

Website Implementation Report

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Introduction

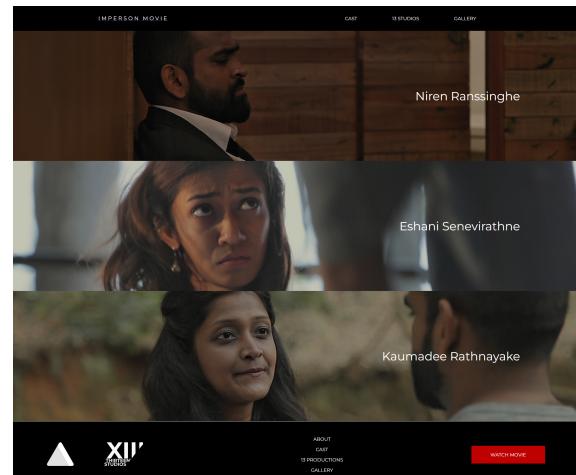
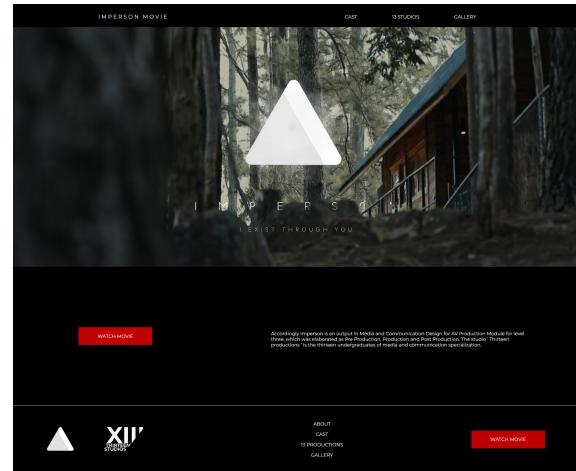
The website I implemented is the website for a short movie named IMPERSON. This is a futuristic Sci-Fi Horror movie that i have been a part of. After doing the Website design in Figma, the next stage was to implement the website using HTML, CSS and javascript. In this report, the process of implementing the website is detailedly and explained. All the coding was done in VS code using a live server and used google chrome as the web browser.

The structure of the website

This website contained 5 different types of web pages. (Homepage, Cast, 13 Studios, Gallery and 13 studios contact page) All the pages contained a header with navigation, Body content and the Footer section with navigation.

Homepage

The homepage has 2 body sections the first section contains a background video - a collection of movie clips from the movie. And the 2nd section contains a “watch movie” button and a small description of the movie. The button is animated when hovering.

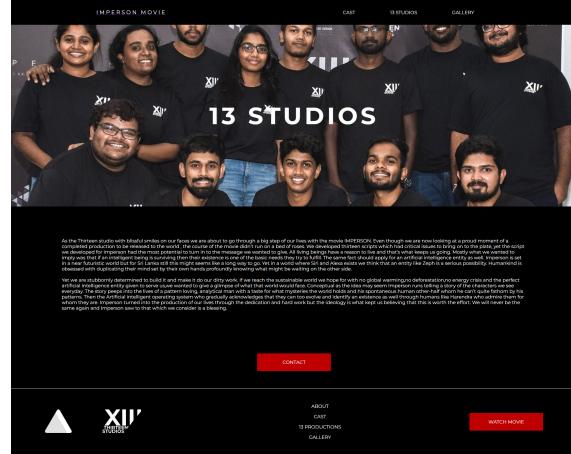


Cast Page

The cast page contains 3 sections with photo backgrounds with text. The sections expand and reveal the whole picture when hovering.

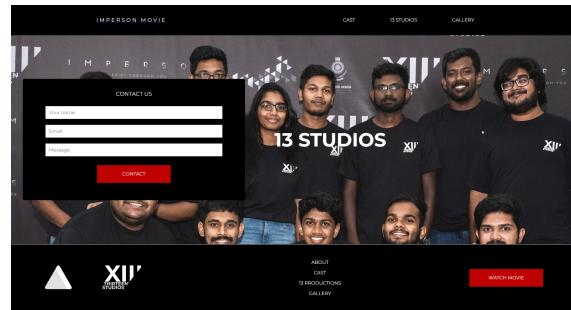
13 Studios page

This page contains a photo background of the crew with animated hover text in front of it. And in the next section, there is a description of the crew and a contact button that links to the contact page.



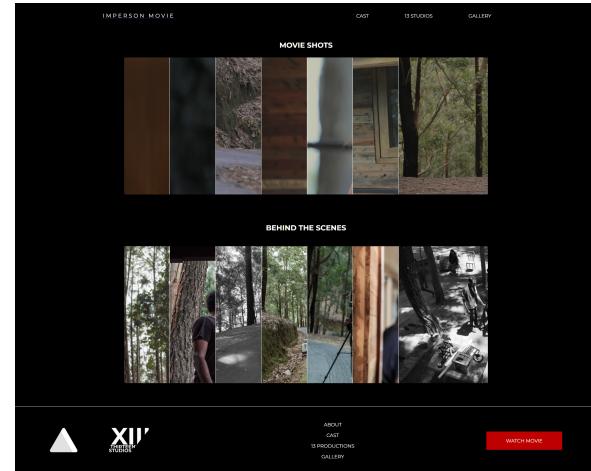
Contact page

This page contains a form to contact 13 studios by adding a name, email and message and a button to send details via email.



Gallery page

This page contains two CSS galleries that will respond to hovering. When hovering on a specific picture, other pictures will move and revile the picture.



