



## **Final Report**

**01286233 Web Programming  
Software Engineering Program  
Faculty of Engineering, KMITL**

**By**

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## **Project Description:**

This project focuses on improving a webpage designed with software engineering students in mind. We've made the page more user-friendly and efficient for students who want to share their thoughts on the SE Forum and reserve co-working spaces.

Our goal is to create a seamless experience for software engineering enthusiasts. With these enhancements, students can now effortlessly navigate the webpage, posting their ideas on the SE Forum with just a few clicks. Additionally, we've simplified the process of booking co-working spaces, making it convenient for students to find and secure the spaces they need.

**Github: [https://github.com/NaNiCatO/Project\\_web](https://github.com/NaNiCatO/Project_web)**

## **Frontend**

### **HTML, CSS and JavaScript**

After a thorough and extended planning phase, we have decided to leverage HTML, CSS, and JavaScript as our front-end framework. This choice is driven by several key factors that align with our project goals and requirements.

## **Backend**

### **Database: ZODB**

Coding the Database of our project involves leveraging Python, with ZODB (Zope Object Database) serving as the backbone. This strategic choice is informed by several considerations aligning with the project's development objectives.

### **FastAPI: Templating Ninja**

Our project leverages FastAPI, a high-performance Python web framework, in conjunction with Jinja, a powerful templating engine. FastAPI's asynchronous capabilities ensure efficient handling of concurrent requests and automatic API documentation generation. Meanwhile, Jinja facilitates dynamic HTML rendering, allowing seamless integration of dynamic content within HTML templates. This strategic combination ensures a clean separation of concerns, with FastAPI managing API requests and Jinja handling the presentation layer. This approach not only enhances responsiveness and documentation but also provides flexibility and extensibility for our web application's development and adaptation to evolving requirements.

## Screenshots

### SE Webpage

The screenshot shows the homepage of the Software Engineering International College website. The header features a large orange infinity symbol logo. The main title "Software Engineering" is prominently displayed in white. Below it is a "About us" section with a detailed description of software engineering as an engineering discipline. Two orange buttons at the bottom are labeled "MORE OF US" and "STUDY CONTENT". The footer contains links for "PROGRAM", "ADMISSION", "EVENT&NEWS", "ABOUT", and a user icon.

**Software Engineering**

**About us**

Software engineering (SE) is an engineering discipline concerning all aspects of software production, including software analysis, design, development, testing, and deployment. SE requires profound abstract and logical thinking and the application of mathematics, logic, and computer science in order to produce efficient and reliable software with the available resources.

MORE OF US    STUDY CONTENT

PROGRAM    ADMISSION    EVENT&NEWS    ABOUT

**TCAS ROUND1**

Software Engineering – 2023 TCAS Round 1 Featured

See more

< >



PROGRAM ADMISSION EVENT&NEWS ABOUT

**Event&News**

---



**Detail**



**AGODA OPEN HOUSE 2023**

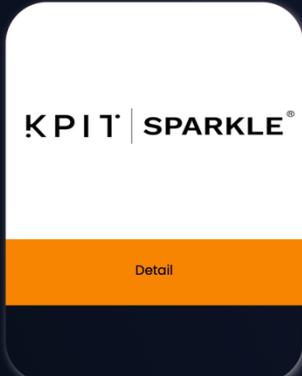
Fast track your application for the 2024 Summer Internship!

4 Nov 2023 | 10:00-14:00 at Agoda Central Tower @CTW

**Agoda Open house**

Fast track you application for the 2024 Summer Internship 4 Nov 2023 at Agoda Central Tower

[Read more](#)



**Detail**





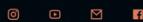
PROGRAM ADMISSION EVENT&NEWS ABOUT

**Our Building**

---



**KMITL**  
Contact Us





**HM**

⑧ 3 Thanon Chalong Krung, Lat Krabang, Bangkok 10520  
ເມືອງຫາວນ, ລາວ ປະເທດ ລາວ

ເລ. 02 329 8000



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ເລ. 02 329 8000



## Program choice

Software Engineer

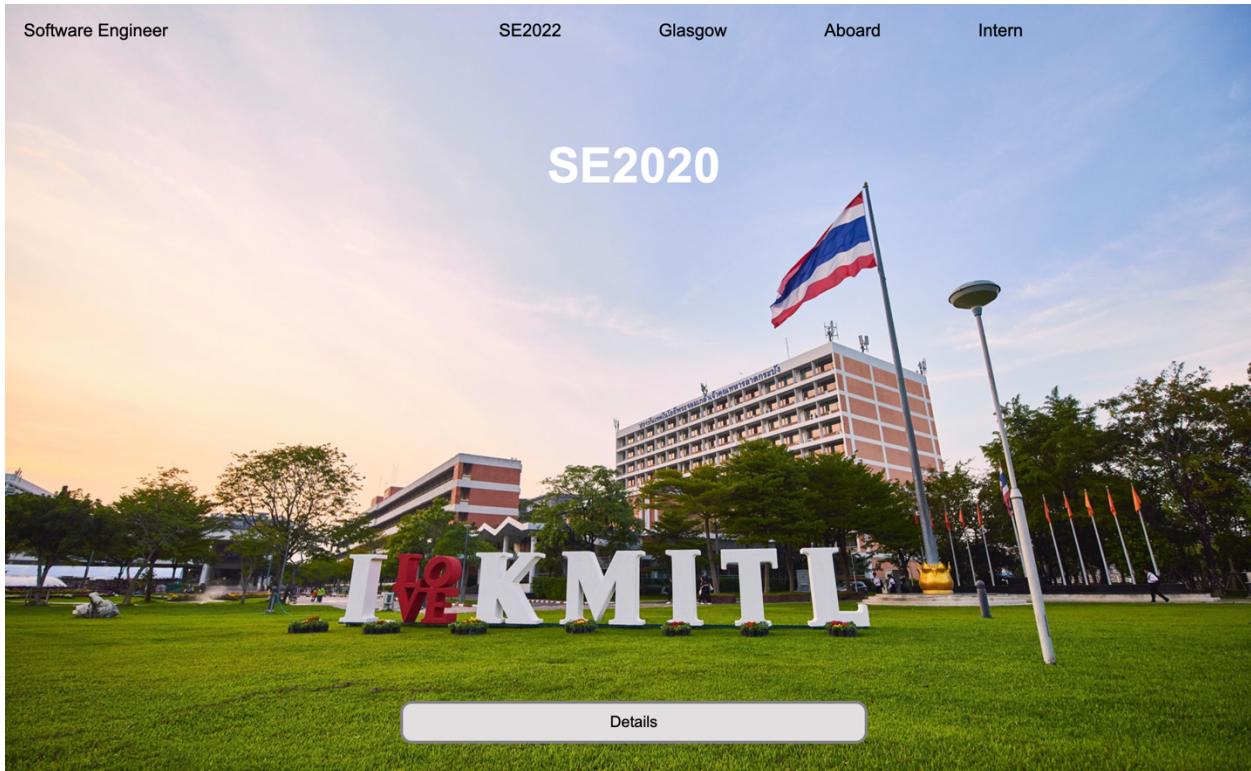
SE2022

Glasgow

Aboard

Intern

SE2020



Software Engineer

SE2022

Glasgow

Aboard

Intern



Software Engineer

SE2022

Glasgow

Aboard

Intern



Details

Software Engineer

SE2022

Glasgow

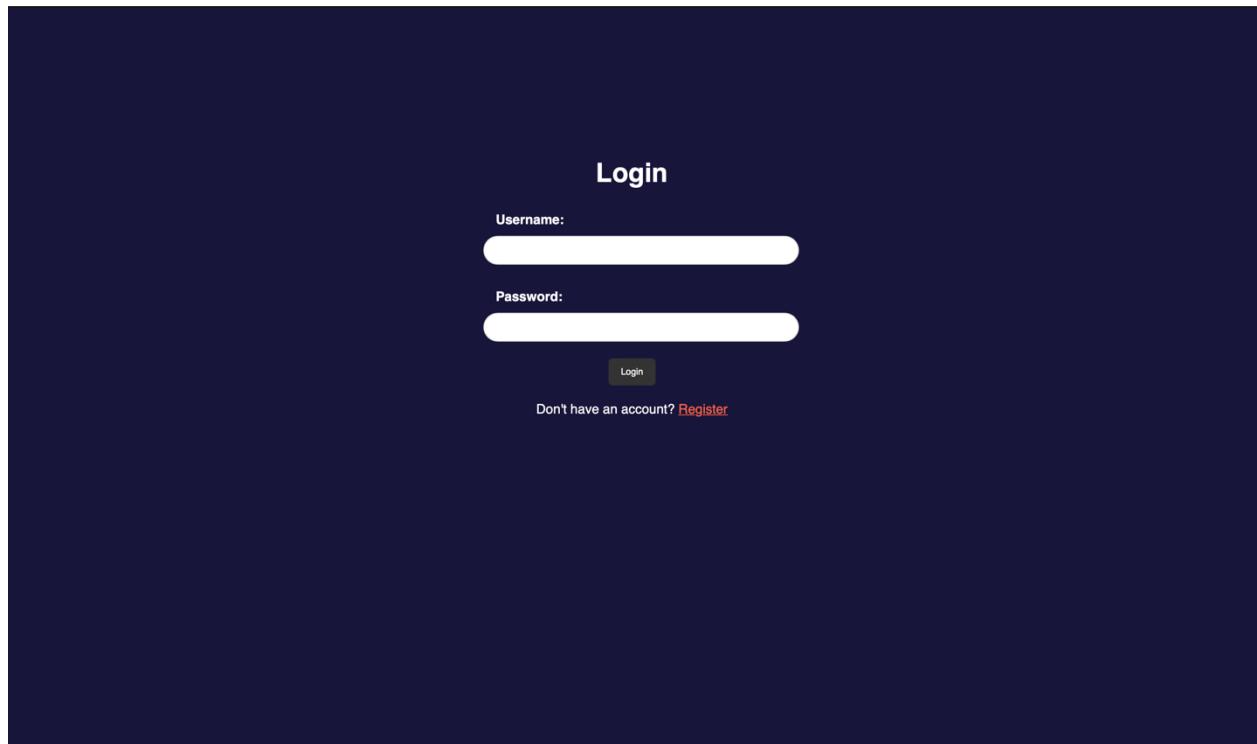
Aboard

Intern



Details

## Login page



The login page features a dark blue header with the word "Login" in white. Below the header is a "Username:" label followed by a redacted input field. Underneath is a "Password:" label followed by another redacted input field. A "Login" button is positioned below the password field. At the bottom, a link reads "Don't have an account? [Register](#)".

## Create Forum page



The "New Forum" page has a dark blue header with the title "New Forum". The main content area contains fields for "Select Type:" (with "Daily Life" selected), "Topic:" (a redacted input field), and "Content:" (a large redacted text area with a green "G" icon). A "Submit" button is located at the bottom left of the form.

## SE Forum



## Forum Entries & Comment

This screenshot shows a detailed view of a forum entry. The entry has the following details:

- Type:** study
- Topic:** Logic
- Content:** so hard brooooooooo

Below the entry, there is a comment section with a text input field labeled "Comment" and a "Submit" button.

At the bottom, there is a "Comments" section with the following data:

- Username:** asd
- Comment:** test
- Total Likes:** 2 likes

A small "Unlike" button is located at the bottom left of this section.

