

A dark blue vertical bar runs along the left edge of the page. A blue arrow-shaped box points to the right, containing the date. In the bottom left corner, several thin, curved lines in shades of blue and grey sweep upwards and to the right.

9/7/2022

## SPRINT 4 INDIVIDUAL CONTRIBUTION

### Employability Assessment Toolkit

Muhammad Daniyal  
30385522  
Project Owner (Database Administrator & Web-Developer)

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## Project – X02 Employability Assessment toolkit

### SPRINT 4 DELIVERABLES – INDIVIDUAL CONTRIBUTION

#### Team members and their roles

Project Team Members	Scrum roles	Development roles
Muhammad DANIYAL	Scrum Master	Database administrator & Web developer
Sukhtindervir KAUR	Product Owner	Software developer & Tester
Suraj MAHAT	Team member	Application developer
Pratik LAMICHHANE	Team member	Application developer
Roshan SHRESTHA	Team member	Application developer

- In this sprint of the project, I felt that there is a need of tester, so I assigned this responsibility to Sukhtindervir Kaur.
- During this sprint, I focused on adding additional functionalities that were required by our client as per the requirements of the project.
- Changes in team roles were determined based on certain criteria set by the whole team while working on the project. Based on performance, team roles were determined.

#### Theme & wish list

I organized a meeting to define project requirements (evidence have been provided at the end of document)

- **Theme:** “Additional functionalities for responsive employability assessment toolkit including Google and LinkedIn login, booking system, home, portals, about, our project, contact, FAQs page, and sign out pages having live-chat and search functionalities with improvement in the assessment tools.”
- **Wish List:** “To develop responsive interface including all three fully functional assessment tools. To add additional functionalities in the toolkits to improve user experience.”

#### Incoming Product Backlog

According to my team role, I have set following user stories that I have intended to complete for upcoming sprint 5:

US1: As a user, I want to read the user manual so that I may learn how to get most of the assessment portal.

US2: As a user, I want to read privacy policy of toolkit project handbook so that I may know that my provided information is secure.

US3: As a user, I want to read terms and conditions of website so that I may comply with the guidelines.

US4: As a user, I want to read copyright policy of organization so that I may comply with the guidelines.

## Sprint Backlog

Our teacher worked hard to build our self-confidence and morale, so as the project leader, I distributed the responsibilities among all the team members and always attempted to assist others if they encountered any difficulties. I also wanted to deliver the best product to the client and stakeholders because I had been given a significant responsibility. The following is my contribution to the for the project having sprint 4 backlog items:

Requirement	Conditions of Satisfaction	Tasks and Estimates
<b>US1:</b> As a user, I want to go to search through site so that I don't have to navigate for information.	<ul style="list-style-type: none"> <li>User must be logged in</li> <li>User must click search button available in the navigation bar</li> <li>User must enter desired and required information</li> <li>Search engine must take the user to the intended information if contained within site whenever the &lt; or &gt; buttons are clicked</li> </ul>	T1 The search functionality button should be present in the web page on navigation bar for the user to find required information - ½ day (Muhammad Daniyal) T2 Create search.php file – ½ day (Muhammad Daniyal) T3 Link to website navigation bar – 1 hour (Muhammad Daniyal)
<b>US2:</b> As a user, I want to login using my Google account so that I can use Employability Assessment Portal without filling signing up information.	<ul style="list-style-type: none"> <li>The user must need to click on google icon on home page</li> <li>It must take to Google authentication process</li> <li>User must fill-up Google account information and grant access</li> </ul>	T4 Develop an application in Google developers' portal T5 Create config.php file – 1 hour (Muhammad Daniyal) T6 Create index.php file – 2 hours (Muhammad Daniyal) T7 Create logout.php file – ½ hour (Muhammad Daniyal) T8 Create profile.php file – 2 hours (Muhammad Daniyal) T9 Link to website login page – 10 mins (Muhammad Daniyal)
<b>US3:</b> As a user, I want to login using my LinkedIn account so that I can use Employability Assessment Portal without filling signing up information.	<ul style="list-style-type: none"> <li>The user must need to click on LinkedIn icon on home page</li> <li>It must take to LinkedIn authentication process</li> <li>User must fill-up LinkedIn account information and grant access</li> </ul>	T10 Develop an application on LinkedIn Developers' portal T11 Create config.php file – ½ hour (Muhammad Daniyal) T12 Create index.php file – ½ hour (Muhammad Daniyal) T13 Create logout.php file – 10 mins (Muhammad Daniyal) T14 Create profile.php file – 2 hours (Muhammad Daniyal) T15 Link to website login page – 10 mins (Muhammad Daniyal)
<b>US4:</b> As a user, I want to have a live chat with expert so that I can get answer to my enquires.	<ul style="list-style-type: none"> <li>User must be logged in</li> <li>User must click chat with us icon in bottom right corner</li> <li>User must provide information about issue</li> </ul>	T16: Research about integration of live-chat into website (Muhammad Daniyal) – 1 day T17: Add script to coding files after <head> tag. (Muhammad Daniyal) - 1 hr T18: Provide real-time responses to user (Muhammad Daniyal)
<b>US5:</b> As a user, I want to book an appointment with an expert so that I can discuss career opportunities.	<ul style="list-style-type: none"> <li>User must be logged in</li> <li>User must navigate to home page</li> </ul>	T19: Research about integration of booking system into website

	<ul style="list-style-type: none"> <li>• User must click on “Book Appointment” button on top right corner</li> <li>• User must select among available experts to have face to face meeting</li> <li>• User must select date and time among available</li> <li>• User must provide information about issue or enquiry</li> </ul>	(Muhammad Daniyal & Sukhtindervir Kaur) – 1 day T20: Add script to coding files after <head> tag. (Muhammad Daniyal) - 1 hr T21: Add availability schedule (Muhammad Daniyal & Sukhtindervir Kaur) – ½ hr T22: Add available experts (Muhammad Daniyal ) - ½ hr T23: Link to email for confirmation (Muhammad Daniyal) – 10 minutes
<b>US6:</b> As a user, I want to go to FAQs page so that I can get answers to my enquiries.	<ul style="list-style-type: none"> <li>• User must need to be logged into site</li> <li>• User must head to FAQs page</li> <li>• User must select and click drop-down menu to reveal answer to question</li> </ul>	T24: Provide a FAQs form for the user with relevant and frequently asked questions– ½ day (Muhammad Daniyal)
<b>US7:</b> As a user, I want to get in touch with employability team so that I can get answer to my questions in real-time.	<ul style="list-style-type: none"> <li>• User must need to be logged into site</li> <li>• User must click on chat icon in bottom right to corner</li> <li>• User must fill-out all required fields</li> <li>• User must click submit button to submit enquiry</li> </ul>	T25: Implement and deploy chat functionality via JavaScript and PHP T26: Provide a contact form for the user with required fields – ½ day (Muhammad Daniyal) T27: Use php to forward email to respective recipient – 1 day (Muhammad Daniyal)
<b>US8:</b> As a user, I want to use the site on an android/ iPhone device so that i can access the information on mobile as well	<ul style="list-style-type: none"> <li>• User must use responsive drop-down menu to navigate through site</li> <li>• User must click appropriate links</li> </ul>	T28: Use media queries to make the site responsive – 4 days (Muhammad Daniyal) T29: Use JS and MYSQL queries simultaneously – 2 days (Muhammad Daniyal)
<b>US9:</b> As a user, I want to sign out of my Google or LinkedIn site account so that my information is secure.	<ul style="list-style-type: none"> <li>• User must be logged in</li> <li>• User must need to click “Logout” button on navigation bar at home page</li> </ul>	T30: Create a auth_session.php file and logout_auth.php file – 2 hours (Muhammad Daniyal) T31: Provide link on website to logout_auth.php file – 1 hr (Muhammad Daniyal)
<b>US10:</b> As a user, I want to go through the testimonials of project team members so that I can get an inspiration.	<ul style="list-style-type: none"> <li>• User must be logged in</li> <li>• User must go to “Home” page</li> <li>• User must navigate to PROJECT TEAM MEMBERS section on home page</li> </ul>	T32: Create a testimonial section on home page of website – 3 hours (Muhammad Daniyal) T33: Provide social media profile links of team members – ½ hours (Muhammad Daniyal)

## Sprint 4 Meetings

Being the project manager, I always did my best to encourage the other members of my group and took other people's concerns into account. I gave the scrum master the responsibility for making the arrangements for the meeting, and we would talk about the agenda together. To check that everyone was moving forwards and that the project was proceeding according to plan, I used to hold question-and-answer sessions with the other group members. Here is a list of the meetings I attended and participated in my duty as project manager:

- Stand-up meeting 1

**Date and time:** 19/08/2022, 10:30 pm – 11:00 pm

**Venue:** MS Teams Conversation

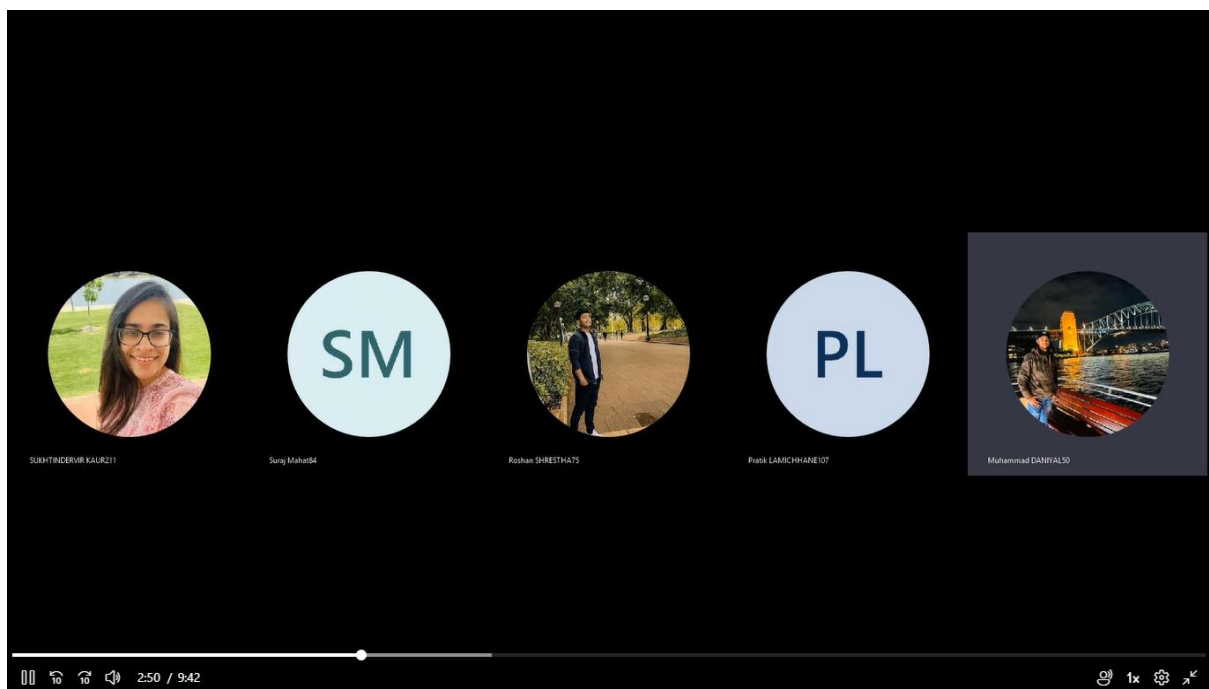
**Attendees:** Muhammad Daniyal, Sukhtindervir Kaur, Suraj Mahat and Pratik Lamichhane

**Minutes Taken by:** Sukhtindervir Kaur

**Agenda:**

- Defining requirements
- Discussion of additional functionalities to be added to website
- Discussion of product backlog items remaining
- To discuss the progress of project sprints
- Discussed the feedback which was given in sprint 3 by the client.