Use of HTML

HTML was used to add content to the website nad there are one separate HTML files page. The page sections are divided using `<nav>`, `<div>` and `<footer>` tags. The `` and `` was used to to create navigation bar and the navigation in the footer section. In the homepage the video were added using `<video>` and experimented with adding audio by using `<audio>` (code is commented in the source code)

```
CODE 2 > index.html > HTML > head
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <link rel="preconnect" href="https://fonts.googleapis.com">
8      <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
9      <link href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;400;600;800;900&display=swap" rel="stylesheet">
10     <title>navigation</title>
11     <link rel="stylesheet" href="style.css">
12 </head>
13 <body>
14     <script src="nav.js"></script>
15     <!-- audio autoplay src="sounds/sound_1.mp3"></audio> -->
16     <nav>
17         <div class="logo">
18             <a href="#index.html">IMPERSON MOVIE</a>
19         </div>
20         <ul class="nav-links">
21             <li><a href="about.html">ABOUT</a></li> <br>
22             <li><a href="cast.html">CAST</a></li> <br>
23             <li><a href="13studio.html">13 STUDIOS</a></li> <br>
24             <li><a href="gallery.html">GALLERY</a></li>
25         </ul>
26         <div class="burger">
27             <div class="line1"></div>
28             <div class="line2"></div>
29             <div class="line3"></div>
30         </div>
31     </nav>
32     <div class="videoindex">
33         
34         <!-- H2 IMPERSON MOVIE-->
35         <div class="video-containner">
36             <h2>IMPERSON MOVIE</h2>
37             <div>
38                 <video autoplay loop poster="Photos/2.jpg" >
39                     <source src="Movie_clips/video.mp4" type="video/mp4">
40                 </video>
41             </div>
42         </div>
43     </div>
44 </body>
45 </html>
46 <div class="team">
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
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77
78
79
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84
85
86
87
88
89
90
91
92
93
94
95
96 </div>
```

Use of CSS

All the styling was done in CSS. the style.css file contains all the styling for the whole website.

Responsive navigation

The responsive navigation bar was done using media queries as a 2 step screen size reduction. And the hamburger menu was added using JS. and added a hover animation to expand the navbar when hovering.

Animated button

The animated button was completely done in CSS. And I using the hover function.

```
89 90  v @media screen and (max-width:1100px){  
91 92  .nav-links{  
93  |   width: 40%;  
94  | }  
95  }  
96  
97 98  v @media screen and (max-width:768px) {  
99 99  body{  
100 |   overflow-x: hidden;  
101 }  
102 103  .nav-links{  
104 |   position: absolute;  
105 |   right: 0px;  
106 |   height: 50vh;  
107 |   top: 8vh;  
108 |   background-color: □rgb(37, 37, 37);  
109 |   display: flex;  
110 |   flex-direction: column;  
111 |   align-items: center;  
112 |   width: 50%;  
113 |   transform: translateX(100%);  
114 |   transition: transform 0.3s ease-in;  
115 |   opacity: 100%;  
116 |   border: solid □white;  
117 }  
118 119  .nav-links li{  
120 |   opacity: 100%;  
121 }  
122 123  .burger{  
124 |   display: block;  
125 |   cursor: pointer;  
126 }
```

CSS Gallery

This gallery was completed only using CSS

```
257 258  v .bts li {  
259 |   position: relative;  
260 |   width:150px;  
261 |   height:450px;  
262 |   float:left;  
263 |   border-left:1px solid □white;  
264 |   -webkit-transition:all □white 0.7s;  
265 |   -moz-transition:all 0.7s;  
266 |   transition:all 0.7s;  
267 }  
268  
269 270  v .bts ul li:first-child {  
271 |   border:none;  
272 }  
273  
274 275  
276 277  v .bts img {  
278 |   height:450px;  
279 }  
280  
281 282  v .bts ul:hover li {  
283 |   width: 20px;  
284 }  
285  
286 287  v .bts ul li:hover {  
288 |   width: 80px;  
289 }
```

Use of JS

Responsive navigation

Responsive navigation was done by using CSS and JS . when the navigation is getting to a certain point the navigation bar disappear and a hamburger menu will appear as a menu.

```
CODE 2 > JS nav.js > ...
1  const navslide = () => {
2      const burger = document.querySelector('.burger');
3      const nav = document.querySelector('.nav-links');
4      const navLinks = document.querySelectorAll(".nav-links li");
5
6      // toggle nav
7      burger.addEventListener('click', () => {
8          nav.classList.toggle('nav-active');
9
10         // animate links
11         navLinks.forEach((link, index) => {
12             if(link.style.animation){
13                 link.style.animation = '';
14             } else {link.style.animation = 'navLinkFade 0.5s ease forwards ${index}
15             }
16
17         });
18         // burger animation
19         burger.classList.toggle('toggle');
20     });
21
22
23
24 }
25
26 navslide();
```

Emailing a message in the contact form

Here I used an SMTPJS server to send out an email containing the message name and the email address. I included this in the contact.html file.

```
43 <script src="https://smtpjs.com/v3/smtp.js"></script>
44 <script>
45   function sendemail(){
46     Email.send({
47       Host : "smtp.google.com",
48       Username : "dayananda1",
49       // fake password , :p
50       Password : "password",
51       To : 'g.senarath@uqconnect.edu.au',
52       From : document.getElementById("email").value,
53       Subject : "Contact imperson movie",
54       Body : document.getElementById(message).value,
55     }).then(
56       message => alert(message)
57     );
58   }
59 </script>
```

Conclusion

With this completed 5 page website, the hardest part was to get a similar look/arrangement of elements to the website design. The arrangements were harder when coding. In the process, I have tried a grid layout system but it does not get the task any easier. Overall the coding experience was good when things come to the web page as I predicted.