## Co-working Space Booking Service

Co-Working Space Reservation

Legend: N/A (Grey), Selected (Orange), Occupied (Black)

Room1   Room2   Room3   Room4

Co-Working Space Zone 1

You have booked 0 for Co-Working Space

Confirm Selection

## Source Code

### Webpage

```
Html/index.html
<!DOCTYPE html>
<html>

<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>SE Software Engineering</title>
    <link rel="icon"
    href="https://se.kmitl.ac.th/assets/se.png"
    type="image/x-icon">

    <!-- custom css link -->

    <link rel="stylesheet" type="text/css"
    href="/css/style.css">

    <!-- remixicons link -->
    <link
    href="https://cdn.jsdelivr.net/npm/remixicon@3.0.0/fonts/remixicon.css" rel="stylesheet">
    <script
    src="https://unpkg.com/scrollreveal"></script>

    <!-- icon -->
    <link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.1.0-beta3/css/all.min.css">

    <!-- google fonts link -->
    <link rel="preconnect"
    href="https://fonts.googleapis.com">
        <link rel="preconnect"
    href="https://fonts.gstatic.com" crossorigin>
```

```

<link
  href="https://fonts.googleapis.com/css2?family=Poppins
  :wght@200;400;500;600;700;800&display=swap"
  rel="stylesheet">
  <!-- custom js link -->
</head>

<body>
  <div class="menu-bar">
    <header>
      <div class="img-choice">
        <a href="#" class="logo"></a>
      </div>

      <ul class="navlist">
        <li><a
          href="/program">PROGRAM</a></li>
        <li><a href="#">ADMISSION</a></li>
        <li><a href="#Event-
News">EVENT&NEWS</a></li>
          <li><a href="#">ABOUT</a></li>
          <li><a href="/login"><i class="ri-
user-line"></i></a></li>
        </ul>

        <!--3bar-->
        <!-- <div class="bx bx-menu" id="menu-
icon"></div> -->
        <div id="menu-icon"><i class="ri-menu-
fill"></i></div>

      </header>
    </div>

    <section class="main">

```

```
<div class="main-text">
    <h2>Software Engineering</h2>
    <h4>About us </h4>
    <h5>Software engineering (SE) is an
engineering discipline concerning all aspects of
software production,
        including software analysis, design,
development, testing, and deployment. SE requires
profound abstract
            and logical thinking and the
application of mathematics, logic, and computer
science in order to produce
            efficient and reliable software with
the available resources.</h5>
    <!-- <p>Join us</p> -->
    <a href="#">More of us</a>
    <a href="#" class="ctaa"><i class="ri-
play-fill"></i>Study Content</a>
</div>

<div class="main-img">
    
</div>

</section>

<div class="icons">
    <a href="#"><i class="ri-instagram-
line"></i></a>
    <a href="#"><i class="ri-youtube-
line"></i></a>
    <a href="#"><i class="ri-mail-line"></i></a>
</div>
```

```
<!-- fix later -->

<div class="scroll-down">
    <a href="#"><i class="ri-arrow-up-s-
fill"></i></a>
</div>

<!-- <div class="outer-container"> -->

<div class="second-content">
    <div class="inner-container">

        <div class="container">
            <div id="slide">
                <div class="item"

                    <div class="content">
                        <div class="name"
style="color: black;"> University of Queensland</div>
                        <div class="des"
style="color: tomato;">On 11 Oct 2022, our SE program
was pleased to
                                welcome
                    representatives of Faculty of Engineering,
                    Architecture and Information
                                Technology,
                    University of Queensland, Australia,</div>
                    <button>See more</button>
                </div>
            </div>

            <div class="item"

                <div class="content">
                    <div class="name"
style="color: black;;"> Engineering World Tour and
                    Workshop </div>
                    <!-- <div class="des"
style="color: tomato;">On 11 Oct 2022, our SE program
was pleased to welcome representatives of Faculty of
```

*Engineering, Architecture and Information Technology,  
University of Queensland, Australia,</div> -->*

```
<button>See more</button>
</div>
</div>

<div class="item"
      style="background-image:
url(https://ic.kmitl.ac.th/cache/mod_news_show_sp2/ns
sp2_thumbs/More%20News%7Cnews/ea457adccaa9e569cff05de
9b4f3b04d_XL_400x200.jpg);">
    <div class="content">
        <div class="name"
style="color: black;">DIRECT ROUND1</div>
        <div class="des"
style="color: tomato;">Software Engineering – 2022
Direct Round 1
    </div>
    <button>See more</button>
  </div>
</div>

<div class="item"
      style="background-image:
url(https://ic.kmitl.ac.th/cache/mod_news_show_sp2/ns
sp2_thumbs/More%20News%7Cnews/ea457adccaa9e569cff05de
9b4f3b04d_XL_400x200.jpg);">
    <div class="content">
        <div class="name"
style="color: black;">TCAS ROUND1</div>
        <div class="des"
style="color: tomato;">Software Engineering – 2023
TCAS Round 1 Featured
    </div>
    <button>See more</button>
  </div>
```

```
        </div>
    </div>
    <div class="buttons">
        <button id="prev"><i class="ri-arrow-drop-left-line"></i></button>
        <button id="next"><i class="ri-arrow-drop-right-line"></i></button>
    </div>
</div>

</div>
</div>

<!-- Event&News -->

<div class="Event-News" id="Event-News">

    <div class="Event-News-Head-Text">
        <h3 class="Event-News-
text">Event&News<div class="border"></div>
        </h3>
    </div>
```

```

<div class="Event-News-Cards">

    <div class="Event-News-Content">
        <div class="Event-main">
            <div class="Event-News-img-
Content">
                
            </div>
            <div class="Event-News-Sub-
Content" style="margin: -10px;">
                <div class="Sub-con"
style="margin: 0;">

                    <!-- <h4>September
28</h4> -->
                    <h1 style="margin:
10px;">BRAIN x KMITL</h1>
                    <p style="margin: 10px;">
                        KMITL and WorldQuant
invite all KMITL students and alumni interested in
participating in
                        this year's
WorldQuant BRAIN x KMITL Alphathon
                    </p>
                </div>
            </div>
            <div class="Event-News-footer">
                <div class="Event-News-
footer-left">
                    <img src="" alt="">
                    <a
href="https://www.surveymonkey.com/r/AlphathonInfoSes
sion">Detail</a>
                </div>
            </div>
        </div>
    </div>
<div class="Event-News-Content">