**Proof:**



**Meeting link:**

[https://australianatmc-my.sharepoint.com/:v:/g/personal/30383565\\_students\\_atmc\\_edu\\_au/EdeaXI8XG-pCm8VdU285JC8B8gXwL3HWRrT\\_IW-XKdtVww](https://australianatmc-my.sharepoint.com/:v:/g/personal/30383565_students_atmc_edu_au/EdeaXI8XG-pCm8VdU285JC8B8gXwL3HWRrT_IW-XKdtVww)

- Stand-up meeting 2

**Date and time:** 26/08/2022, 10:00 pm – 11:00 pm

**Venue:** MS Teams Conversation

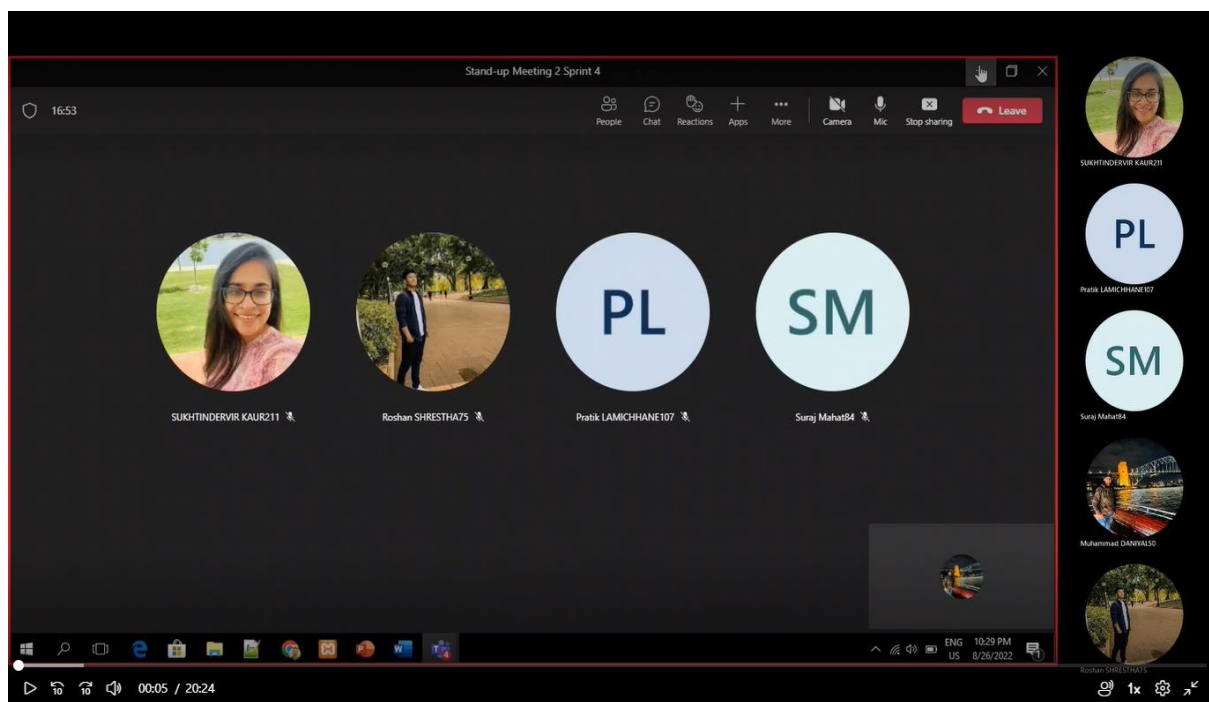
**Attendees:** Muhammad Daniyal, Sukhtindervir Kaur, Suraj Mahat, Roshan Shrestha, and Pratik Lamichhane

**Minutes Taken by:** Sukhtindervir Kaur

**Agenda:**

- To discuss project progression
- To discuss randomized quizzes for career assessment and career development planning tools
- To discuss individual project progress

**Evidence:**



**Meeting link:**

[https://australianatmc-my.sharepoint.com/:v:/g/personal/30383565\\_students\\_atmc\\_edu\\_au/Ef7Vu5Fvp8BChMgVXuUWa3kB7AsIZHVNxOxTnORDnEwPA](https://australianatmc-my.sharepoint.com/:v:/g/personal/30383565_students_atmc_edu_au/Ef7Vu5Fvp8BChMgVXuUWa3kB7AsIZHVNxOxTnORDnEwPA)



○ **Stand-up meeting 3**

**Date and time:** 01/09/2022, 10:30 pm – 11:00 pm

**Venue:** MS Teams Conversation

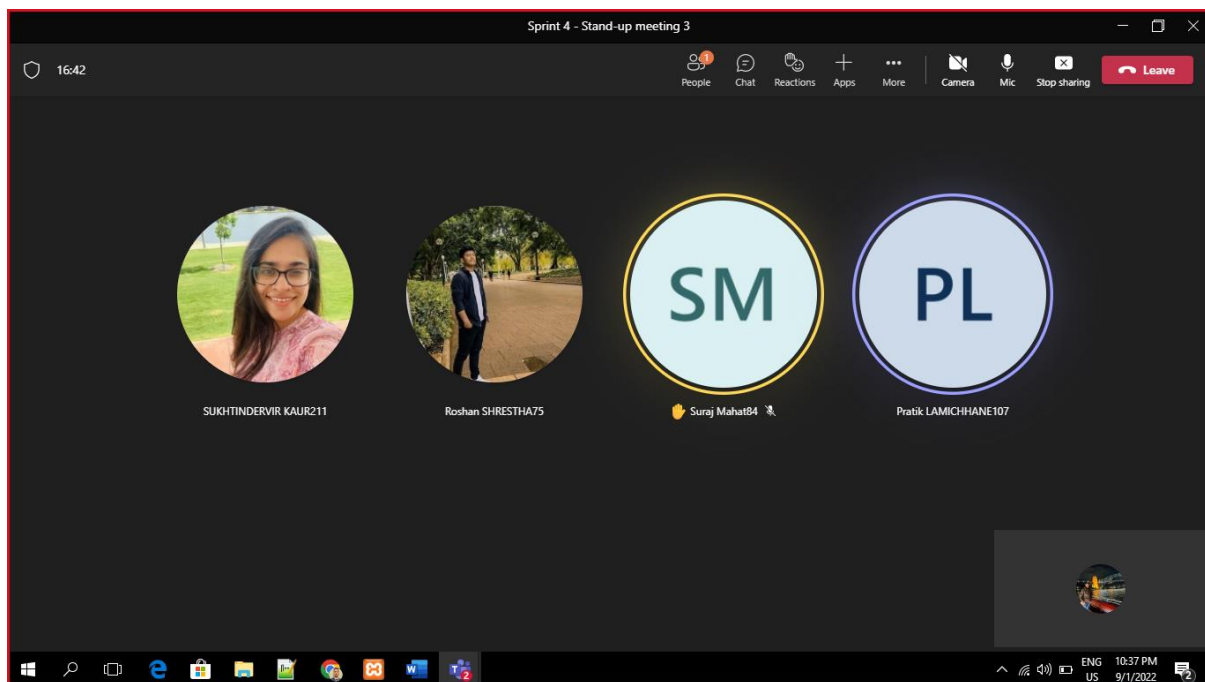
**Attendees:** Muhammad Daniyal, Sukhtindervir Kaur, Suraj Mahat, Roshan Shrestha, and Pratik Lamichhane

**Minutes Taken by:** Sukhtindervir Kaur

**Agenda:**

- To discuss about project progression
- To discuss about new functionalities added to the portal
- To discuss login with LinkedIn functionality by Muhammad Daniyal
- To discuss booking appointment system added to the website

**Evidence:**



**Link:**

[https://australianatmc-my.sharepoint.com/:v/g/personal/30385522\\_students\\_atmc\\_edu\\_au/Ea6Y9StJaGVdMPrn7DWKIHSBqlDmUEJ3rTbgZ5A5Nhs0UA](https://australianatmc-my.sharepoint.com/:v/g/personal/30385522_students_atmc_edu_au/Ea6Y9StJaGVdMPrn7DWKIHSBqlDmUEJ3rTbgZ5A5Nhs0UA)

- Review meeting

**Date and time:** 10/08/2022, 3:00 pm – 3:30pm

**Venue:** MS Teams Conversation

**Attendees:** Anirudh Phadke (Client), Muhammad Daniyal (Product owner), Sukhtindervir Kaur (Scrum master), Suraj Mahat (team member), Roshan Shrestha (team member) and Pratik Lamichhane (team member).

**Minutes Taken by:** Sukhtindervir Kaur

**Link:** [https://australianatmc-my.sharepoint.com/:v/g/personal/30385522\\_students\\_atmc\\_edu\\_au/EQuYIQ5nViZPsWUwM0aXUgYBqG2TLXhjhPc4FD4pL7Dx-w](https://australianatmc-my.sharepoint.com/:v/g/personal/30385522_students_atmc_edu_au/EQuYIQ5nViZPsWUwM0aXUgYBqG2TLXhjhPc4FD4pL7Dx-w)

**Evidence:**



### **Agenda item 1: Demonstration of the project**

In this sprint, we focused on the responsive fully functional web design. To construct the employability tool, the project owner assigned duties to the scrum master and team members to use HTML5, CSS3, JavaScript, and other coding-related tools. The group then worked together to complete all the assigned tasks. Owner of the product Muhammad Daniyal gave a demonstration of the website and all its capabilities.

