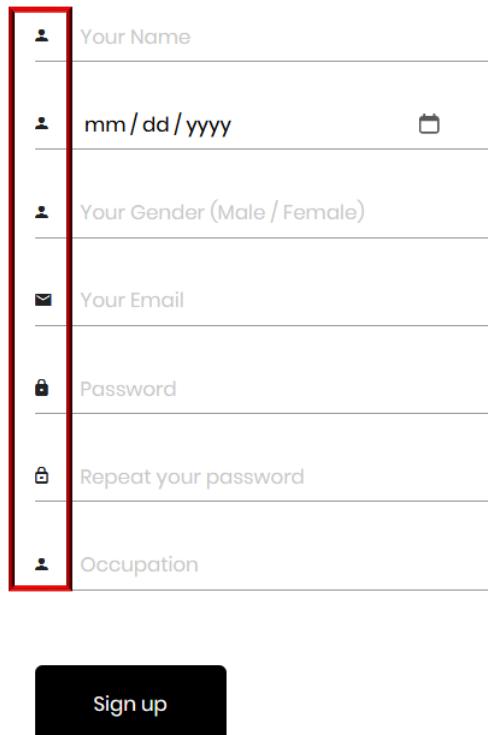
Movie Type: Hollywood Kollywood

Your Mood: Happy Sad

Code

Figure 146

Sign up



The form consists of seven input fields:

- Your Name
- mm / dd / yyyy
- Your Gender (Male / Female)
- Your Email
- Password
- Repeat your password
- Occupation

A red vertical bar is positioned to the left of the first four input fields.

Sign up

Figure 147

Gallery Page

The screenshot shows the WAVE web accessibility evaluation tool interface. On the left, a summary panel displays the following counts:

- Errors: 3
- Contrast Errors: 13
- Alerts: 5
- Features: 1
- Structural Elements: 9
- ARIA: 0

A "View details" button is located at the bottom of this panel. The main page area has a dark background with a repeating pattern of various icons. Overlaid on this are several text labels and small interactive elements, such as "ACTION", "ROMANTIC", "COMEDY", "HORROR", "SCI - FY", and "Code". Each label is accompanied by a small icon and a "Click Here..." button.

Figure 148

Note :

There are only 3 contrast errors of this web page but we use dark background and light font colour.