```

```
<div class="Event-main">
    <div class="Event-News-img-
Content">
        
    </div>
    <div class="Event-News-Sub-
Content" style="margin: -10px;">
        <div class="Sub-con"
style="margin: 0;">
            <!-- <h3>January 24</h3>
-->
            <h1 style="margin:
10px;">Agoda Open house</h1>
            <p style="margin: 10px;">
                Fast track your
application for the 2024 Summer Internship by Nov 2023
                at Agoda Central
                Tower
            </p>
        </div>
    </div>
    <div class="Event-News-footer">
        <div class="Event-News-
footer-left">
            <img src="" alt="">
            <a href="https://careersatagoda.com/open-house-
2023/">Detail</a>
            </div>
        </div>
    </div>
</div>

<div class="Event-News-Content">
    <div class="Event-main">
        <div class="Event-News-img-
Content" style="background-color: red;">
            
        </div>
        <div class="Event-News-Sub-
Content" style="margin: -10px;">
            <div class="Sub-con"
style="margin: 0;">
                <h1 style="margin:
10px;">KPIT Sparkle</h1>
                <p style="margin: 10px;">
                    Global Enguneering
                    Contest for undergraduate students from
                    Science&Engineering
                </p>
            </div>
        </div>
        <div class="Event-News-footer">
            <div class="Event-News-
footer-left">
                <img src="" alt="">
                <a
                href="https://sparkle.kpit.com/register">Detail</a>
            </div>
            </div>
        </div>
    </div>

</div>

<!-- Place -->

<div class="Place-all">
```

```
<div class="second-content">
    <div class="Head">
        <h3 class="Event-News-text2">Our
Building</h3>
        <div class="border"></div>
    </div>

    <div class="place-row">

        <div class="Place">
            <div class="place-position">
                <div class="zero-content-
place">
                    
                <div class="Head-place-
text">
                    <div class="kmitl-
center">
                        <h2
class="Head2">KMITL</h2>
                        <h5>Contact
Us</h5>
                    </div>
                <div class="Place-
icon">
                    <a href="#"><i
class="ri-instagram-line"></i></a>
                    <a href="#"><i
class="ri-youtube-line"></i></a>
                    <a href="#"><i
class="ri-mail-line"></i></a>
                    <a><i class="ri-
facebook-box-fill"></i></a>
                </div>
            </div>
        </div>
    </div>
</div>
```

```
</div>

</div>

</div>

<div class="Place">
    <div class="place-position">
        <div class="first-content-
place">
            <iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!
1m3!1d3875.8664168120504!2d100.77298071744384!3d13.72
6536299999998!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1
!3m3!1m2!1s0x311d664afa2a3dc1%3A0x2eb8c57e23c0a836!2s
HM%20Building!5e0!3m2!1sth!2sth!4v1697176428315!5m2!1
sth!2sth"
width="400"
height="300" style="border:0;" allowfullscreen=""
loading="lazy"
referrerpolicy="no-
referrer-when-downgrade"></iframe>
        <div class="Head-place-
text">
            <h2 class="special-
HM">HM</h2>
            <h4 class="border-
bottom"></h4>
        </div>
        <div class="place-
detail">
```

```
                <i class="ri-map-pin-line"> 3 Thanon Chalong Krung, Lat Krabang, Bangkok  
10520</i>  
  
            </div>  
  
            <div class="place-  
detail">  
                <i class="ri-phone-  
line"> 02 329 8000</i>  
  
            </div>  
  
        </div>  
  
    </div>  
  
    <div class="Place">  
        <div class="place-position">  
            <div class="first-content-  
place">  
                <iframe  
src="https://www.google.com/maps/embed?pb=!1m18!1m12!  
1m3!1d3875.8220465471436!2d100.7729936755329!3d13.729  
221297815013!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!  
3m3!1m2!1s0x311d664a2458d53d%3A0xd323a50b1d5b5562!2z4  
Lit4Liy4LiE4Liy4Lij4Lib4LiP4Li04Lia4Lix4LiV4Li04LiB4L  
iy4Lij4Lin4Li04Lio4Lin4LiB4Lij4Lij4Lih4Lio4Liy4Liq4Li  
V4Lij4LmMIDI!5e0!3m2!1sth!2sth!4v1697191286556!5m2!1s  
th!2sth"  
width="400"  
height="300" style="border:0;" allowfullscreen=""  
loading="lazy"  
referrerpolicy="no-  
referrer-when-downgrade"></iframe>  
        <div class="Head-place-  
text">  
            <h2>ECC-Building</h2>
```

```
        <h4 class="border-
bottom"></h4>
        </div>

        <div class="place-
detail">
            <i class="ri-map-pin-
line">1 Thanon Chalong Krung, Lat Krabang, Bangkok
10520</i>
        </div>

        <div class="place-
detail">
            <i class="ri-phone-
line">02 329 8321</i>
        </div>

        </div>

        </div>

        <div class="Place">
            <div class="place-position">
                <div class="first-content-
place">
                    <iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!
1m3!1d1937.9185804025863!2d100.7726503527921!3d13.728
306739755627!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!
3m3!1m2!1s0x311d678ac259764f%3A0xabeebe57c8c9903e!2z4
LiV4Li24LiB4LmC4Lir4Lil!5e0!3m2!1sth!2sth!4v169719149
8503!5m2!1sth!2sth"
width="400"
height="300" style="border:0;" allowfullscreen=""
loading="lazy"
referrerpolicy="no-
referrer-when-downgrade"></iframe>
        <div class="Head-place-
text">
```

```
        <h2>E12-Building</h2>
        <h4 class="border-
bottom"></h4>
    </div>

    <div class="place-
detail">
        <i class="ri-map-pin-
line">3 Thanon Chalong Krung, Lat Krabang, Bangkok
10520</i>
    </div>

    <div class="place-
detail">
        <i class="ri-phone-
line">02 329 8000</i>
    </div>

    </div>

    </div>

    </div>
</div>

<script src="/js/script.js"></script>
```

```
</body>

</html>

Css/style.css
* {
    padding: 0;
    margin: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
    list-style: none;
    text-decoration: none;
}

html {
    scroll-behavior: smooth;
}

body {
    background: linear-gradient(245.59deg, #1a1c3e 0%, #101428 28.53%, #000a0f 75.52%);
}

img {
    width: 100%;
    height: auto;
}

.img-choice {
    width: 100px;
    height: auto;
}

header {
    position: fixed !important;
    right: 0;
    top: 0;
    z-index: 1000;
    width: 100%;
    display: flex;
```

```
    align-items: center;
    justify-content: space-between;
    padding: 33px 9%;
    background: linear-gradient(245.59deg, #1a1c3e
0%, #101428 28.53%, #000a0f 85.52%);
}

.logo {
    font-size: 30px;
    font-weight: 700px;
    color: white;
}

.navlist {
    display: flex;
}

.logo {
    display: flex;
}

.navlist a {

    color: white;
    margin-left: 60px;
    font-size: 15px;
    font-weight: 600;
    border-bottom: 2px solid transparent;
    transition: all .55s ease;
}

.navlist a:hover {
    border-bottom: 2px solid tomato;
    color: tomato !important;
}

/*
#menu-icon{
    color:white;
```

```
    font-size: 35px;
    z-index: 10001;
    cursor:pointer;
    display: none;
} */

#menu-icon {
    color: white;
    font-size: 35px;
    z-index: 10001;
    cursor: pointer;
    display: none;
}

/*background fade*/
.main {
    height: 100%;
    width: 100%;
    min-height: 100vh;
    background: linear-gradient(245.59deg, #1a1c3e
0%, #101428 28.53%, #000a0f 75.52%);
    /* Change the color stops to create a dark blue
faded effect */
    position: relative;
    display: grid;
    grid-template-columns: repeat(2, 1fr);
    align-items: center;
    gap: 2rem;
}

section {
    padding: 0 19%;
}

.main-text h5 {
    font-size: 14px;
    font-weight: 400;
    color: white;
    margin-bottom: 40px;
```

```
}

.main-text h1 {
    font-family: 'Poppins', sans-serif;
    font-size: 90px;
    line-height: 1;
    color: white;
    margin: 0 0 45px;
}

.main-text h4 {
    font-size: 18px;
    font-weight: 600;
    color: white;
    margin-bottom: 10px;
}

.main-text h2 {
    font-family: 'Poppins', sans-serif;
    font-size: 70px;
    line-height: 1;
    color: white;
    margin: 0 0 45px;
}

.main-text p {
    font-size: 15px;
    line-height: 1.9;
    color: white;
    margin-bottom: 40px;
}

main-img img {
    width: 700px;
    height: auto;
    padding: 0 70%;
    align-items: left;

}

.main-text a {
    display: inline-block;
```

```
        color: white;
        background-color: tomato;
        border: 1px solid transparent;
        padding: 12px 30px;
        line-height: 1.4;
        font-size: 14px;
        font-weight: 500;
        border-radius: 30px;
        text-transform: uppercase;
        transition: all .55s ease;
    }

.main-text a:hover {
    background-color: transparent;
    border: 1px solid white;
    transform: translateX(8px);
    background-color: grey;
}

.main-text a.ctaa {
    background-color: transparent;
    border: 1px solid transparent;
    background-color: tomato;
    margin-left: 20px;
}

.main-text a.ctaa:hover {
    background-color: grey;
    border: 1px solid white;
    transform: translateX(8px);
}

.main-text a.ctaa i {
    vertical-align: middle;
    margin-right: 5px;
}

.icons {
    position: absolute;
    top: 37%;
```

```
    padding: 0 9%;  
    transform: transalteY(-50%);  
}  
  
.icons i {  
    display: block;  
    margin: 32px 15px;  
    font-size: 24px;  
    color: white;  
    transition: all .50s ease;  
}  
  
.icons i:hover {  
    color: rgb(238, 146, 129);  
    transform: translateY(-5px);  
}  
  
.scroll-down {  
    position: fixed;  
    padding-right: 1300px;  
    bottom: 6%;  
    right: 9%;  
    z-index: 999;  
}  
  
.scroll-down i {  
    display: block;  
    padding: 12px;  
    font-size: 25px;  
    color: white;  
    background: tomato;  
    border-radius: 30px;  
    transition: all .50s ease;  
}  
  
.ri-user-line {  
    font-size: 2em;  
}  
}
```

```
.scroll-down i:hover {  
    transform: translateY(-5px);  
}  
  
.ri-arrow-right-double-fill {  
    font-size: 3em;  
    color: white !important;  
    padding-bottom: 10px;  
    padding-left: -200px;  
}  
  
/* event */  
  
.Event-News {  
    display: flex;  
    flex-direction: column;  
    height: 100vh;  
    gap: 20px;  
}  
  
.Event-News-Head-Text {  
    text-align: center;  
}  
  
.Event-News-text {  
    padding: 40px;  
    font-size: 40px;  
    color: tomato;  
}
```

```
.Event-News .buttons button {  
    background: none;  
    border: none;  
    font-size: 20px;  
    cursor: pointer;  
}  
  
.Event-News-Cards {  
    display: flex;  
    gap: 10px;  
    flex-direction: row;  
}  
  
.Event-News-Content {  
    flex: 1;  
    justify-content: center;  
}  
  
.border {  
    border-top: 5px solid tomato;  
    padding-top: 0px;  
    align-items: center;  
}  
  
.border-place {  
    align-items: center;  
    display: flex;  
}  
  
.place1 {  
    font-size: 26px;  
    line-height: 32px;  
    padding-left: 32px;  
    margin-top: -30px;  
}  
  
.Event-main {
```

```
width: 360px;
height: 460px;
margin: 2rem auto;
box-shadow: 3px 3px 10px rgba(255, 255, 255,
0.5);
border-radius: 50px;
overflow: hidden;
position: relative;
max-width: 400px;
max-height: 620px;
transition: 0.3s ease-in-out;
display: flex;
flex-direction: column;
}

.Event-News-img-Content img {
width: 100%;
height: auto;
padding-bottom: -100px;
transition: 0.3s ease-in-out;
}

.Event-News-Sub-Content {
text-align: center;
background-color: rgb(187, 178, 178);
height: 0;
overflow: hidden;
display: flex;
flex-direction: column;
opacity: 0;
transition: 0.3s ease-in-out;
}

.Event-main a {
text-decoration: none;
color: black;
}

.Event-main:hover .Event-News-img-Content img {
width: 100%;
height: auto;
}
```

```
.Event-main:hover .Event-News-Sub-Content {  
    height: auto;  
    opacity: 1;  
}  
  
.Event-main:hover .Event-News-footer {  
    background-color: rgb(247, 133, 3);  
    height: 25px;  
    opacity: 1;  
    font-size: 8px;  
}  
  
.Event-main:hover .Event-News-footer a {  
    text-decoration: none;  
    color: black;  
}  
  
.  
.Event-main .Event-News-footer a:hover {  
    content: "Readmore";  
    color: blue  
}  
  
.Event-main .Event-News-footer a {  
    transition: color 0.3s ease;  
}  
  
.Event-main .Event-News-footer a:hover {  
    color: blue;  
}  
  
.Event-News-footer {  
    background-color: rgb(247, 133, 3);  
    text-align: center;  
    align-items: center;  
    height: 80px;
```

```
    opacity: 1;

}

.Event-News-footer-left {
    text-align: center;
}

.Event-News-footer-left:hover {
    text-align: center;

}

.Event-News-footer-right {
    display: flex;
}

/* slide */

.inner-container {
    overflow-y: hidden;
    overflow-x: hidden;
    height: 100%;
    display: flex;
    width: 100%;
    background: linear-gradient(245.59deg, #1a1c3e
0%, #101428 28.53%, #000a0f 75.52%);

}

.second-content {
```

```
    background: linear-gradient(245.59deg, #1a1c3e  
0%, #101428 28.53%, #000a0f 75.52%);  
    height: 100vh;  
}  
  
body {  
    background-color: #eaeaea;  
}  
  
.container {  
  
    position: relative;  
    left: 50%;  
    top: 50%;  
    transform: translate(-50%, -50%);  
    width: 100%;  
    height: 700px;  
    padding: 50px;  
  
}  
  
#slide {  
    width: max-content;  
    margin-top: 50px;  
}  
  
.item {  
  
    width: 200px;  
    height: 300px;  
    background-position: 50% 50%;  
    display: inline-block;  
    transition: 0.5s;  
    background-size: cover;  
    position: absolute;  
    z-index: 1;  
    top: 50%;
```

```
        transform: translate(0, -50%);  
        border-radius: 20px;  
        box-shadow: 0 30px 50px #505050;  
    }  
  
.item:nth-child(1),  
.item:nth-child(2) {  
    left: 0;  
    top: 0;  
    transform: translate(0, 0);  
    border-radius: 0;  
    width: 100%;  
    height: 100%;  
    box-shadow: none;  
}  
  
.item:nth-child(3) {  
    left: 50%;  
}  
  
.item:nth-child(4) {  
    left: calc(50% + 220px);  
}  
  
.item:nth-child(5) {  
    left: calc(50% + 440px);  
}  
  
.item:nth-child(n+6) {  
    left: calc(50% + 660px);  
    opacity: 0;  
}  
  
.item .content {  
    position: relative;  
    top: 50%;  
    left: 100px;  
    width: 200px;  
    text-align: left;  
    padding: 0;  
    color: #eee;  
    transform: translate(0, -50%);
```

```
    display: none;
    font-family: system-ui;
}

.item:nth-child(2) .content {
    display: block;
    z-index: 11111;
}

.item .name {
    font-size: 40px;
    font-weight: bold;
    opacity: 0;
    animation: showcontent 1s ease-in-out 1 forwards
}

.item .des {
    margin: 20px 0;
    opacity: 0;
    animation: showcontent 1s ease-in-out 0.3s 1
forwards
}

.item button {
    padding: 10px 20px;
    border: none;
    opacity: 0;
    animation: showcontent 1s ease-in-out 0.6s 1
forwards
}

@keyframes showcontent {
    from {
        opacity: 0;
        transform: translate(0, 100px);
        filter: blur(33px);
    }

    to {
        opacity: 1;
        transform: translate(0, 0);
        filter: blur(0);
    }
}
```

```
        }
    }

.buttons {
    padding-top: 500px;
    position: relative;
    bottom: 30px;
    z-index: 222222;
    text-align: center;
    width: 100%;
}

.buttons button {
    width: 50px;
    height: 50px;
    border-radius: 50%;
    border: 1px solid #555;
    transition: 0.5s;
}

.buttons button:hover {
    background-color: #bac383;
}

.ri-arrow-drop-left-line,
.ri-arrow-drop-right-line {
    font-size: 3em;
    color: grey;
}

}

.Event-main:hover {
    transform: scale(1.05);
}

/* place */

.place-row {
    display: flex;
```

```
justify-content: space-between;  
}  
  
.Place {  
    display: flex;  
    flex-direction: column;  
    gap: -100px;  
    width: 100%;  
    /* background: linear-gradient(245.59deg, #1a1c3e  
0%, #101428 28.53%, #000a0f 75.52%); */  
    /* background-color: blue; */  
    background-color: transparent;  
    position: relative;  
    align-items: center;  
    height: 100%;  
    max-width: 400px;  
    border-radius: 10px;  
    padding: 20px;  
  
}  
  
.place-position {  
    text-align: center;  
  
    /* background-color: green; */  
}  
  
.first-content-place {  
    background-color: transparent;  
    /* background-color: red; */  
    background: linear-gradient(245.59deg, #000  
75.52%);  
    border: 1px solid grey;  
    width: 100%;  
    max-width: 400px;  
    padding: 20px;  
    display: flex;  
    flex-direction: column;  
    justify-content: center;  
    align-items: flex-start;  
    border-radius: 10px;
```

```
}

.Place img {
    width: 100%;
    height: auto;
}

.zero-content-place {

    width: 100%;
    max-width: 400px;
    padding: 20px;
    display: flex;
    flex-direction: column;
    justify-content: center;
    align-items: flex-start;
    border-radius: 10px;
    display: flex;
}

.Place .place-detail p,
h3 {
    color: #E76F51;
    /* Adjust the color to your preference */
    font-size: 16px;
}

.border-bottom {
    border-bottom: 5px solid white;
    padding-top: 10px;
    padding-bottom: 5px;
    display: flex;
}

.Head-place-text {
    text-align: left;
    padding: 20px 0 10px 70px;
    display: auto;
```

```
        color: tomato;
    }

.Head-place-text2 {
    text-align: left;
    padding: 20px 0 10px 100px;
    display: auto;
    color: tomato;
}

.special-HM {
    /* background-color: white; */
    padding-top: 10px;
    padding-right: 40px;
    font-size: 24px;
    color: tomato;
    margin: 0;
    padding: 0;
    text-align: center;
}

iframe {
    max-width: 100%;
    max-height: 400px;
    /* Maximum height to prevent excessive expansion
*/
    border-radius: 50px;
}

.place-detail {
    display: flex;
    align-items: flex-start;
    padding: 10px;
}

/* Style the icon with class .ri-map-pin-line and
.ri-phone-line */
.ri-map-pin-line,
```

```
.ri-phone-line {  
    text-align: left;  
    margin-top: 3px;  
    padding-right: 10px;  
    color: #E07A5F;  
  
}  
  
.place-detail p {  
  
    text-align: center;  
    margin: 0;  
    padding: 0;  
}  
  
.Place-all .Head {  
    text-align: center;  
    margin-bottom: 20px;  
  
}  
  
.Place-all .Head h3 {  
    /* background-color: white; */  
  
    font-size: 40px;  
    color: #F4A261;  
    margin: 0;  
}  
  
.Place-all .Head h4 {  
    /* background-color: white; */  
  
    font-size: 24px;  
    color: #F4A261;  
    /* Adjust the color to your preference */  
  
    margin: 0;  
}  
  
.Place-all .Head h2 {  
    /* background-color: white; */  
    padding-top: 10px;
```

```
    font-size: 40px;
    color: #F4A261;
    margin: 0;
}

.Place-all .Head2 h2 {
    /* background-color: white; */
    padding-top: 10px;
    font-size: 48px;
    color: #F4A261;
    margin: 0;
    margin: 0;
}

.Place-all .Head h5 {
    /* background-color: white; */
    padding-top: 10px;
    font-size: 16px;
    color: #F4A261;
    margin: 0;
}

.Place-all .border-bottom {
    border-bottom: 5px solid transparent;
    /* Start with a transparent border */
    padding-top: 10px;
    padding-bottom: 5px;
    width: 0;
    /* Start with no width */
    animation: border-appear 2s ease forwards;
    /* Use a keyframe animation */
}

@keyframes border-appear {
    to {
        width: 180px;
        /* Animate from 0 width to 180px width */
        border-color: white;
        /* Change the border color */
    }
}
```

```
        }
    }

.Event-News-text2 {
    padding: 40px;
    font-size: 40px;
    /* color: tomato; */
    /* background-color: pink; */

}

.Place-icon i {
    font-size: 1em;
    color: #E07A5F;
    display: inline-block;
    margin-right: 10px;
    /* Adjust the margin as needed */
    transition: all 0.5s ease;
    padding-top: -20px;
    padding-left: 20px;
}

.Place-icon i:hover {
    color: rgb(238, 146, 129);
    transform: translateY(-5px);
}

.kmitl-center {
    text-align: center;
    align-items: center;
    padding: 50px 50px 0px 50px;
    font-size: 24px;
}

/* Media query for screens with a maximum width of
1535px */
@media (max-width: 1535px) {
    header {
```

```
        padding: 10px 5%;  
    }  
  
.icons {  
    padding: 0 3%;  
}  
  
}  
  
/* Media query for screens with a maximum width of  
1195px */  
@media (max-width: 1195px) {  
    section {  
        padding: 0 3%;  
    }  
  
.main-text {  
    padding-top: 80px;  
    /* Adjusted padding */  
}  
  
.main-img {  
    text-align: center;  
}  
  
.main-img img {  
    width: 100%;  
    /* Adjusted image width */  
    height: auto;  
}  
  
.main {  
    height: 100%;  
    gap: 1rem;  
    grid-template-columns: 1fr;  
}  
  
.icons {  
    display: none;  
}
```

```
.scroll-down {
    display: none;
}

.place-row {
    flex-direction: column;
    gap: 1rem;
}

.Place {
    max-width: 100%;
    padding: 15px;
    text-align: center;
    align-items: center;
}

.place-detail {
    flex-direction: column;
    padding: 10px;
}

.place-detail p,
h3,
h5,
h2 {
    text-align: center;
    font-size: auto;
    color: tomato;
}

.place-detail p,
h5 {
    text-align: center;
    font-size: auto;
    color: tomato;
}

.place-detail p,
h2 {
    text-align: center;
    font-size: auto;
    color: tomato;
```

```
}

.Head-place-text {
    text-align: center;
    font-size: auto;
    color: tomato;
}

.Border-place {
    text-align: center;
    font-size: auto;
    color: tomato;
}

.Place-all img {
    width: 100%;
    height: auto;
}

.Event-News .Event-News-Cards {
    flex-direction: column;
}

.Event-News {
    height: auto;
}

}

@media (max-width: 990px) {
    #menu-icon {
        display: contents;
    }

    .navlist {
        position: absolute;
        right: -100%;
        top: 100%;
        height: 40vh;
        width: 300px;
        background: linear-gradient(245.59deg,
#1a1c3e 0%, #101428 28.53%, #000a0f 75.52%);
    }
}
```

```
        display: flex;
        flex-direction: column;
        align-items: center;
        justify-content: center;
        transition: all 0.5s ease;
        padding: 50px 20px;
    }

.navlist a {
    margin-left: 0;
    display: block;
    margin: 20px 0;
}

.navlist.open {
    right: 0;
}

.Place {
    display: block;
}

.Place img {
    width: 100%;
    height: auto;
}

.Place-all {
    display: block;
}

.Place-all .Event-News-text {
    display: block;
}

.Head {
    display: block;
    flex: auto;
}

.Event-News {
    height: auto;
```

```
}

.place-position {
    text-align: center;
    align-items: center;
    justify-content: center;
    /* background-color: green; */
    padding-left: 200px;
}

}

@media (max-width: 680px) {
    .main-img img {
        width: 100%;
        height: auto;
    }
}

.main-text h1 {
    font-size: 50px;
    /* Adjusted font size */
    margin: 0 0 15px;
    /* Adjusted margin */
}

.main-text h5 {
    margin-bottom: 15px;
    /* Adjusted margin */
}

.place-position {
    text-align: center;
    align-items: center;
    justify-content: center;
    /* background-color: green; */
    padding-left: 90px;
}

.Place-all .Head h2 {
    /* background-color: white; */
```

```
padding-top: 10px;
padding-right: 60px;
font-size: 40px;
color: #F4A261;
margin: 0;
padding: 0;
text-align: center;

}

.kmitl-center {
    text-align: center;
    align-items: center;
    padding: 50px 50px 0px 50px;
    font-size: 24px;
}

.Place-icon i {
    font-size: 1em;
    color: #E07A5F;
    display: inline-block;
    margin-right: 10px;
    /* Adjust the margin as needed */
    transition: all 0.5s ease;
    padding-top: -20px;
}

.ri-phone-line {
    margin: 10px;
}

.ri-map-pin-line {
    margin: 0;
    padding: 10px;
}

}
```