### **Agenda item 2: Feedback**

The client provided following feedback:

- Requested to randomize quizzes and disable some of the CSS functions
- Client was thrilled with innovative responsive design and aesthetics
- Client was very happy with our group work
- He encouraged our work and included functionalities

- Retrospective meeting

**Date:** 7<sup>th</sup> September 2022, 9:30 pm-10:00 pm

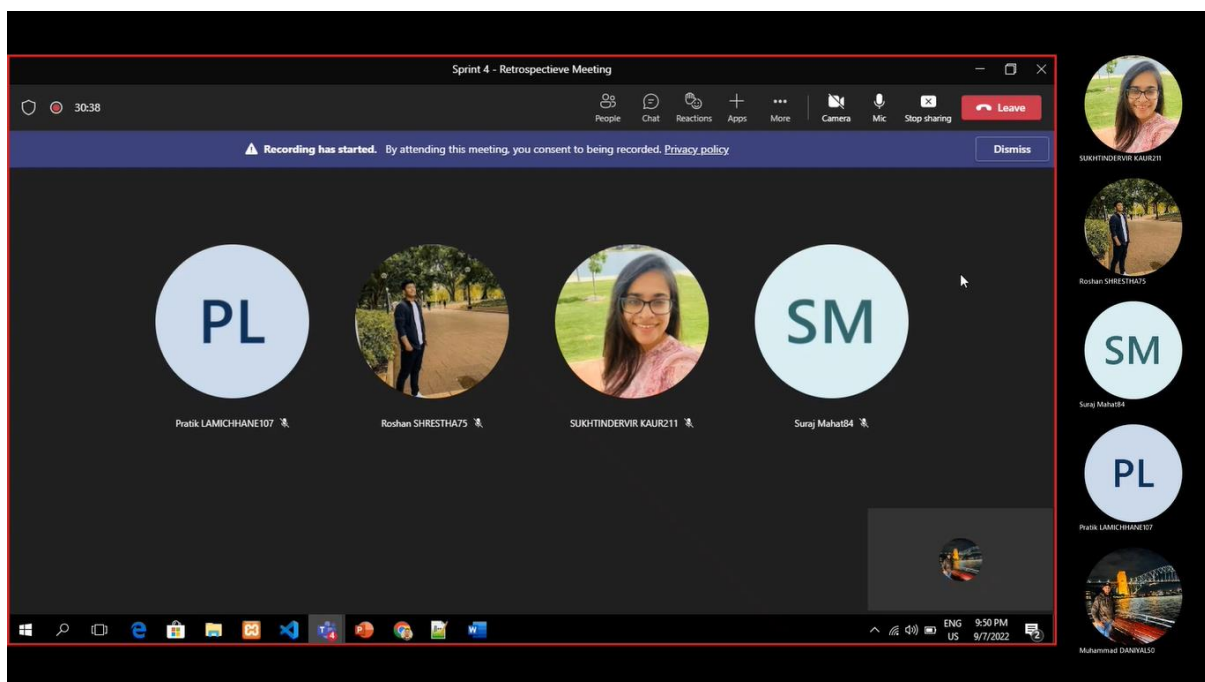
**Venue:** MS Teams conversation

**Attendees:** Muhammad Daniyal (Product owner), Sukhtindervir Kaur (Scrum master), Suraj Mahat (Team member), Roshan Shrestha (Team member) & Pratik Lamichhane

**Minutes Taken by:** Sukhtindervir Kaur

**Link:** [https://australianatmc-my.sharepoint.com/:v:/g/personal/30383565\\_students\\_atmc\\_edu\\_au/EWvjUylDVj1BrsScI3daoigBXbQEJVS00xmGeToAvCG4kw](https://australianatmc-my.sharepoint.com/:v:/g/personal/30383565_students_atmc_edu_au/EWvjUylDVj1BrsScI3daoigBXbQEJVS00xmGeToAvCG4kw)

**Evidence:**



**Item 1: What went right?**

- Tasks were completed before allocated time.
- Client meeting went well.
- Assessment portal demonstration went well.
- Development went well

**Item 2: What went wrong?**

- Communication between team could have been improved.
- Conflicts could have been managed well.
- Could have worked better on randomizing quizzes.

**Item 3: How is it being addressed?**

- Work is being done to address the need for randomizing quizzes
- Everyone is contributing well.
- Conflicts are being managed properly.

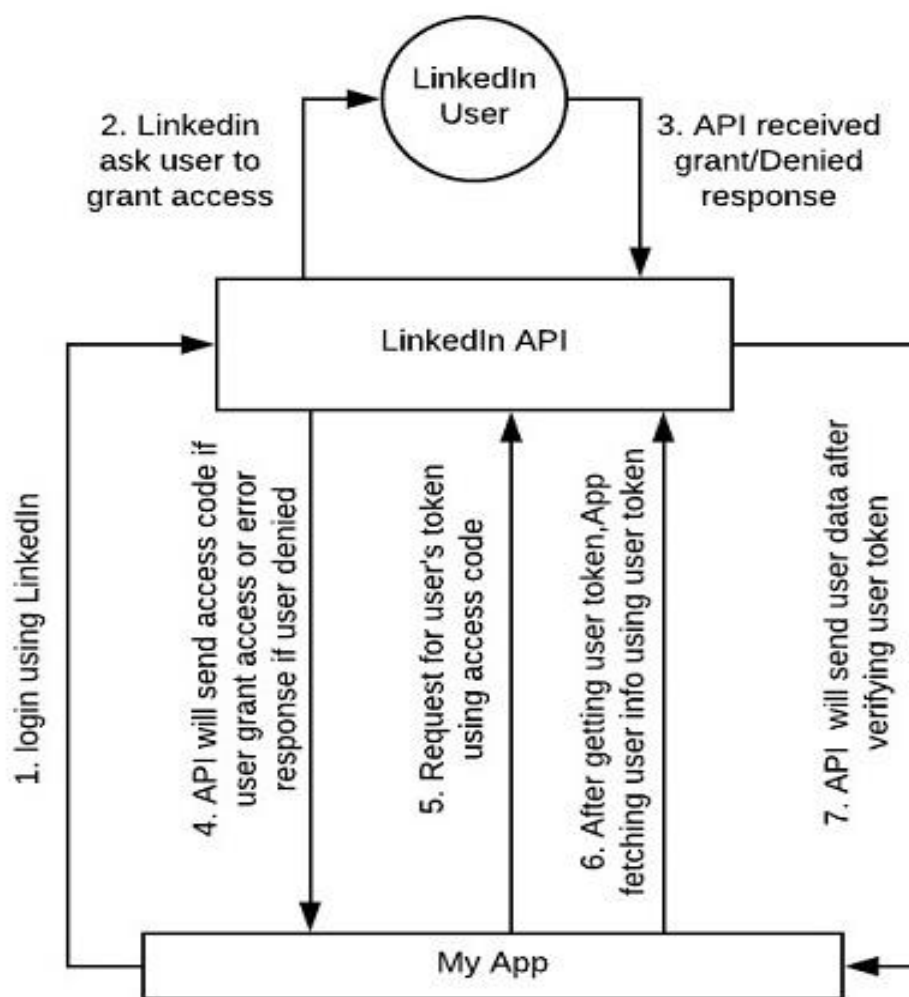
## Login with LinkedIn Account

### Advantages

Following are the pros of using Login with LinkedIn account button:

- Allows users to login using their LinkedIn Account
- Enhances customer satisfaction
- Allows users to login into site without having the need to create a new account
- Saves user time
- Provides secure login method

### Process flow



*Request flow between My App and LinkedIn API*

## ○ Requirements

I had to fulfill all the following requirements to develop login with LinkedIn account functionality:

- Application creation on LinkedIn Developers portal
- Installation of HybridAuth Library
- Creation of a Config.php file
- Creation of an index.php file
- Creation of logout.php file

## ○ Application development

I followed following steps to create the application:

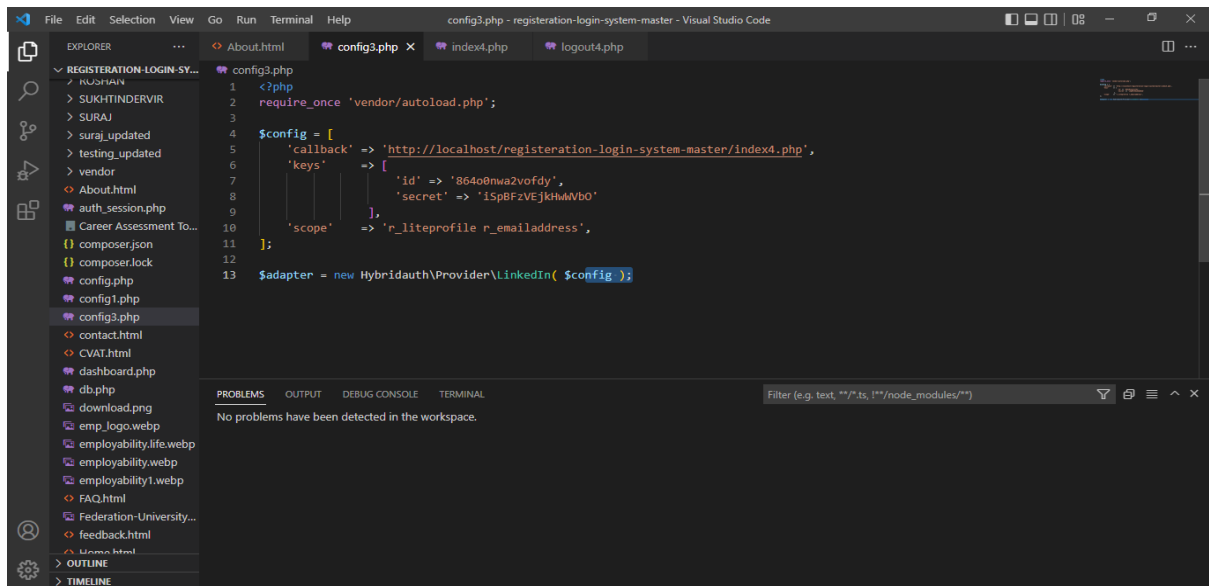
- Go to LinkedIn Developer Network
- Click on the 'Create Application' button
- Complete the basic information on the form
- Add redirect URLs
- Copy the Client ID and Client Secret keys

## ○ Installation of HybridAuth Library

- It is an open-source social sign-on PHP library.
- It handles OAuth process
- Command used: "composer require hybridauth/hybridauth"

## ○ Development of Config.php file

```
> <?php
> require_once 'vendor/autoload.php';
>
> $config = [
>     'callback' => 'http://localhost/registration-login-system-master/index4.php',
>     'keys' => [
>         'id' => '864o0nwa2vody',
>         'secret' => 'iSpBFzVEkHwWVbO'
>     ],
>     'scope' => 'r_liteprofile r_emailaddress',
> ];
>
> $adapter = new Hybridauth\Provider\LinkedIn( $config );
```