4.7 Site Diagram

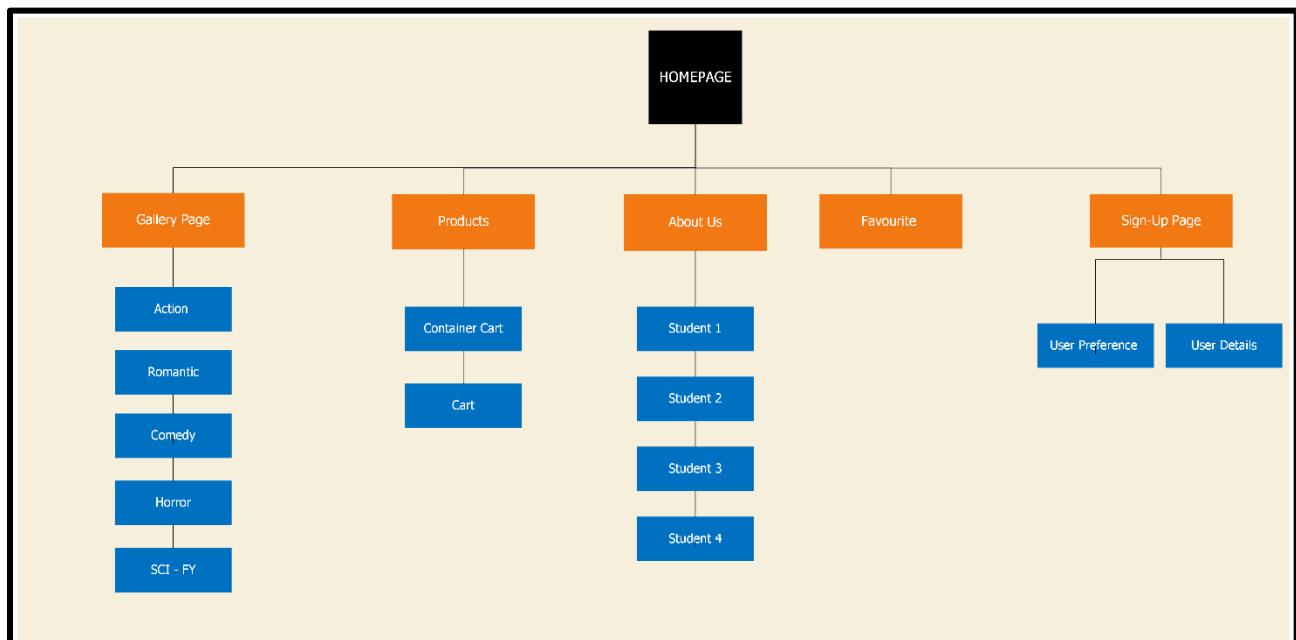


Figure 149

5. Self-Reflection

Working on the group web technology assignment was challenging but rewarding, as it provided great insights into web development and teamwork through collaboration with four team members. Identifying clear objectives and maintaining open communication were critical during those initial phases. Being proactive in sharing ideas and soliciting feedback aided the project's progress.

One of the most interesting parts of this experience was the opportunity to make the most on each team member's specific skills. Each team member brought a unique skill set to the table, allowing us to efficiently tackle various elements of the project. Learning with my peers and sharing knowledge with them allowed me to develop not only technical abilities.

In reflection, I am pleased with the progress I made throughout our group web technology task. It has taught me the importance of working together, effective communication, modification, and learning from both achievements and failures. We also held zoom sessions as well as physical meetings to discuss our concerns with one another, and we go through our lecture slides, other educational sites, and got support from our senior students to complete this work. As we near the end of our project, I'm looking forward to proudly presenting our work, knowing that we've put our best efforts into building an interesting and effective web page.

6. References

- *Learn to code (no date) W3Schools Online Web Tutorials. Available at: <https://www.w3schools.com/> (Accessed: 27 July 2023).*
- *FreeCodeCamp.org (no date) freecodecamp.org. Available at: <https://www.freecodecamp.org/> (Accessed: 27 July 2023).*
- *FreeCodeCamp.org (no date) freecodecamp.org. Available at: <https://www.freecodecamp.org/> (Accessed: 27 July 2023).*
- *FreeCodeCamp.org (no date) freecodecamp.org. Available at: <https://www.freecodecamp.org/> (Accessed: 27 July 2023).*
- *FreeCodeCamp.org (no date) freecodecamp.org. Available at: <https://www.freecodecamp.org/> (Accessed: 27 July 2023).*