## Js/script.js

```
let slideInterval;

function nextSlide() {
    let slide = document.getElementById("slide");
    let lists = document.querySelectorAll(".item");
    let firstItem = lists[0];
    slide.removeChild(firstItem);
    slide.appendChild(firstItem);
}

function startAutoSlide() {
    slideInterval = setInterval(nextSlide, 5000); // 
Slide every 2 seconds (2000 milliseconds)
}

function stopAutoSlide() {
    clearInterval(slideInterval);
}

document.getElementById("next").onclick = function () {
    nextSlide();
    stopAutoSlide(); // 
Stop auto slide when manually changing the slide
};

document.getElementById("prev").onclick = function () {
```

```

let slide = document.getElementById("slide");
let lists = document.querySelectorAll(".item");
let lastItem = lists[lists.length - 1];
slide.removeChild(lastItem);
slide.insertBefore(lastItem, slide.firstChild);
stopAutoSlide(); // Stop auto slide when manually
changing the slide
};

startAutoSlide(); // Start auto slide when the page
loads

// Pause auto slide when the user hovers over the
slide container
document.getElementById("slide").addEventListener("mo
useenter", stopAutoSlide);
// Resume auto slide when the user moves the mouse
out of the slide container
document.getElementById("slide").addEventListener("mo
useleave", startAutoSlide);

// change text function
function changeTextToReadmore() {
    const cards = document.querySelectorAll(".Event-
main");

    cards.forEach((card) => {
        const anchor = card.querySelector(".Event-News-
footer a");

        card.addEventListener("mouseover", () => {
            anchor.textContent = "Readmore";
        });

        card.addEventListener("mouseout", () => {
            anchor.textContent = "Detail";
        });
    });
}

changeTextToReadmore();