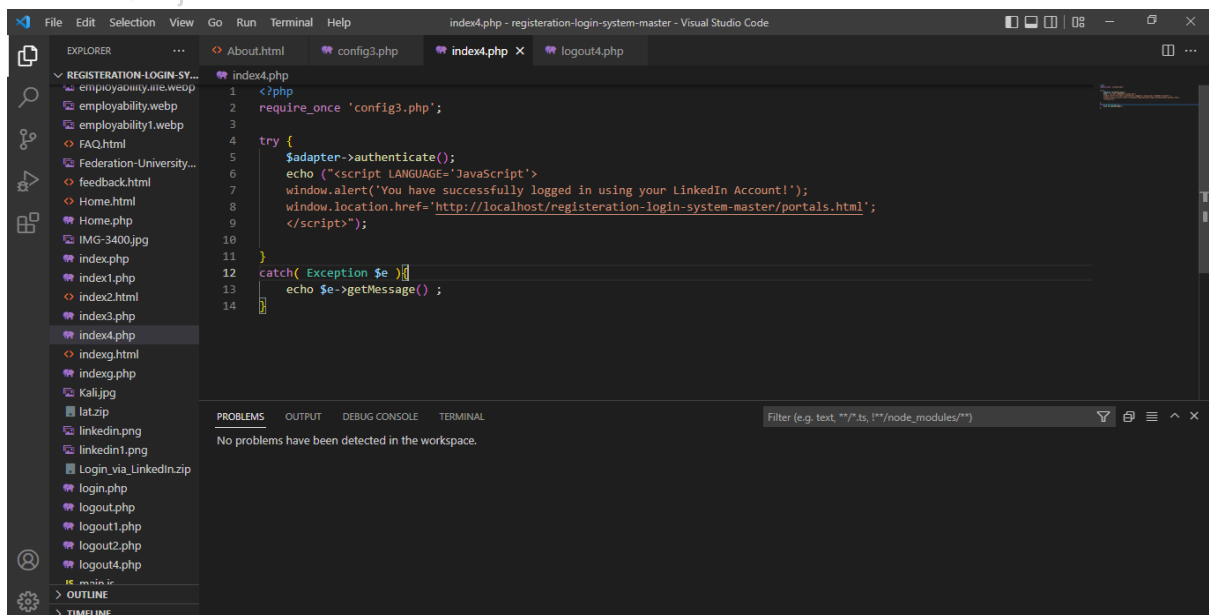
## Development of Index.php file

```

<?php
require_once 'config3.php';

try {
    $adapter->authenticate();
    echo "<script LANGUAGE='JavaScript'>
    window.alert('You have successfully logged in using your LinkedIn Account!');
    window.location.href='http://localhost/registration-login-system-
    master/portals.html';
    </script>";
}
catch( Exception $e ){
    echo $e->getMessage() ;
}

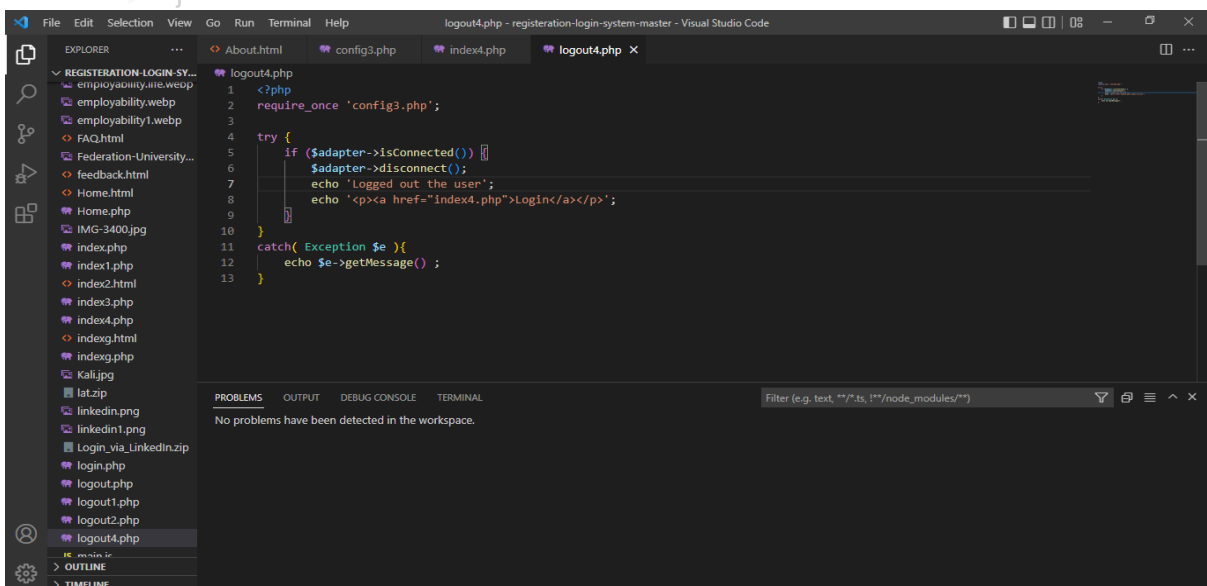
```



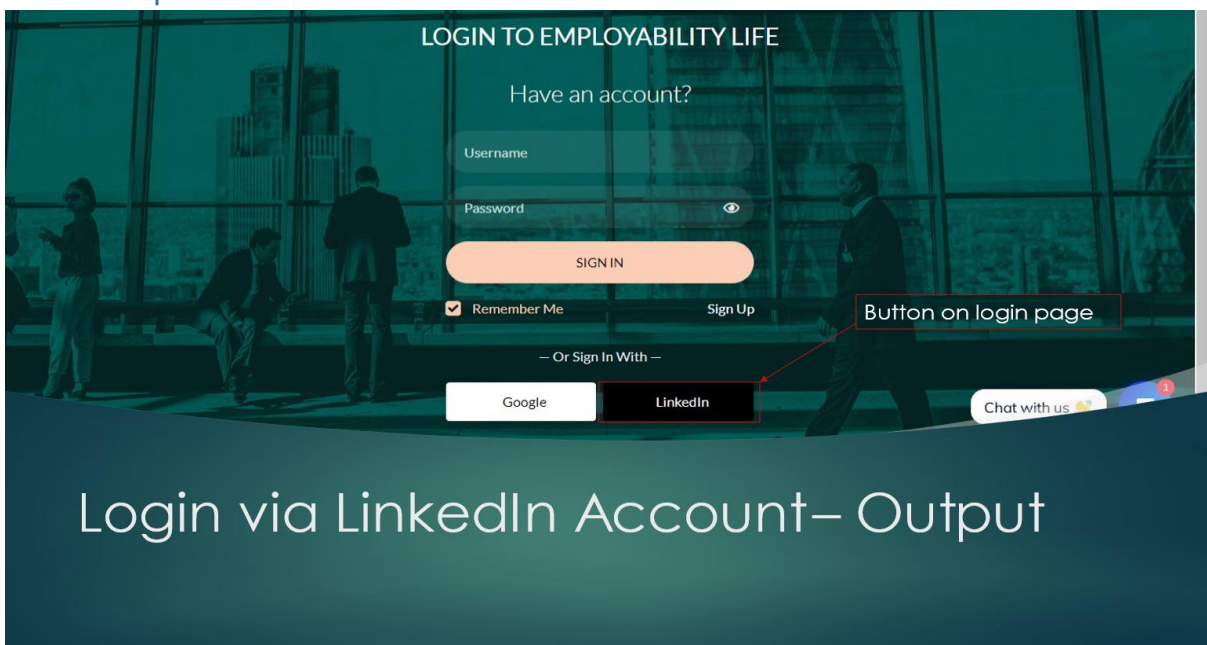
- Development of logout.php file

```
<?php
require_once 'config3.php';

try {
    if ($adapter->isConnected()) {
        $adapter->disconnect();
        echo 'Logged out the user';
        echo '<p><a href="index4.php">Login</a></p>';
    }
}
catch( Exception $e ){
    echo $e->getMessage() ;
}
```

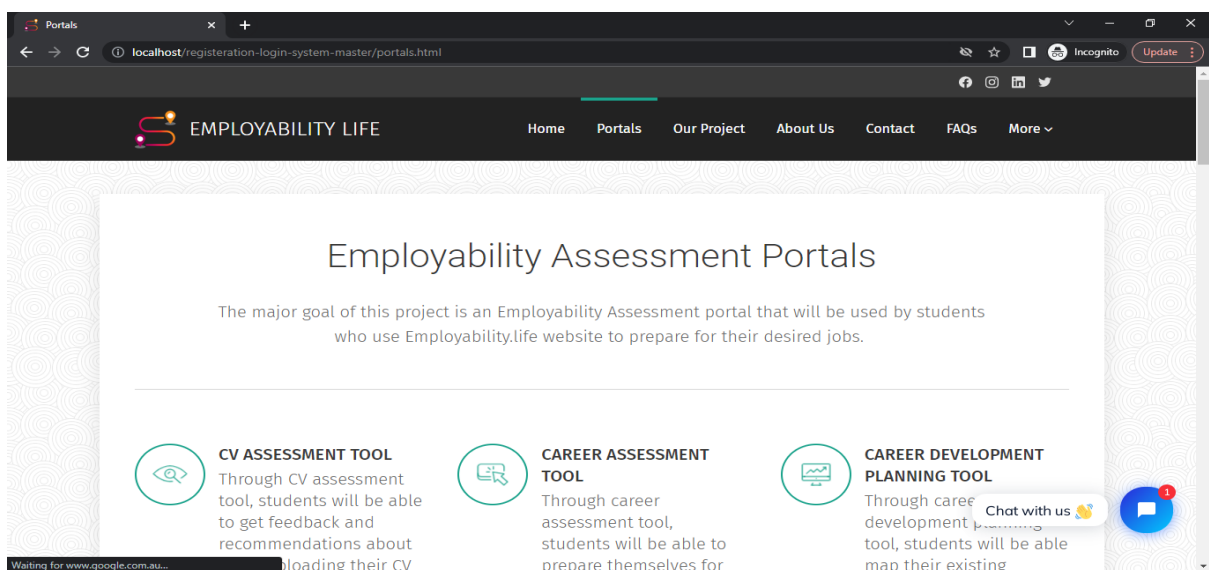
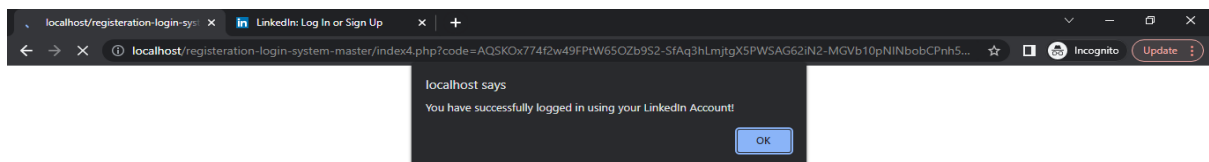
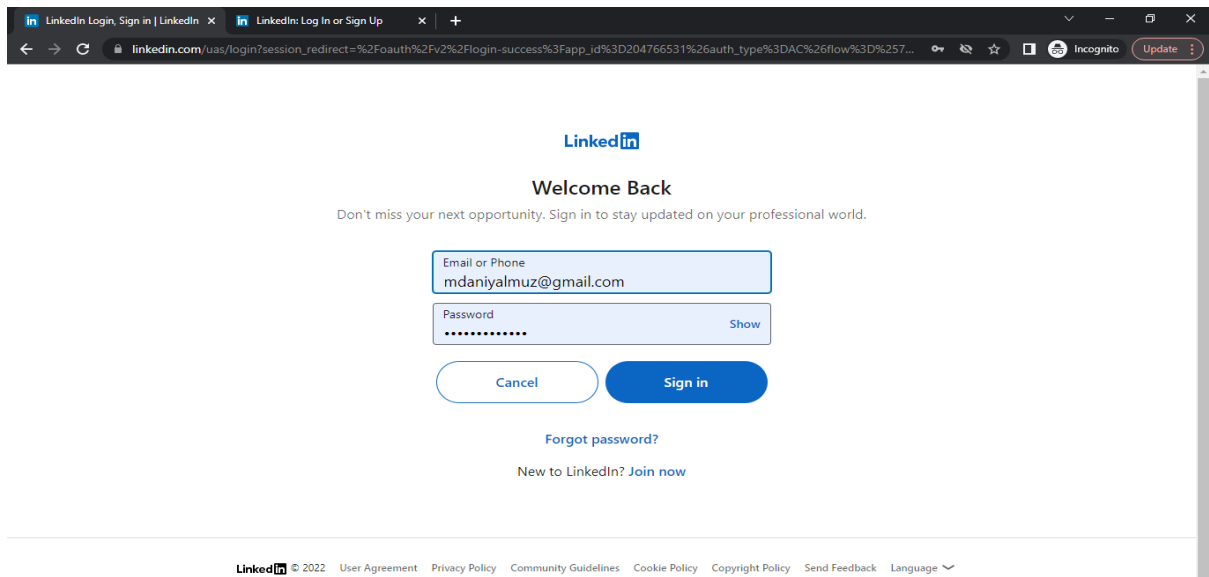


- Output



Login via LinkedIn Account– Output







- Development of booking script

- Development of booking script

The screenshot shows a Notepad++ window editing a file named 'Home.php'. The code is PHP with embedded HTML and JavaScript. It uses Bootstrap classes for styling. A key feature is a booking button with a JavaScript snippet that includes a Facebook link and a 'viewBox' parameter. The status bar at the bottom shows 'PHP Hypertext Preprocessor file', 'length: 60,762 lines: 1,343', and 'Ln: 54 Col: 1 Sel: 349 | 3'.