Appendix: Screenshots

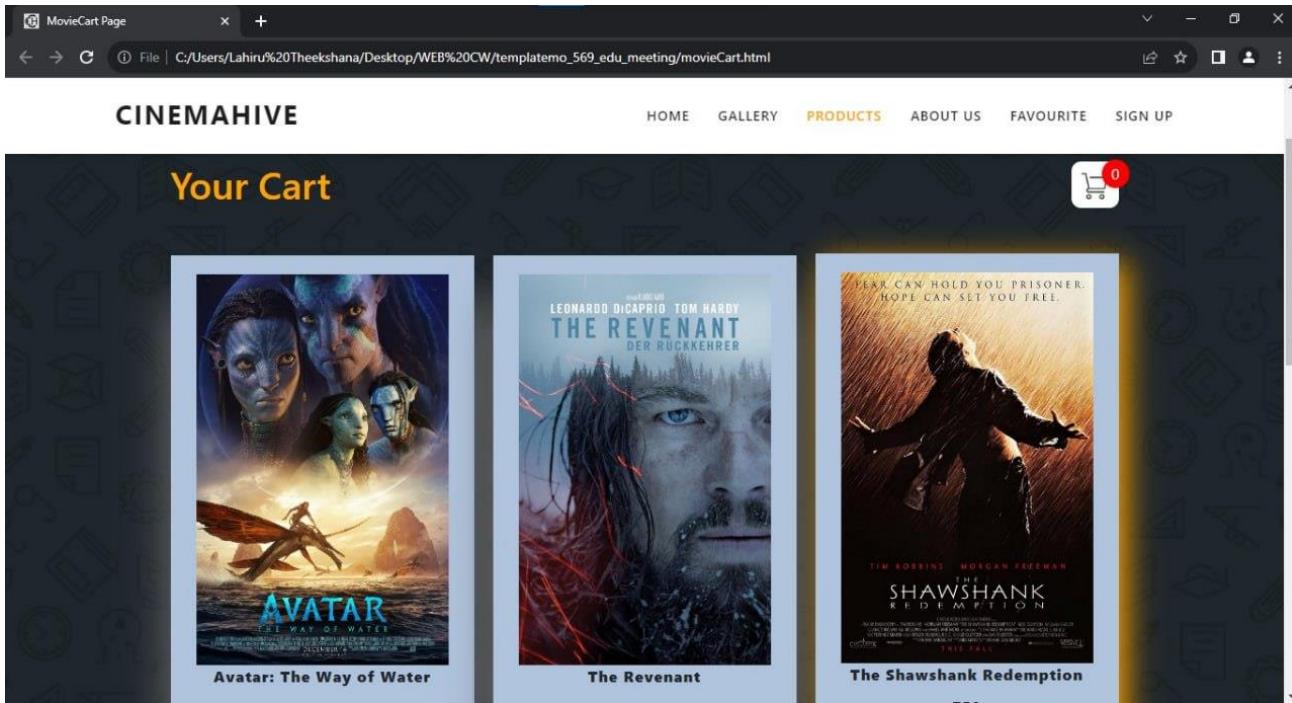


Figure 150

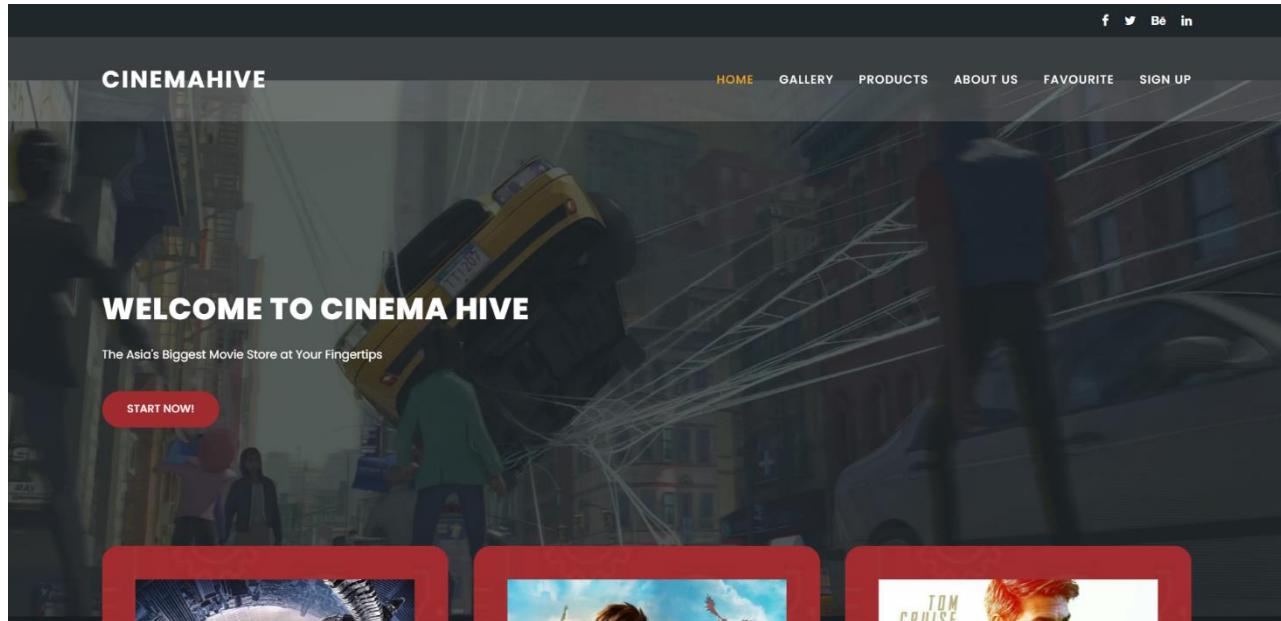


Figure 151

Sign up

Your Name

mm/dd/yyyy

Your Gender (Male / Female)

Your Email

Password

Repeat your password

Occupation

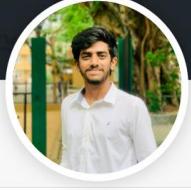


Sign up

Figure 152

CINEMAHIVE

HOME GALLERY PRODUCTS ABOUT US FAVOURITE SIGN UP



STUDENT - 01

Name | Gawesh Gomes
email | gawesh.20220578@iit.ac.lk
Age | 18
City | Mount-Lavinia

Figure 153