```

```

//responsive bar change

const menuIcon = document.querySelector("#menu-icon");
const navList = document.querySelector(".navlist");
let isMenuOpen = false;

// Define the default menu content
const defaultMenuContent = `

    <li><a href="#">PROGRAM</a></li>
    <li><a href="#">ADMISSION</a></li>
    <li><a href="#Event-News">EVENT&NEWS</a></li>
    <li><a href="#">ABOUT</a></li>
    <li><a href="/login"><i class="ri-user-line"></i></a></li>
`;

// Function to update the menu content
function updateMenuContent() {
    if (window.innerWidth <= 1195) {
        if (isMenuOpen) {
            navList.innerHTML = `

                <li><a href="#">PROGRAM</a></li>
                <li><a href="#">ADMISSION</a></li>
                <li><a href="#Event-News">EVENT&NEWS</a></li>
                    <li><a href="#">ABOUT</a></li>
                    <li><a href="/login"><i class="ri-user-line"></i></a></li>
`;
        } else {
            navList.innerHTML = defaultMenuContent;
        }
    }
}

// Initial update
updateMenuContent();

// Event listener for menu icon click
menuIcon.addEventListener("click", () => {
    if (window.innerWidth <= 990) {

```

```

        if (isMenuOpen) {
            // Close the menu
            navList.classList.remove("open");
        } else {
            // Open the menu
            navList.classList.add("open");
        }
    }

    isMenuOpen = !isMenuOpen;
});

// Event listener for window resize
window.addEventListener("resize", updateMenuContent);

//navbar-menu
function toggleMenu() {
    const menuIcon = document.querySelector("#menu-icon");
    const navList = document.querySelector(".navlist");

    menuIcon.addEventListener("click", () => {
        // navList.classList.toggle("bx-x");
        navList.classList.toggle("open");
    });
}

toggleMenu();

//scroll smooth
function applyScrollReveal(selector, options) {
    const sr = ScrollReveal(options);
    sr.reveal(selector);
}

// Usage
applyScrollReveal(".main-text", {
    distance: "65px",
    duration: 2600,
    delay: 450,
    reset: true,
    origin: "top",
})

```

```
});  
  
applyScrollReveal(".icons", {  
  distance: "65px",  
  duration: 2600,  
  delay: 450,  
  reset: true,  
  origin: "left",  
});  
  
applyScrollReveal(".main-img", {  
  distance: "65px",  
  duration: 2600,  
  delay: 450,  
  reset: true,  
  origin: "right",  
});  
  
applyScrollReveal(".border-bottom", {  
  distance: "65px",  
  duration: 2600,  
  delay: 100,  
  reset: true,  
  origin: "right",  
});
```

## Program choice

```
Html/program_choice.html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" type="text/css"
href="/css/program_choice.css">
    <script type="text/javascript"
src="/js/program_choice.js"></script>
</head>

<body>
    <div>
        <div class = "fixed">
            <div class="Program_Bar">
                <div class="navbar-menu">
                    <a href = "/" class = "SE-
Head">Software Engineer</a>
                </div>

                <div class="navbar-menu">
                    <div class="Program_Bar_Position">
                        <!-- <div
class="Program_Bar_Detail">
                            <li><a href="index.html"
class="left">Software Engineer</a></li>

                            </div> -->
                        <div class="Program_Bar_Detail">
                            <li><a
href="#SE2022">SE2022</a></li>
                        </div>
                        <div class="Program_Bar_Detail">
                            <li><a
href="#Glasgow">Glasgow</a></li>
                        </div>
                    <div class="Program_Bar_Detail">
```

```

        <li><a href="#Aboard">Aboard</a></li>
            </div>
            <div class="Program_Bar_Detail">
                <li><a href="#Intern">Intern</a></li>
                    </div>
                </div>
            </div>

        </div>
    </div>

    <!-- SE2022 Container with Background Image --
-->
<div class="SE2022" id ="SE2022">

    <div class="SE2022-content">
        <div class="SE2020-Head-Content">
            SE2020
        </div>
        <div class="Button-Position"><button class="SE2022-Button">Details</button></div>
    </div>

    </div>

    <!-- Glasgow Container with Background
Image-->
    <div class="Glasgow" id="Glasgow">
        <div class="Glasgow-content">

            <div class="Button-Position-Glasgow"><button class="Glasgow-Button">Details</button></div>
            </div>
        </div>

    <!-- Aboard Container with Background Image --
-->

```

```

<div class="Aboard" id="Aboard">
    <div class="Aboard-content">

        <div class="Button-Position-
Aboard"><button class="Aboard-
Button">Details</button></div>
    </div>
</div>

<div class="Intern" id = "Intern">
    <div class="Intern-content">

        <div class="Button-Position-
Intern"><button class="Intern-
Button">Details</button></div>
    </div>
</div>

</div>
</body>

</html>

```

### Js/program\_choice.js

```

document.addEventListener("DOMContentLoaded",
function () {
    const button = document.querySelector(".SE2022-
Button");
    const glasgowButton =
document.querySelector(".Glasgow-Button");
    const aboardButton =
document.querySelector(".Aboard-Button");
    const internButton =
document.querySelector(".Intern-Button");
    const se_Head =
document.querySelector(".SE_Head");

```

```

function isElementInViewport(el) {
    const rect = el.getBoundingClientRect();
    const windowHeight = window.innerHeight;
    const elementTop = rect.top;
    const elementBottom = rect.bottom;

    const offset = -500;

    return (
        elementTop - offset <= windowHeight &&
        elementBottom + offset >= 0
    );
}

document.querySelectorAll('.navbar-menu
a').forEach(link => {
    link.addEventListener('click', (e) => {
        e.preventDefault();

        const targetId =
link.getAttribute('href').substring(1);

        const targetSection =
document.getElementById(targetId);

        if (targetSection) {
            setTimeout(() => {
                targetSection.scrollIntoView({
                    behavior: 'smooth',
                });
            }, 50);
        }
    });
});

function handleScroll() {
    const targetSectionSE =
document.getElementById("SE2022");
    const targetSectionGlasgow =
document.getElementById("Glasgow");

```

```

        const targetSectionAboard =
document.getElementById("Aboard");
        const targetSectionIntern =
document.getElementById("Intern");
        const se_Head =
document.querySelector(".SE_Head");

        console.log("SE2022 in viewport:",
isElementInViewport(targetSectionSE));
        console.log("Glasgow in viewport:",
isElementInViewport(targetSectionGlasgow));
        console.log("Aboard in viewport:",
isElementInViewport(targetSectionAboard));
        console.log("Intern in viewport:",
isElementInViewport(targetSectionIntern));

        if (isElementInViewport(targetSectionSE)) {
            const navbarLinks =
document.querySelectorAll('.navbar-menu a');
            navbarLinks.forEach(link => {
                link.style.color = 'black';
                link.addEventListener('mouseenter',
() => {
                    link.style.textDecoration =
'underline';
                    link.style.color = '#ff9900';
                });
                link.addEventListener('mouseleave',
() => {
                    link.style.textDecoration =
'none';
                    link.style.color = 'black';
                });
            });
        }

        setTimeout(function () {
            button.style.display = "block";
            button.style.opacity = 1;
        }, 1000);
    
```

```

    }

    else if
(isElementInViewport(targetSectionGlasgow)){
    const navbarLinks =
document.querySelectorAll('.navbar-menu a');
    navbarLinks.forEach(link => {
        link.style.color = 'white';

        link.addEventListener('mouseenter',
() => {
            link.style.textDecoration =
'underline';
            link.style.color = '#ff9900';
        });
        // Remove hover styles
        link.addEventListener('mouseleave',
() => {
            link.style.textDecoration =
'none';
            link.style.color = 'white';
        });
    });

    // Show the button after a 0.25-second
delay
    setTimeout(function () {
        glasgowButton.style.display =
"block";
    }, 500);
}

else if
(isElementInViewport(targetSectionAboard)){
    const navbarLinks =
document.querySelectorAll('.navbar-menu a');
    navbarLinks.forEach(link => {
        link.style.color = 'black';
}

```

```

        link.addEventListener('mouseenter',()
=> {
            link.style.textDecoration =
'underline';
            link.style.color = '#ff9900';
        })
        link.addEventListener('mouseleave',()
=> {
            link.style.textDecoration =
'none';
            link.style.color = 'black';
        })
    });

setTimeout(function () {
    aboardButton.style.display = "block";
}, 1000);
}

else if
(isElementInViewport(targetSectionIntern)){
    const navbarLinks =
document.querySelectorAll('.navbar-menu a');
    navbarLinks.forEach(link => {
        link.style.color = 'white';
        link.addEventListener('mouseenter',()
=> {
            link.style.textDecoration =
'underline';
            link.style.color = '#ff9900';
        });
        link.addEventListener('mouseleave',()
=> {
            link.style.textDecoration =
'none';
            link.style.color = 'white';
        });
    });

setTimeout(function () {
    internButton.style.display = "block";

```

```
        }, 500); // 4000 milliseconds = 4000
seconds >>> suit for spending scroll for each pages
}

else {
    // Hide the button immediately
    button.style.display = "none";
    glasgowButton.style.display = "none";
    aboardButton.style.display = "none";
    internButton.style.display = "none";
}

window.addEventListener("scroll", handleScroll);
});

window.addEventListener('wheel', fixedHeightScroll);
```

## Login

```
Html/login.html
<!DOCTYPE html>
<html>
<head>
    <title>Login Page</title>
    <link rel="stylesheet" type="text/css"
href="/css/login_style.css">
    <link
href="https://cdn.jsdelivr.net/npm/remixicon@3.0.0/fo
nts/remixicon.css" rel="stylesheet">
    <script
src="https://unpkg.com/scrollreveal"></script>

</head>
<body>
    <div class="container">
        <h1 class = "Head-text">Login</h1>
        <form>
            <div class="form-group">
                <label for="username"
class="text">Username:</label>
                <input class="box-decoration"
type="text" id="username" name="username"
                    required>
            </div>
            <div class="form-group">
                <label for="password"
class="text">Password:</label>
                <input class="box-decoration"
type="password" id="password" name="password"
                    required>
            </div>
            <input type="submit" id="loginButton"
value="Login">
            <!-- onclick="checkpassword(e)" -->
        </form>
        <div class="Add-Detail">
            <p>Don't have an account? <a
href="/register" class="text-
Register">Register</a></p>
```

```
        </div>
    </div>

    <script src="/js/login.js"></script>

</body>
</html>
```

css/login.css

```
* {
    margin: 0;
    padding: 0;
    font-family: "Poppins", sans-serif;
}

body {
    background-color: #171539;
}

.container {
    max-width: 400px;
    margin: 0 auto;
    padding: 20px;
    background-color: transparent;
    border-radius: 5px;
    align-items: center;
    text-align: center;
    padding: 12%;
}

form {
    padding: 20px;
}

.form-group {
    margin-bottom: 20px;
    text-align: left;
}
```

```
label {
    display: block;
    font-weight: bold;
}

input[type="text"],
input[type="password"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 25px;
}

.Head-text {
    color: white;
}
input[type="submit"] {
    background: #333;
    color: #fff;
    padding: 10px 15px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
}

input[type="submit"]:hover {
    background: #555;
}

.text {
    color: white;
    margin-left: 5px;
    padding: 10px;
}

.Add-Detail {
    color: white;
}

.text-Register {
    color: tomato;
```

```
}
```

```
js/login.js
```

```
async function checkpassword(e) {
    e.preventDefault();
    var name =
document.getElementById("username").value;
    var password =
document.getElementById("password").value;

    fetch("/login_1/" + name + "/" + password)
        .then((response) => response.json())
        .then((data) => {
            console.log("Data: ", data);
            if (data["message"] == "Login successfully") {
                alert("Login successfully");
                window.location.href = "/process_login/" +
name;
            } else if (data["message"] == "Login failed") {
                alert("Either username or password is
incorrect");
                window.location.assign("/login");
            }
        })
        .catch((error) => {
            console.error("Error:", error);
        });
}

document.addEventListener("DOMContentLoaded",
function () {
    const loginButton =
document.getElementById("loginButton");
    loginButton.addEventListener("click",
checkpassword);
});
```