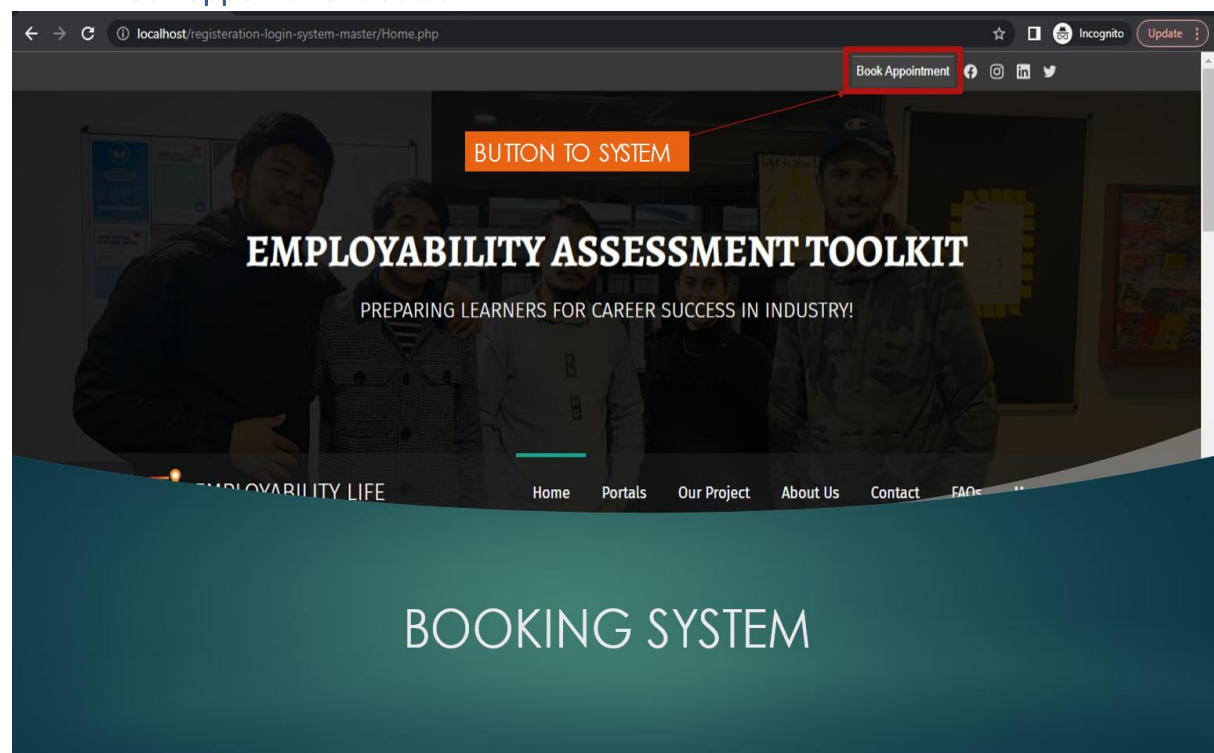
```

37 <div class="sw-c section-wrapper-content cf"><section class="s s-hb cf sc-cd sc-a vmd-w-default vmd-hbs-on">
38 <div class="s w cf">
39 <div class="s-o cf">
40 <div class="s-bq cf">
41 <div class="s-bq-l">
42
43
44 </div>
45 <div class="s-bq-l s-bq-lo"></div>
46 </div>
47 <div class="s-c">
48 <div class="s-hb-c cf">
49 <div class="hb-al">
50 <div class="si">
51 <div class="si-c"><!-- Place this tag where you want the booking button to show. -->
52 <div class="reservio-booking-button" data-business-id="employability-life" data-text="Book Appointment" data-bgcolor="#434343" data-color="#fff"></div>
53 <script id="reservio-widget-script" type="text/javascript" src="https://static.reservio.com/js/widget.js">
54 </script><a href="https://www.facebook.com/employabilitylife" target="_blank" rel="nofollow" title="Facebook"><svg xmlns="https://www.w3.org/2000/svg" viewBox="0 0 24 24" h
55 </div>
56 </div>
57 <div class="hb-cl">
58
59 </div>
60 <div class="hb-cgy">
61
62 </div>
63 <div class="hb-lang">
64
65 </div>
66 </div>
67 </div>
68 </div>
69 </section><section class="s s-hn s-hn-default s-hn-bottom wmd-mt-classic wmd-na-c logo-classic sc-dt vmd-w-default vmd-nh-m hn-no-bq hm-claims vmd-nav-sticky menu-bottom">
70 <div class="s-w">
71 <div class="s-o">
72
73

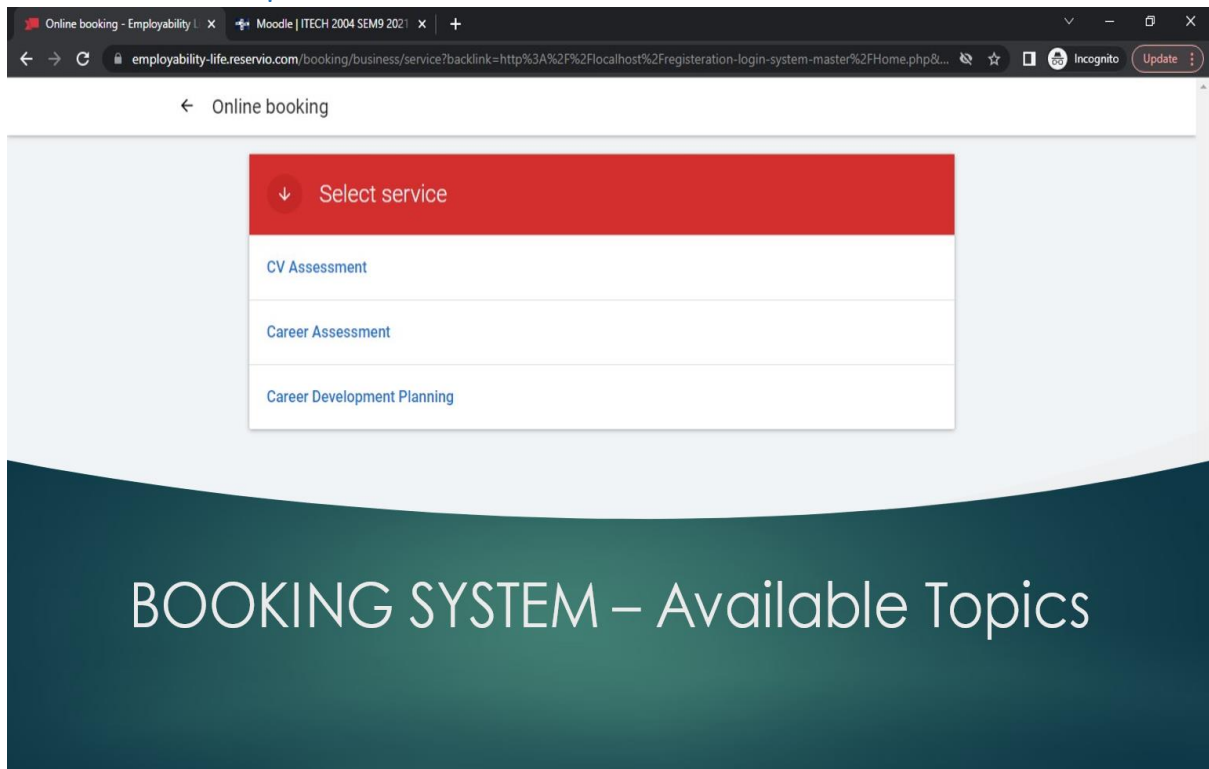
```

PHP Hypertext Preprocessor file      length: 60,762 lines: 1,343      Ln: 54 Col: 1 Sel: 349 | 3      Windows (CR LF) UTF-8      INS

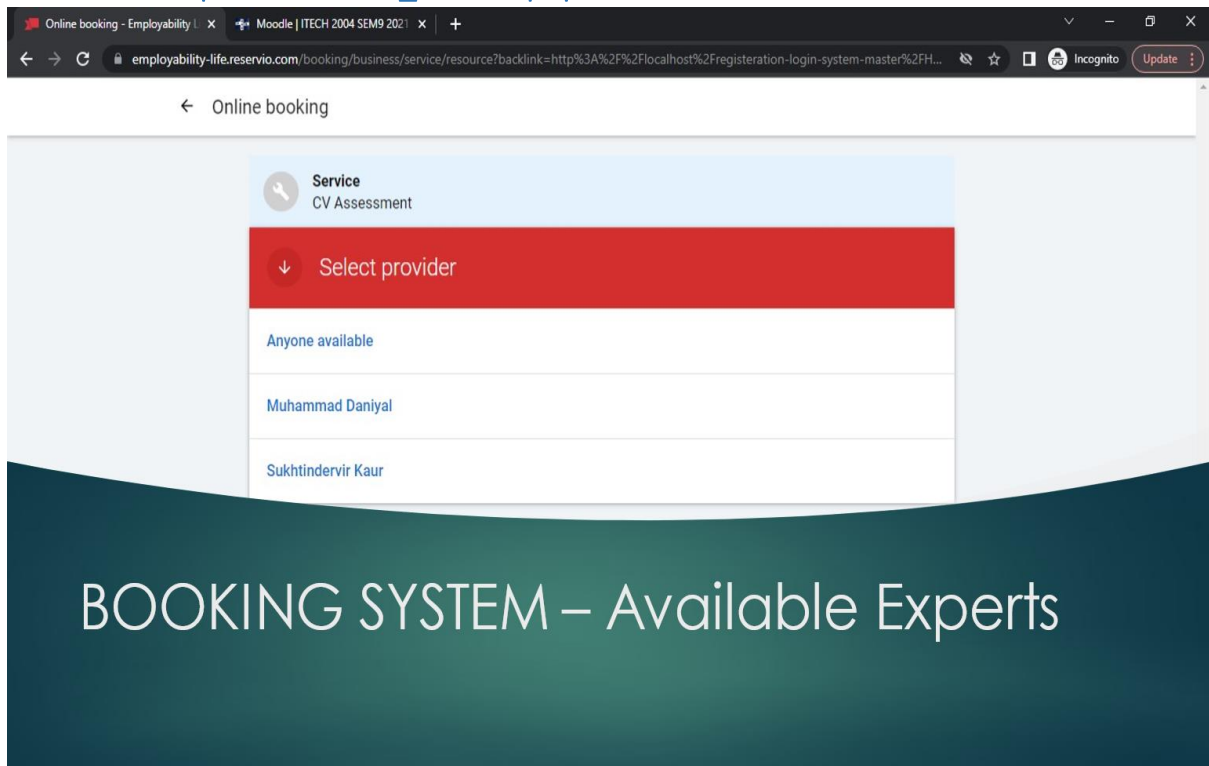
- Book appointment button



## Available topics



## Development of auth\_session.php file



- Schedule systems

The screenshot shows a web browser window with the URL <http://empejobility.02m.com/booking/business-service/master/2?time=phdexam&id=114>. The page title is "Online booking".