## Booking

Html/booking.html

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

<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE-edge" />
    <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
    <link rel="stylesheet" href="/css/booking.css" />
    <title>Co-Working Space Booking</title>
</head>

<body>

    <div class="CoSeat-container">
        <h2 id="CoSeat">Co-Working Space Reservation</h2>
    </div>

    <ul class="showcase">
        <li>
            <div class="seat"></div>
            <small>N/A</small>
        </li>
        <li>
            <div class="seat selected"></div>
            <small>Selected</small>
        </li>
        <li>
            <div class="seat occupied"></div>
            <small>Occupied</small>
        </li>
    </ul>

    <div class = "bg">
        <ul class="Room" id="RoomBarEL">
```

```
    <div class="small1" id="Room1"  
        onclick="showRoom(1);">Room1</div>  
        <div class="small1" id="Room2"  
        onclick="showRoom(2);">Room2</div>  
        <div class="small1" id="Room3"  
        onclick="showRoom(3);">Room3</div>  
        <div class="small1" id="Room4"  
        onclick="showRoom(4);">Room4</div>  
    </ul>  
</div>
```

```
<!-- Zone 1: Seat Selection -->  
<div class="fixed-container">  
    <div class="space">  
  
        <div class="container Room" id="container1">  
            <div class="container">  
  
                <div class="head">  
                    <h4>Co-Working Space Zone 1</h1>  
                </div>  
                <div class="row">  
                    <div class="seat" value="11"></div>  
                    <div class="seat" value="21"></div>  
                    <div class="seat" value="31"></div>  
                    <div class="seat" value="41"></div>  
                    <div class="seat" value="51"></div>  
                    <div class="seat" value="61"></div>  
                    <div class="seat" value="71"></div>  
                    <div class="seat" value="81"></div>  
                </div>  
  
                <div class="screen"></div>  
  
                <div class="row">  
                    <div class="seat" value="91"></div>  
                    <div class="seat" value="101"></div>  
                    <div class="seat" value="111"></div>  
                    <div class="seat" value="121"></div>  
                </div>  
            </div>  
        </div>
```

```

        <div class="seat" value="131"></div>
        <div class="seat" value="141"></div>
        <div class="seat" value="151"></div>
        <div class="seat" value="161"></div>
    </div>
</div>
</div>

<!-- Zone 2: Seat Selection -->
<div class="container Room" id="container2">
    <!-- Content for Room 2 -->
    <div class="container2">

        <div class="head">
            <h4>Co-Working Space Zone 2</h1>
        </div>
        <div class="row">
            <div class="seat" value="11"></div>
            <div class="seat" value="21"></div>
            <div class="seat" value="31"></div>
            <div class="seat" value="41"></div>
            <div class="seat" value="51"></div>
            <div class="seat" value="61"></div>
            <div class="seat" value="71"></div>
            <div class="seat" value="81"></div>
        </div>

        <div class="screen"></div>

        <div class="row">
            <div class="seat" value="91"></div>
            <div class="seat" value="101"></div>
            <div class="seat" value="111"></div>
            <div class="seat" value="121"></div>
            <div class="seat" value="131"></div>
            <div class="seat" value="141"></div>
            <div class="seat" value="151"></div>
            <div class="seat" value="161"></div>
        </div>
    </div>
</div>

```

```

<!-- Zone 3: Seat Selection -->
<div class="container Room" id="container3">
    <!-- Content for Room 3 -->
    <div class="container3">

        <div class="head">
            <h4>Co-Working Space Zone 3</h1>
        </div>
        <div class="row">
            <div class="seat" value="11"></div>
            <div class="seat" value="21"></div>
            <div class="seat" value="31"></div>
            <div class="seat" value="41"></div>
            <div class="seat" value="51"></div>
            <div class="seat" value="61"></div>
            <div class="seat" value="71"></div>
            <div class="seat" value="81"></div>
        </div>

        <div class="screen"></div>

        <div class="row">
            <div class="seat" value="1"></div>
            <div class="seat" value="11"></div>
            <div class="seat" value="1211"></div>
            <div class="seat" value="1221"></div>
            <div class="seat" value="1312"></div>
            <div class="seat" value="1412"></div>
            <div class="seat" value="1512"></div>
            <div class="seat" value="1612"></div>
        </div>
    </div>
</div>

<!-- Zone 4: Seat Selection -->
<div class="container Room" id="container4">
    <!-- Content for Room 4 -->
    <div class="container4">

```

```

<div class="head">
    <h4>Co-Working Space Zone 4</h1>
</div>
<div class="row">
    <div class="seat" value="11"></div>
    <div class="seat" value="21"></div>
    <div class="seat" value="31"></div>
    <div class="seat" value="41"></div>
    <div class="seat" value="51"></div>
    <div class="seat" value="61"></div>
    <div class="seat" value="71"></div>
    <div class="seat" value="81"></div>
</div>

<div class="screen"></div>

<div class="row">
    <div class="seat" value="1"></div>
    <div class="seat" value="11"></div>
    <div class="seat" value="1211"></div>
    <div class="seat" value="1221"></div>
    <div class="seat" value="1312"></div>
    <div class="seat" value="1412"></div>
    <div class="seat" value="1512"></div>
    <div class="seat" value="1612"></div>
</div>
</div>
</div>
</div>

<p class="text">
    You have booked <span id="count">0</span> for Co-
    Working Space
</p>

<button id="confirm-button" class="button">Confirm
Selection</button>

<script src="/js/booking.js"></script>

```

```
</body>
```

```
</html>
```

css/booking.css

```
@import
url("https://fonts.googleapis.com/css?family=Lato&dis
play=swap");

* {
  box-sizing: border-box;
  margin: auto;
  padding: auto;
}

body {
  background-color: #171539;
  display: flex;
  flex-direction: column;
  color: white;
  align-items: center;
  justify-content: center;
  height: 100vh;
  font-family: "Lato", "sans-serif";
}

.CoSeat-container {
  margin: 20px 0;
}

.CoSeat-container select {
  background-color: #fff;
  border: 0;
  border-radius: 5px;
  font-size: 14px;
  margin-left: 10px;
  padding: 5px 15px 5px 15px;
```

```
  -moz-appearance: none;
  -webkit-appearance: none;
  appearance: none;
}

.container,
.container2,
.container3,
.container4 {
  perspective: 1000px;
  margin-bottom: 30px;
}
.head {
  padding-bottom: 20px;
  margin-top: -50px;
}
.seat {
  background-color: #444451;
  height: 14px;
  width: 15px;
  margin: 3px;
  border-top-left-radius: 10px;
  border-top-right-radius: 10px;
}
.seat.selected {
  background-color: orange;
}

.seat.occupied {
  background-color: #fff;
}

.seat:nth-of-type(2) {
  margin-right: 18px;
}

.seat:nth-last-of-type(2) {
  margin-left: 18px;
}

.seat:not(.occupied):hover {
```

```
    cursor: pointer;
    transform: scale(1.2);
}

.showcase .seat:not(.occupied):hover {
    cursor: default;
    transform: scale(1);
}

.showcase {
    /* background-color: rgba(0, 0, 0, 0.1); */
    padding: 5px 10px;
    border-radius: 5px;
    color: #777;
    list-style-type: none;
    display: flex;
    justify-content: space-between;
}

.showcase li {
    display: flex;
    align-items: center;
    justify-content: center;
    margin: 0 10px;
}

.showcase li small {
    margin-left: 10px;
}

.row {
    display: flex;
}

.screen {
    background-color: grey;
    height: 90px;
    width: 100%;
    margin: 15px 0;
    /* transform: rotateX(-45deg); */
    box-shadow: 0 3px 10px rgba(255, 255, 255, 0.75);
}
```

```
p.text {
    margin: 5px 0;
}

p.text span {
    color: tomato;
}

.fixed-container {
    display: flex;
    background-color: #171539;
    flex-direction: row;
    /* display: block; */
    align-items: center;
    gap: 5rem;
    position: relative;
}

.container {

}

.space {
    display: flex;
    flex-direction: column;
}

.button {
    padding: 10px;
    border-radius: 25px;
    border: 0px;
    background-color: tomato;
}

.button:hover {
    background-color: rgb(164, 155, 155);
    padding: 10px;
    cursor: pointer;
}

p {
    padding: 10px;
```

```

}

.Room {
    list-style: none;
    display: flex;
    margin-top: -100px;
    padding: 30px 0px 0px 20px;
    /* background-color: #fff; */
}

.small1 {
    margin-top: -20px;
    padding: 10px 15px 10px 15px;
    cursor: pointer;
    background-color: rgba(0, 0, 0, 0.1);
    border-radius: 5px;
}

.small1:hover {
    color: orange;
}

.Room li {
    margin-top: -20px;
    padding: 10px 15px 10px 15px;
    cursor: pointer;
    background-color: rgba(0, 0, 0, 0.1);
    border-radius: 5px;
}

.Room li:hover {
    color: orange;}

```

js/booking.js

```

const container =
document.querySelector(".container1");
const container2 =
document.querySelector(".container2");
const container3 =
document.querySelector(".container3");

```

```

const container4 =
document.querySelector(".container4");
const RoomBarEL =
document.getElementById("RoomBarEL");

const count = document.getElementById("count");
const CoSeatSelect =
document.getElementById("CoSeat");
const seats = document.querySelectorAll(".row
.seat");

showRoom(1);

function showRoom(roomNumber) {
    RoomBarEL.style.display = "flex";

    for (let i = 1; i <= 4; i++) {
        const roomEl = document.getElementById("Room" +
i);
        console.log("roomEl =", roomNumber);
        const containerEl =
document.getElementById("container" + i);
        if (i === roomNumber) {
            roomEl.style.display = "flex";
            containerEl.style.display = "flex";
            console.log("if container =", i);
        } else {
            roomEl.style.display = "flex";
            containerEl.style.display = "none";
            // console.log('else container =', i);
        }
    }
    updateSelectedCount();
}

function save_booking(username) {
    // Mark selected seats as occupied
    const selectedSeats =
document.querySelectorAll(".row .seat.selected");
    // selectedSeats.forEach((seat) => {
    //     seat.classList.remove("selected");
}

```

```

//   seat.classList.add("occupied");
// });

const selectedSeatsIndexes =
[...selectedSeats].map(
  (seat) => [...seats].indexOf(seat)
);

const selectedSeatsCount = selectedSeats.length;

// Display a confirmation message using alert
if (selectedSeatsCount > 0) {
  // Check what div is currently visible
  let currentRoom = 1;
  for (let i = 1; i <= 4; i++) {
    const roomEl =
document.getElementById("container" + i);
    if (roomEl.style.display !== "none") {
      currentRoom = i;
      break;
    }
  }
}

fetch('/save_booking/' + username, {
  method: 'POST',
  headers: {
    'Content-Type': 'application/json',
  },
  body: JSON.stringify({
    roomnumber: currentRoom,
    selected_seat: selectedSeatsIndexes,
  })
})
.then(response => {
  if (response.ok){
    response.json().then(data => {
      if (data['message'] == "Booking
successfully"){
        alert("You have successfully booked
the seat for " + selectedSeatsCount + " seats");
        location.reload();
        return;
      }
    })
  }
})

```