On the left sidebar, there are two menu items: "Service" with a clock icon and "Provider" with a person icon. The "Provider" section is active, showing the name "Muhammad Danyal".

The main content area has a red header with a dropdown arrow and the text "Select date". Below this is a calendar for "September 2022". The date "5" is selected, which is a "Monday". To the right of the calendar, it says "All times are in different timezone (UTC +11:00)".

Below the calendar, there is a section titled "Afternoon" with a table of time slots:

3:00 pm	3:15 pm	3:30 pm	3:45 pm
4:00 pm	4:15 pm	4:30 pm	

The browser's taskbar at the bottom shows various application icons, including the Start button, File Explorer, Microsoft Edge, and several other open programs.

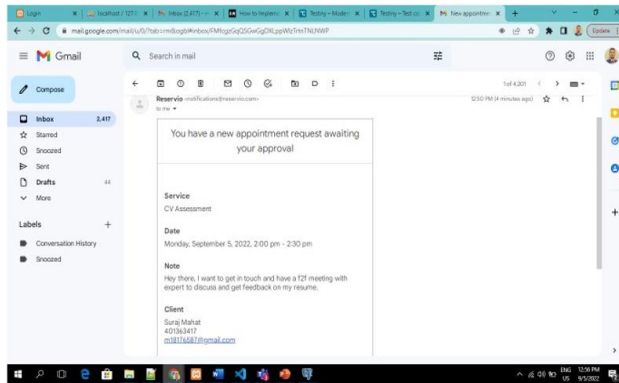
## BOOKING SYSTEM –Available Experts

- Booking information form

## BOOKING SYSTEM

### ○ Booking confirmation

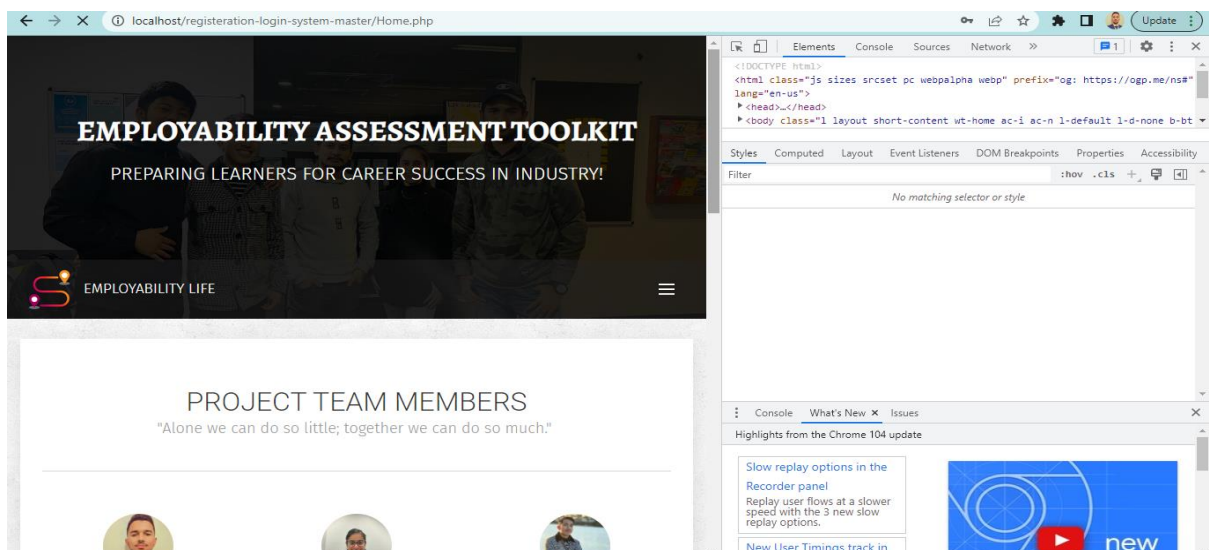
After the user has filled out the required information and submitted the form, a confirmation email will be sent to both experts and user.



### ○ Development of responsive web-design

In sprint 4, I intended on developing a responsive website design in order to get users' attention so that user can easily access the site on any devices. This web-design is compatible with all devices.

- Used media queries to accomplish task
- Compatible for mobile devices
- Compatible for PCs, compatible for Laptop devices
- Compatible for iPad devices



For better styling and website design, I used bootstrap imported style sheets in code editor. Following sheets were utilized:

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.13.0/css/all.min.css">
```

```
<link rel="stylesheet" href="https://preview.colorlib.com/theme/bootstrap/login-form-20/css/A.style.css.pagespeed.cf.eQk9-CoeFP.css">
```

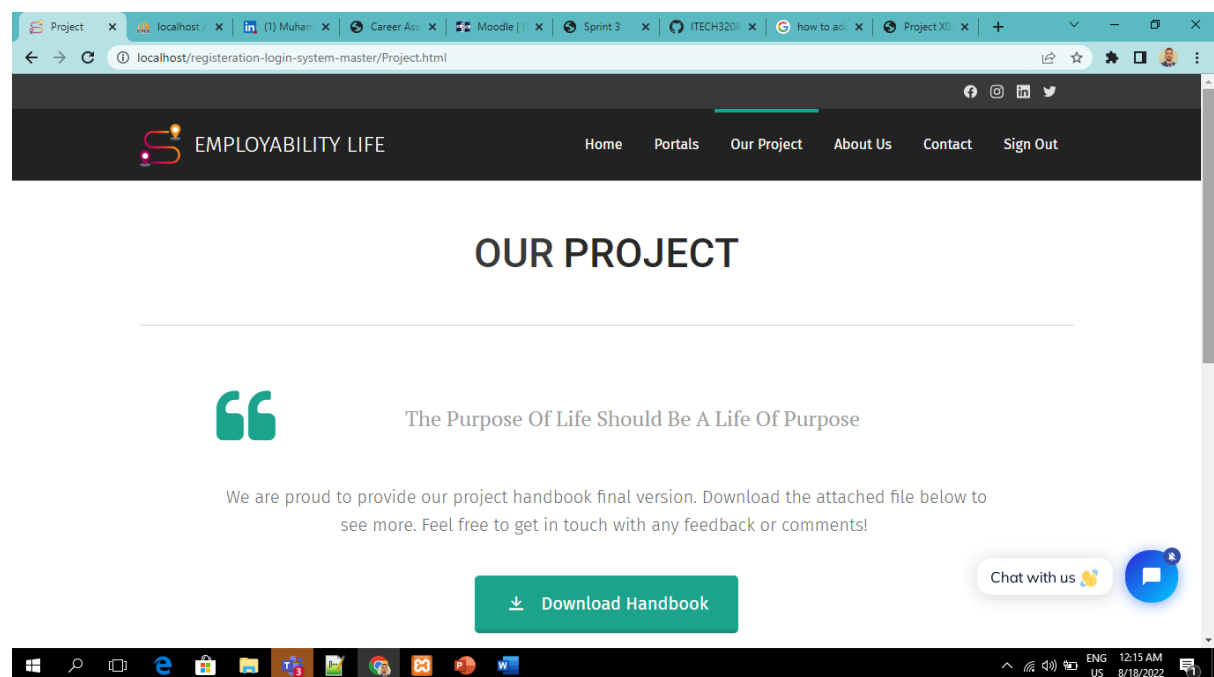
Throughout the website, I used clear and intuitive font-icons so that the user can easily get information about the external link provided. For this very purpose, I linked following scripts to web-pages:

```
<link href="https://fonts.googleapis.com/css?family=Lato:300,400,700&display=swap" rel="stylesheet">
```

```
<script src="https://kit.fontawesome.com/a076d05399.js" crossorigin="anonymous"></script>
```

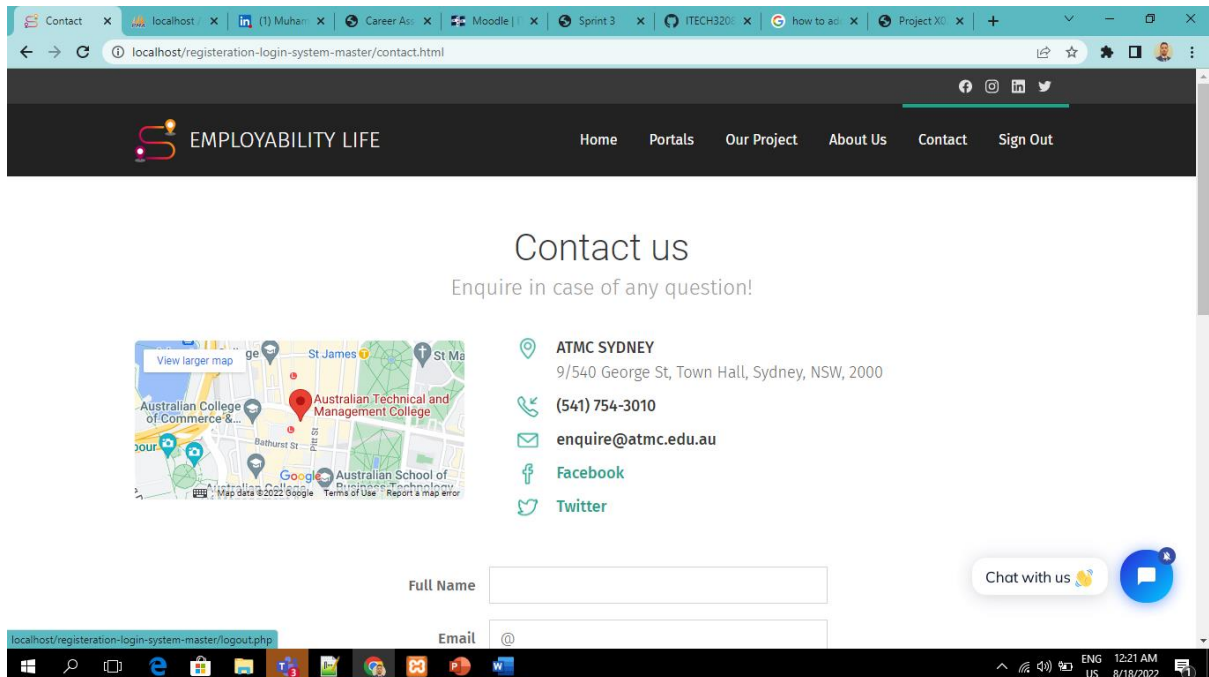
## Development of OUR PROJECT page

On this page, I have provided our project handbook. The main objective of the project handbook documentation is to guide the project team in the performance of its responsibilities. It includes designing the prototype, construction, and completion of the project by fulfilling the project requirements to a specified schedule. The main audience of this project are students, and members of the **employability.life** website. the rudimentary goal of this project is to develop a comprehensive employability assessment portal which will be comprised of three main functions i.e., a career assessment tool, a Curriculum Vitae (CV) assessment tool and a career development planning tool. It will benefit the stakeholders in many ways by saving time, managing large volume of candidates, providing more efficient review process and sorting resumes based on keyword identifiers provided by the employer. Basically, CV screening determines whether a candidate is prepared and qualified enough to be considered for a job role based on education and experience of the candidate.



## Development of SIGN OUT page

This button calls logout.php file and ends user session as it can be seen in the following screenshot:

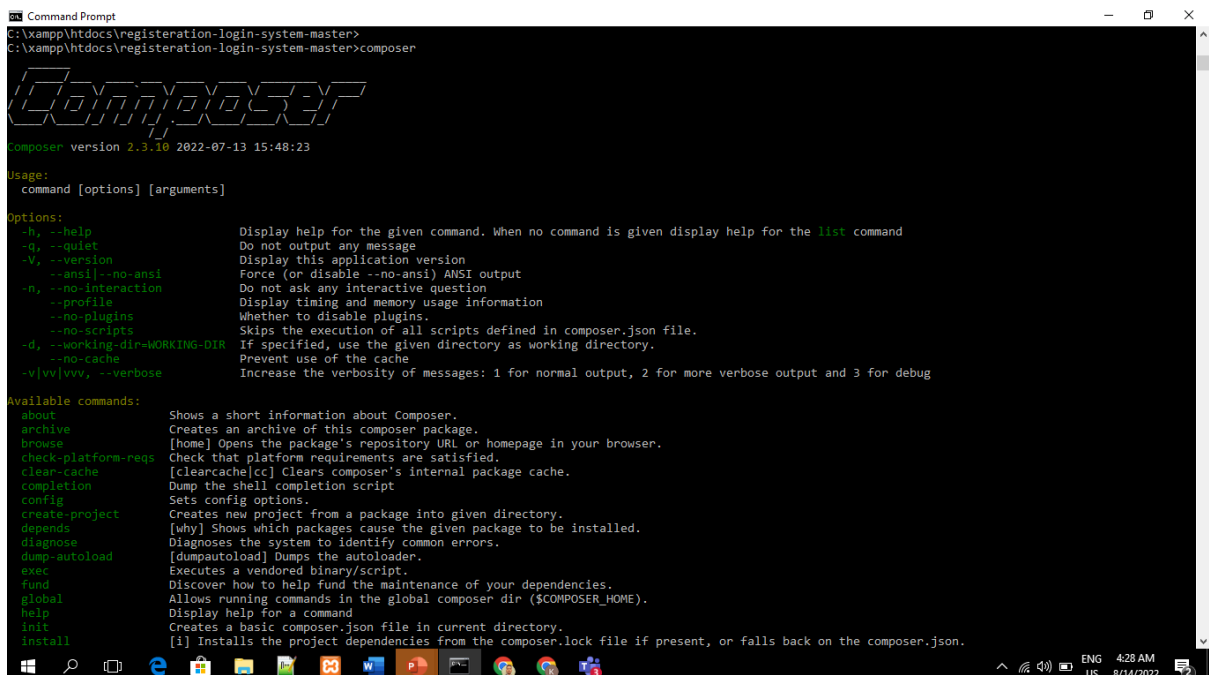


After clicking this button user will be taken back the login page.

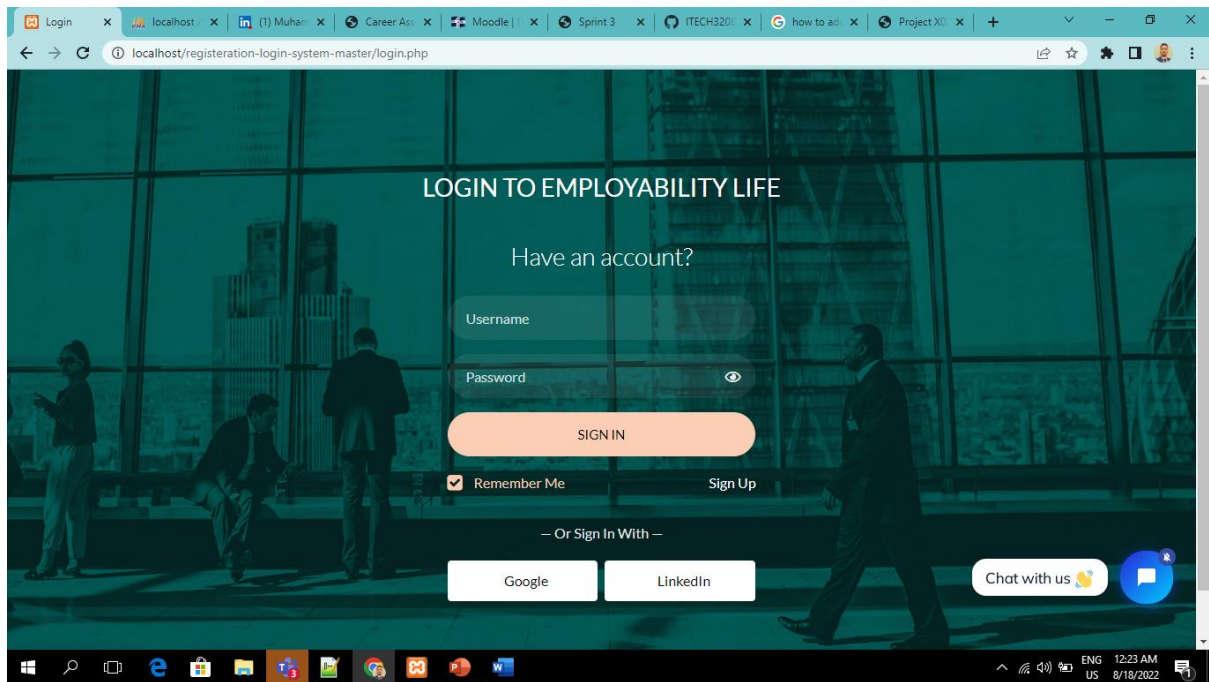
## Login with Google account

- Login with Google functionality using oAuth APIs, composer, and Java Library

Firstly, I downloaded composer as it can be seen in the following screenshot:



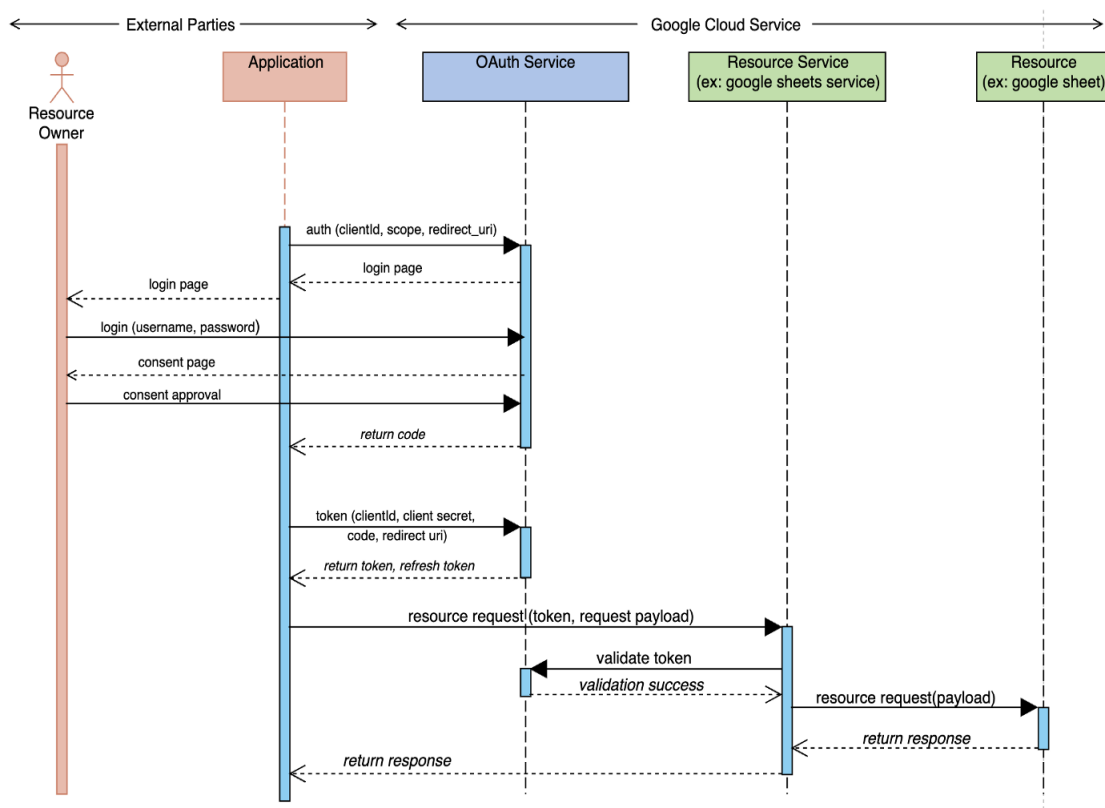


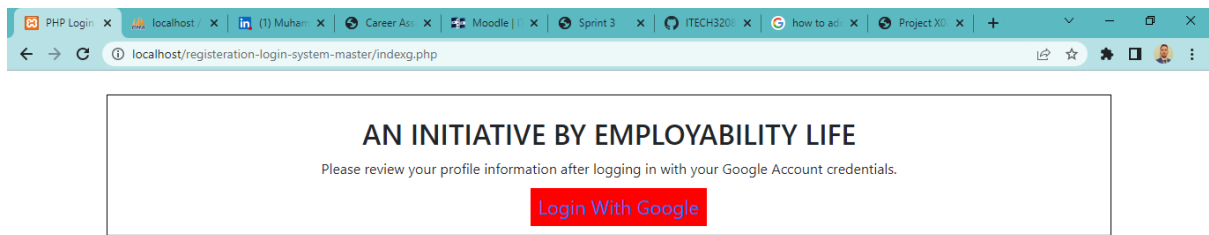