```

        }
    })
} else{
    alert('An error occurred');
}
})
}
else {
    alert("Please select a seat to book");
}

updateSelectedCount();
}

container.addEventListener("click", (e) => {
if (
    e.target.classList.contains("seat") &&
    !e.target.classList.contains("occupied")
) {
    e.target.classList.toggle("selected");
    console.log("Selected");

    updateSelectedCount();
}
console.log("container");
});

container2.addEventListener("click", (e) => {
if (
    e.target.classList.contains("seat") &&
    !e.target.classList.contains("occupied")
) {
    e.target.classList.toggle("selected");
    console.log("Selected");

    updateSelectedCount();
}
console.log("container2");
});

// Seat click event
container3.addEventListener("click", (e) => {

```

```

if (
  e.target.classList.contains("seat") &&
  !e.target.classList.contains("occupied")
) {
  e.target.classList.toggle("selected");
  console.log("Selected");

  updateSelectedCount();
}
console.log("container3");
});

// Seat click event
container4.addEventListener("click", (e) => {
  if (
    e.target.classList.contains("seat") &&
    !e.target.classList.contains("occupied")
  ) {
    e.target.classList.toggle("selected");
    console.log("Selected");

    updateSelectedCount();
  }
  console.log("container4");
});

updateSelectedCount();

function updateSelectedCount() {
  const selectedSeats =
document.querySelectorAll(".row .seat.selected");
  const selectedSeatsCount = selectedSeats.length;

  count.innerText = selectedSeatsCount;
}

```

## Channel

```
Html/channel.html
<!DOCTYPE html>
<html>

<head>
    <title>Channel Entries</title>
    <link rel="stylesheet" type="text/css"
href="/css/channel_style.css">

    <script>
        function CreateForum(username) {
            location.href = '/create_forum/' +
username;
        }
    </script>

</head>

<body>

    <header>
        <div class="func">
            <ul class="navlist">
                <li><a href="/program">SE
Forum</a></li>
                    <li><a href="#">Booking Room</a></li>
            </ul>
        </div>
    </header>

    <div class="head">
        <h1>SE Forum</h1>
    </div>
    <div class="container">
        {%
        for entry in entries %}
        <div class="meeting-block">
            <div class="meeting-type">
```

```

                <p>{{ entries[entry].type }}</p>
            </div>
            <div class="meeting-topic">
                <h3>{{ entries[entry].topic }}</h3>
            </div>
            <div class="meeting-description">
                <p>{{ entries[entry].content }}</p>
            </div>
            <button class="join-button"
                    onclick="location.href='/channel/{{ username }}/{{ entries[entry].topic }}';">View
Post</button>
            </div>
            {% endfor %}
        </div>

        <footer>
            <button id="createButton" class="create-
button" onclick="CreateForum('{{ username
}}');">Create</button>
        </footer>
    </body>
</html>

```

## Css/channel\_style.css

```

@import
url("https://fonts.googleapis.com/css?family=Montserrat&display=swap");

*{
    margin: 0;
    padding: 0;
    text-decoration: none;
}

body{

```

```
/* background-color: #171539; */
background-color: #1a1c3e;
font-family: 'Roboto', sans-serif;
}

header{
    display: flex;
    width: 100%;
    height: 10%;
    background-color: red;
    z-index: 900;
    position: fixed;
}

footer {
    display: flex;
    position: fixed;
    width: 100%;
    background: linear-gradient(245.59deg, #1a1c3e
0%, #101428 28.53%, #000a0f 85.52%) !important;
    z-index: 1000;
    bottom: 0;
    height: 50px;
    justify-content: flex-end;
    padding: 10px 30px 10px 10px;
    margin-right: 20px;
}

h1 {
    font-family: "Montserrat Medium";
    max-width: 40ch;
    text-align: center;
    transform: scale(0.94);
    animation: scale 3s forwards cubic-bezier(0.5, 1,
0.89, 1);
}
@keyframes scale {
    100% {
```

```
        transform: scale(1);
    }
}

span {
    display: inline-block;
    opacity: 0;
    filter: blur(4px);
}

.head{
    color: white;
    text-align: center;
    padding: 100px 40px 40px 40px;
    margin: auto;
    font-size: 40px;
}

.container {
    display: flex;
    flex-wrap: wrap;
    /* justify-content: space-between; */
    /* align-items: center; */
    margin-left: 400px;
    padding: auto;
    align-items: center;
    flex-direction: row;
    color:white;
    gap: 30px;
}

.meeting-block {
    width: 33%; /* 3 blocks in a row with margins */
    border: 1px solid #ccc;
    padding: 10px;
    margin: 10px;
    border-radius: 25px;
    box-sizing: border-box;
    display: flex;
    flex-direction: column;
    background-color: azure;
```

```
        box-shadow: 0 0 10px 0 #ccc;
    }

.meeting-topic {
    max-width: 100%;
    font-size: 25px; ;
    color: black;
}

.meeting-description {
    margin-top: 5px;
    max-width: 100%;
    color: black;
}

.meeting-type {
    font-size: 14px; ;
    margin-top: 10px;
    color: black;
}

.join-button {
    margin-top: 10px;
    background-color: #1a7ce5;
    border-radius: 25px;
    color: #fff;
    border: none;
    padding: 10px 20px;
    cursor: pointer;
}

.join-button:hover {
    background-color: #024fa1;
}

.create-button {
    /* position: fixed; */
    bottom: 20px;
    right: 20px;
```

```

/* z-index: 999; */
border-radius: 25px;
width:80px;
margin-right: 20px;

}

.create-button:hover {
    background-color: tomato;
    border: #1e1e1e;
    border: 4px solid #1e1e1e;
}

/* Media query for screens with a max-width of 600px
*/
func{
    display: flex;
    /* position: fixed !important; */
    right: 0;
    top: 0;
    width: 100%;
    background: linear-gradient(245.59deg, #1a1c3e
0%, #101428 28.53%, #000a0f 85.52%) !important;
    z-index: 999;

}

navlist{
    display: flex;
    list-style-type: none;
    padding :33px 4%;

}

navlist a{
    display: flex;
    color:white;
    margin-left: 60px;
    font-size: 15px;
}

```

```
font-weight:600;
border-bottom: 2px solid transparent;
transition: all .55s ease;
flex-direction: row;
list-style-type: none;

}

.navlist a:hover{
    border-bottom: 2px solid tomato;
    color: tomato !important;
}

@media (max-width: 1000px) {
    .func{
        justify-content: center;
        align-items: center;
    }

    .container {
        flex-direction: column;
        margin-left: 0px;
        padding: 40px;
        width: auto;
        height: auto;
    }

}

.meeting-block {
    width: 100%;
    max-width: 800px;
}

}
```

## Crete Forum

```
Html/create_forum.html
<!DOCTYPE html>
<link rel="stylesheet" type="text/css"
href="/css/create_forum.css">

<html>
<head>
    <title>Create Forum</title>
    <script>
        document.addEventListener('DOMContentLoaded',
function() {
    var sub =
document.getElementById('submit_form');
    sub.addEventListener('click', function(e)
{
    e.preventDefault();
    var username = '{{ username }}';
    console.log("start");
    Create(username);
})
}

        function Create(username){
            var topic =
document.getElementById('topic').value;
            var content =
document.getElementById('content').value;
            var type =
document.getElementById('type').value
            // Check if the topic and content is
empty
            if (topic == '' || content == ''){
                alert('Please fill in the topic and
content.');
                return;
            }

            var forum_data = {
                type: type,
                topic: topic,
```

```

        content: content
    };

    fetch('/create/' + username, {
        method: 'POST',
        headers: {
            'Content-Type':
'application/json'
        },
        body: JSON.stringify(forum_data)
    })
    .then(response => {
        if (response.ok) {
            response.json().then(data => {
                if (data['message'] == "Topic
is already taken" ){
                    alert(data['message']);
                    return;
                }else if (data['message'] ==
"Create forum successfully"){
                    alert(data['message']);
                    window.location.href =
"/process_login/" + username;
                    return;
                }
            });
        } else {
            // Handle errors
            alert('An error occurred');
        }
        return response.json();
    })
    .then(data => {
        alert(data);
    })
    .catch((error) => {
        console.error('Error:', error);
    });
}

</script>

```

```

</head>
<body>
    <h1>New Forum</h1>

    <form action="/create" method="post">
        <label for="type" class="Select-type">
            <p>Select Type:</p>
        </label>
        <select name="type" id="type">
            <option value="daily_life">Daily
            Life</option>
            <option value="study">Study</option>
            <option value="coding">Coding</option>
            <option
            value="knowledge">Knowledge</option>
        </select>
        <br><br>
        <label for="topic">
            <p>Topic:</p>
        </label>
        <input type="text" name="topic" id="topic"
        required>
        <br><br>
        <label for="content">
            <p>Content:</p>
        </label>
        <textarea name="content" id="content"
        rows="4" cols="50" required></textarea>
        <br><br>
        <input type="submit" value="Submit"
        id="submit_form">
    </form>
</body>
</html>

```

Css/create\_forum.css

```

*{
    margin: 0;
    padding: 0;
    font: 'Poppins', sans-serif;
}

```

```
}

body{
    background-color: #171539;
    padding: 10px;
}

h1{
    color: white;
    padding:10px;
}

form{
    background-color: white;
    padding: 20px;
    border: 1px solid tomato;
    border-radius : 25px; ;
}

.Select-type{
    font-size: 20px;
}

input,select{
    border-radius: 25px;
}

textarea{
    border-radius:10px ;
}

p{
    padding-bottom: 5px;
}

input[type="submit"]:hover{
    background-color: tomato;
}
```

## Forum Entry

Template/forum\_entry.html

```
<!DOCTYPE html>
<link rel="stylesheet" type="text/css"
href="/css/forum_entries.css">
<html>
<head>
    <title>Forum Entries</title>
</head>
<body>
    <div class="head">
        <h1>Forum Entries</h1>

    </div>
    <div class="container">
        <ul>
            <li>
                <strong>Type:</strong><p>{{ entries.type }}</p>
                <strong>Topic:</strong> <p>{{ entries.topic }}</p>
                <strong>Content:</strong> <p>{{ entries.content }}</p>
            </li>
        </ul>
        {% if username in comment.likeuser %}
            <button class = "unlike-button"
id="like" onclick="checklike('{{ entries.topic }}','{{comment.comment}}','{{ comment.username }}','{{username}}')>unlike</button>
        {% else %}
            <button class = "like-button"
id="like" onclick="checklike('{{ entries.topic }}','{{comment.comment}}','{{ comment.username }}','{{username}}')>like</button>
        {% endif %}
    {%endfor%}
    </div>
    <div class="back-position">
        <!-- <button href="" class="back">Back to
Form</button> -->
```

```
<button class="back"
onclick="location.href='/process_login/{{username}}';
">Back to form</button>

{%
  if username == entries.creator %}
  <button class="back"
  onclick="location.href='/delete_forum/{{username}}/{{entries.topic }}';">Delete</button>
  {% endif %}
</div>
<script src="/js/forum_entries.js"></script>
</body>
</html>
```

Css/forum\_entry.css

```
* {
  margin: 0;
  padding: 0;
}

body {
  background-color: #171539;
}

.head {
  padding: 10px 10px 20px 10px;
  color: white;
}

.container {
  padding: 10px;
  display: flex;
  flex-wrap: wrap;
  justify-content: space-between;
  flex-direction: row;
  padding-bottom: 10px;
  background-color: rgb(232, 229, 229);
  border-radius: 25px;
  border: 1px solid tomato;
}
```

```
.like-button{
    background-color: grey;
    background-color: #f4511e;
    opacity: 0.8;
    color: white;
    padding: 10px 30px;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    font-size: 12px;
    float: left;
    margin: 10px;
    max-width: 30px;
    padding-left: 15px ;
}

.unlike-button{
    background-color: grey;
    background-color: #f4511e;
    opacity: 0.8;
    color: white;
    padding: 10px 48px;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    font-size: 12px;
    float: left;
    margin: 10px;
    max-width: 30px;
    padding-left: 15px ;
}

ul {
    padding: 10px;
    color: black;
    list-style-type: none;
    margin: 10px;
}

p {
    padding: 10px;
}
```

```
.back-position {  
    padding: 10px;  
}  
  
.back {  
    font: 40px;  
    padding: 10px;  
    border-radius: 25px;  
}  
  
.back:hover {  
    background-color: tomato;  
}
```

## Backend

### main.py

```
from fastapi import FastAPI, Request, Form,
HTTPException
from fastapi.responses import HTMLResponse,
FileResponse, JSONResponse ,RedirectResponse
from fastapi.staticfiles import StaticFiles
import uvicorn
import os
import json
from fastapi.templating import Jinja2Templates
from all_classes import User , Forum , Comment

app = FastAPI()

templates = Jinja2Templates(directory="templates")
app.mount("/css", StaticFiles(directory="css"),
name="static_css")
app.mount("/js", StaticFiles(directory="js"),
name="static_js")
app.mount("/image", StaticFiles(directory="image"),
name="static_image")

*****
#*****ZODB*****
mystorage = ZODB.FileStorage.FileStorage('mydata.fs')
db = ZODB.DB(mystorage)
connection = db.open()
root = connection.root
```

```

# On server start
# @app.on_event("startup")
# async def startup_event():

# # On server shutdown
@app.on_event("shutdown")
async def shutdown_event():
    # save to database
    transaction.commit()
    connection.close()

# _____home_____
@app.get("/", response_class=HTMLResponse)
async def get_login_page(request: Request):
    return FileResponse("page/index.html")

# _____program_____
@app.get("/program", response_class=HTMLResponse)
async def get_login_page(request: Request):
    return FileResponse("page/program_choice.html")

# _____login_____
@app.get("/login", response_class=HTMLResponse)
async def get_login_page(request: Request):
    return FileResponse("page/login.html")

@app.get("/login_1/{username}/{password}")
async def login(username: str, password: str):
    # Check if the username and password are correct
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]
        if username == user_info.username:
            if password == user_info.password:
                return
    JSONResponse(content={"message": "Login
successfully"})
    return JSONResponse(content={"message": "Login
failed"})

```

```

@app.get("/process_login/{username}")
async def process_login(request: Request, username: str):
    forums_data = root.forum_data
    # Check if the username and password are correct
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]
        if username == user_info.username:
            return
    templates.TemplateResponse("channel.html",
    {"request": request, "entries": forums_data , "username" : username})
    return RedirectResponse(url='/login')

#_____register_____
user_data_dir = "data/user"
if not os.path.exists(user_data_dir):
    os.makedirs(user_data_dir)

@app.get("/register", response_class=HTMLResponse)
async def get_register_page(request: Request):
    return FileResponse("page/register.html")

@app.get("/register/{username}/{password}/{email}")
async def register(username: str , password: str , email: str):
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]
        if username == user_info.username:
            return JSONResponse(content={"message": "Username is already taken"})
        if email == user_info.email:
            return JSONResponse(content={"message": "Email is already taken"})

    # put info in database
    root.user_data[username] = User(username , password , email)

```

```

        return JSONResponse(content={"message": "Register
successfully"})

@app.get("/register/all_data")
async def get_all_data():
    user_data = root.user_data
    data = []
    for user in user_data:
        user_info = user_data[user]
        data.append({
            "username": user_info.username,
            "password": user_info.password,
            "email": user_info.email
        })
    return JSONResponse(content={"data": data})

#_____create
forum_____
forum_data_dir = "data/forum"
if not os.path.exists(forum_data_dir):
    os.makedirs(forum_data_dir)

forum_entries = []

@app.get('/create_forum/{username}')
async def submit(request: Request, username: str):
    #Check if the username exist or not
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]
        if username == user_info.username:
            return
    templates.TemplateResponse("create_forum.html",
    {"request": request, "username": username})
    return RedirectResponse(url='/login')

@app.post('/create/{username}')
async def submit(request: Request, username: str):

```

```

#Check if the username exist or not
user_data = root.user_data
for user in user_data:
    user_info = user_data[user]
    if username == user_info.username:
        data = await request.json()
        type = data['type']
        topic = data['topic']
        content = data['content']

        #Check if the topic is already exist or
not
        forum_data = root.forum_data
        for forum in forum_data:
            forum_info = forum_data[forum]
            if topic == forum_info.topic:
                return
JSONResponse(content={"message": "Topic is already
taken"})

        # save to forum_data ZODB
        root.forum_data[topic] = Forum(username ,
type , topic , content)

        return JSONResponse(content={"message":
"Create forum successfully"})
        return RedirectResponse(url='/login')

@app.post("/check_topic/{topic}")
async def check_topic(topic: str):
    #Check if the topic is already exist or not
    forum_data = root.forum_data
    for forum in forum_data:
        forum_info = forum_data[forum]
        if topic == forum_info.topic:
            return JSONResponse(content={"message":
"Topic is already taken"})
            return JSONResponse(content={"message": "Topic is
available"})

@app.get('/channel/{username}/{topic}')

```

```

async def submit(request: Request, username: str,
topic: str):
    forum_data = root.forum_data
    forum_info = forum_data[topic]
    data= {
        "creator": forum_info.creator,
        "type": forum_info.type,
        "topic": forum_info.topic,
        "content": forum_info.content,
        "like": forum_info.like,
        "likeuser": forum_info.likeuser,
        "comment": forum_info.comment
    }

    return
templates.TemplateResponse("forum_entries.html",
{"request": request, "entries": data, "username": username})

```

```

#_____Add
Comment_____
@app.post('/add_comment/{username}')
async def submit(request: Request, username: str):
    #Check if the username exist or not
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]
        if username == user_info.username:
            data = await request.json()
            topic = data['topic']
            comment = data['comment']

            # save to forum_data ZODB
            forum_info = root.forum_data[topic]
            forum_info.add_comment(username ,
comment)
            root.forum_data[topic] = forum_info

            return JSONResponse(content={"message": "Comment successfully"})

```

```

        return RedirectResponse(url='/login')

#_____Save Booking
Spots_____
@app.post('/save_booking/{username}')
async def submit(request: Request, username: str):
    # check if the user is in the database
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]
        if username == user_info.username:
            data = await request.json()
            roomnumber = data['roomnumber']
            selected_seat = data['selected_seat']

            # save into ZODB
            for i in selected_seat:
                root.booking_data[roomnumber].append(i)
                root.booking_data._p_changed = True

    return JSONResponse(content={"message": "Booking successfully"})
    return RedirectResponse(url='/login')

#_____Get Booking
HTML_____
@app.get('/booking_room/{username}')
async def booking_room(request: Request, username: str):
    # check if the user is in the database
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]
        if username == user_info.username:

            # send the data from ZODB to HTML
            booking_data = root.booking_data
            data = []
            for room in booking_data:
                room_info = booking_data[room]

```

```

        data.append({
            "room": room,
            "seat": room_info
        })
    }

    return
templates.TemplateResponse("booking.html",
{"request": request, "entries": data, "username": username})

return RedirectResponse(url='/login')

#_____reset Booking
Data_____
@app.get('/reset_booking')
async def reset_booking(request: Request):
    # reset the booking data
    root.booking_data[1] = []
    root.booking_data[2] = []
    root.booking_data[3] = []
    root.booking_data[4] = []
    root._p_changed = True
    return RedirectResponse(url='/login')

if __name__ == "__main__":
    uvicorn.run(app, host="0.0.0.0", port=8000)

#_____Delete
Forum_____
if __name__ == "__main__":
    uvicorn.run(app, host="0.0.0.0", port=8000)

#__delete forum__
@app.get('/delete_forum/{username}/{topic}')
async def submit(request, username: str, topic: str):
    #Check if the username exist or not
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]

```

```

        if username == user_info.username:
            #Check if the topic is already exist or
not
            forum_data = root.forum_data
            for forum in forum_data:
                forum_info = forum_data[forum]
                if topic == forum_info.topic:
                    del root.forum_data[topic]
    return
RedirectResponse(url='/process_login/'+username)

#_____Add like to
Comment_____
@app.post('/add_like_comment/{username}')
async def submit(request, username: str):
    #Check if the username exist or not
    user_data = root.user_data
    for user in user_data:
        user_info = user_data[user]
        if username == user_info.username:
            data = await request.json()
            topic = data['topic']
            comment = data['comment']
            commentowner = data['commentowner']

            # save to forum_data ZODB
            forum_info = root.forum_data[topic]
            for i in forum_info.comment:
                if i.username == commentowner and
i.comment == comment:
                    if username not in i.likeuser:
                        i.add_like(username)
                        root.forum_data[topic] =
forum_info
                    return
    JSONResponse(content={"message": "Like
successfully"})
    else:
        i.unlike(username)
        root.forum_data[topic] =
forum_info

```

```
        return
JSONResponse(content={"message": "Unlike
successfully"})
        root.forum_data[topic] = forum_info
        return JSONResponse(content={"message":
"Comment Not found"})
    return JSONResponse(content={"message": "No user
found"})
```

## init.py

```
import ZODB , ZODB.FileStorage
import transaction
import BTrees.00BTree

mystorage = ZODB.FileStorage.FileStorage('mydata.fs')
db = ZODB.DB(mystorage)
connection = db.open()
root = connection.root
root.user_data = BTrees.00BTree.BTree()
root.forum_data = BTrees.00BTree.BTree()
root.booking_data = BTrees.00BTree.BTree()
root.booking_data[1] = []
root.booking_data[2] = []
root.booking_data[3] = []
root.booking_data[4] = []

transaction.commit()
connection.close()
```

## all\_cases.py

```
import persistent
class User(persistent.Persistent):
    def __init__(self , username , password , email):
        self.username = username
        self.password = password
        self.email = email

class Forum(persistent.Persistent):
    def __init__(self , creator , type , topic ,
content):
        self.creator = creator
        self.type = type
        self.topic = topic
        self.content = content
        self.like = 0
        self.likeuser = []
        self.comment = []

    def add_comment(self , username , comment):
        self.comment.append(Comment(username ,
comment))
        self._p_changed = True

    def add_like(self , username):
        self.like += 1
        self.likeuser.append(username)

class Comment(persistent.Persistent):
    def __init__(self , username , comment):
        self.username = username
        self.comment = comment
        self.like = 0
        self.likeuser = []

    def add_like(self , username):
        self.like += 1
        self.likeuser.append(username)
```