After the user clicks Google icon, they will be taken to a new page where the user will be able to review the information that is to be taken by the site.

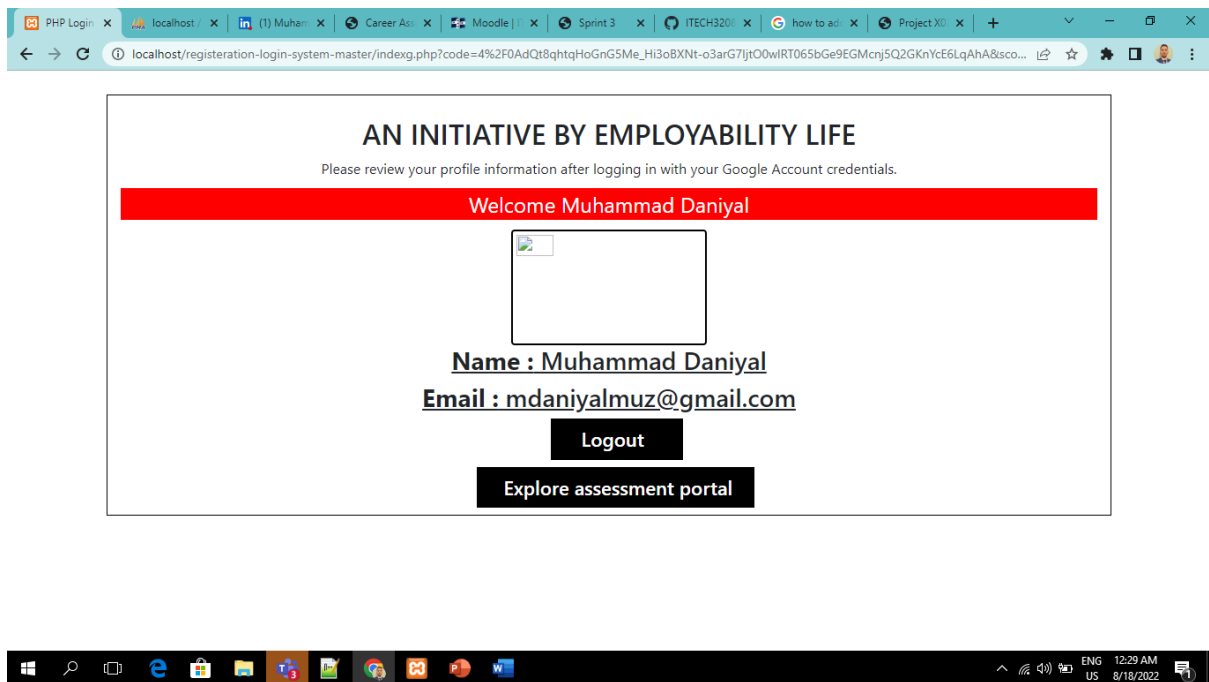
#### ○ Fetch user GOOGLE account information after login

Following diagram provides an overview of the working of the Google OAuth credentials:

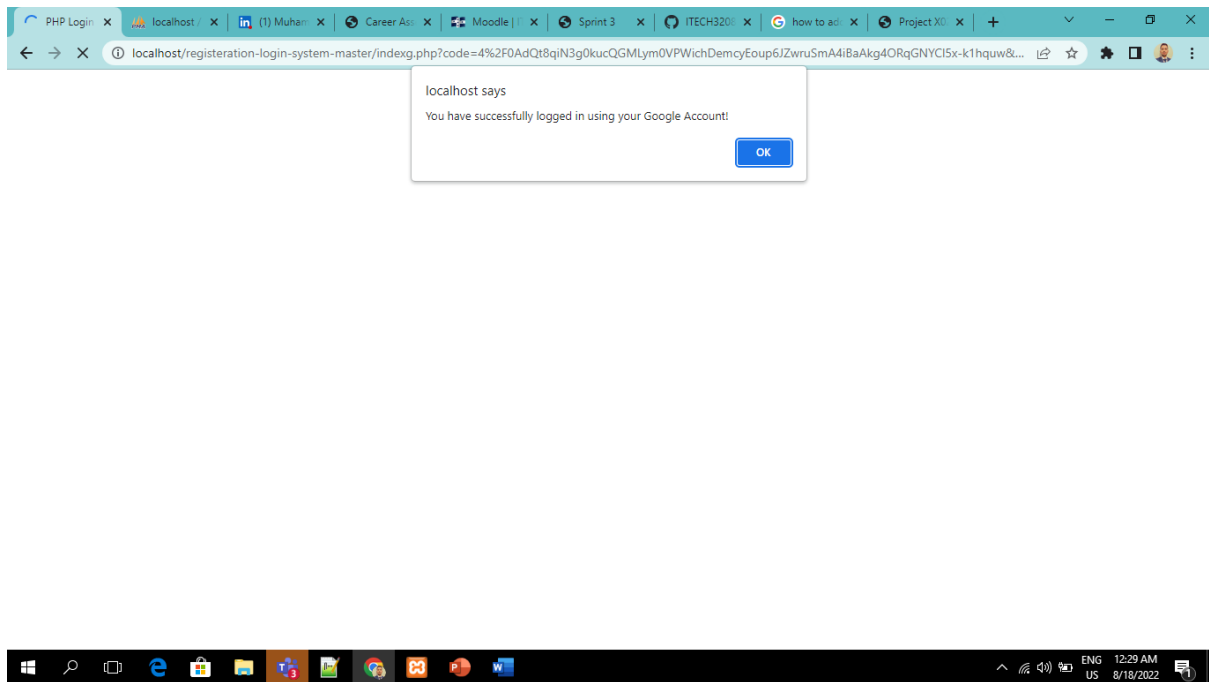




Following screenshot gives information about the user data that is to be collected for login purposes:







### ○ Functionality of email forwarding

Once the user fills-in information in the required fields, I'll be getting the response via email as it can be seen from the following screenshot:

Someone just submitted your form on <http://localhost/>.

Here's what they had to say:

Name	Value
Full_Name	Muhammad Daniyal
Email	<a href="mailto:m18176587@gmail.com">m18176587@gmail.com</a>
Message	Hey
send	007
attachment	CV_MUHAMMAD_DANIYAL.png

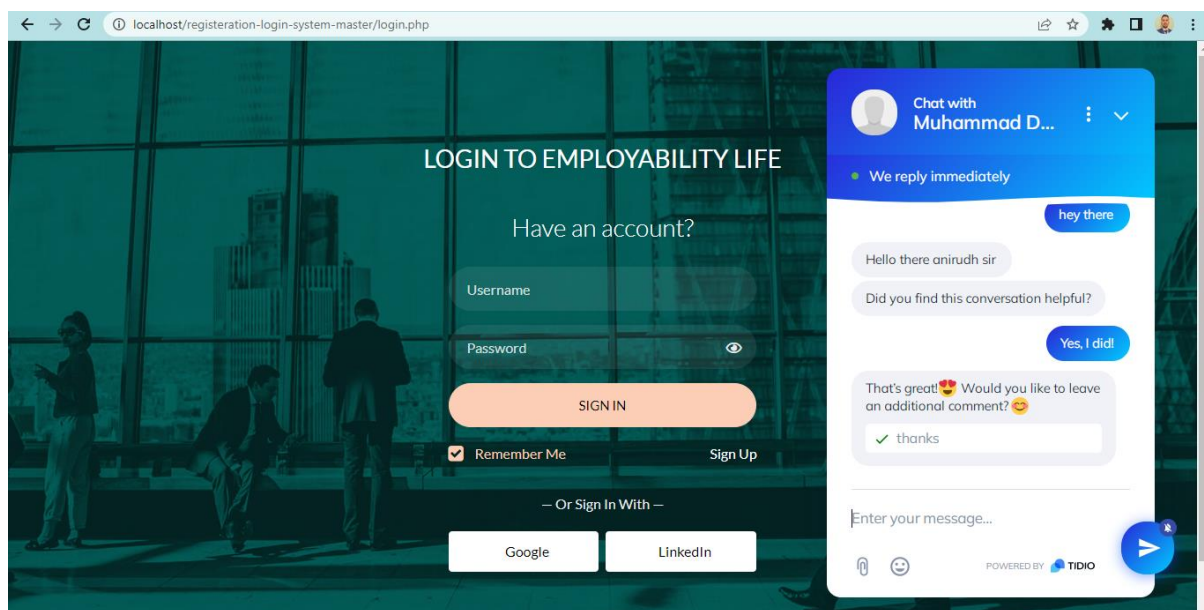
Submitted at Mon, Aug 15, 2022 4:26 AM (UTC)

## Live chat-bot functionality

One of the biggest achievements in this project so far also includes live chatbot for which I had to research for 1 week to find out a way to add in website. This chatbot has following functionalities:

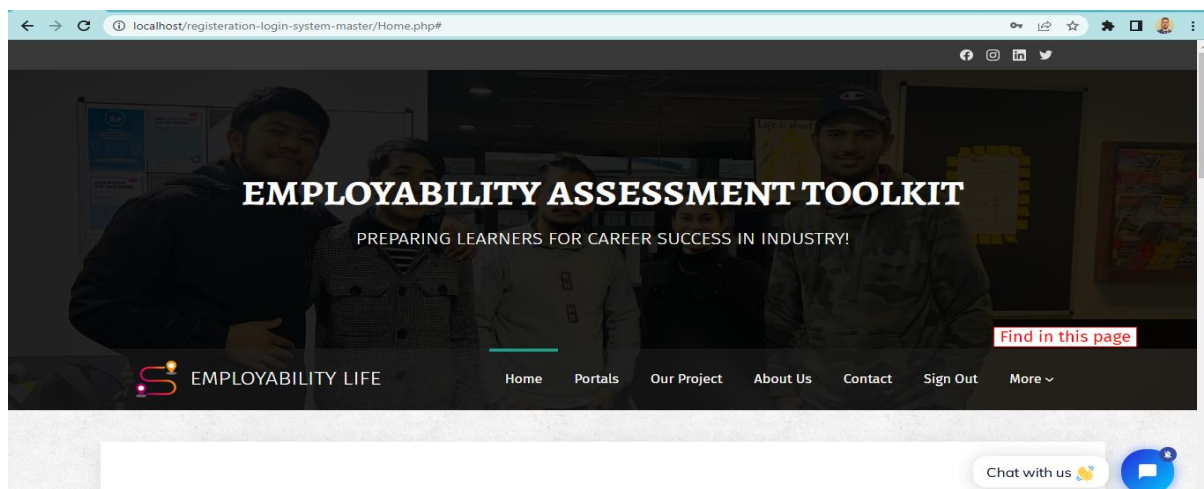
- It provides real-time responses
- It helps user to get in touch with an expert
- It helps users to solve problems in real-time
- With 24/7 chat capabilities, bot can answer customer questions instantly, without requiring them to call service team between working hours.
- It provides user the functionality to rate the conversation.
- It provides automated welcome message to users.

Following screenshot provides chat-bot functionality:



## Search utility functionality

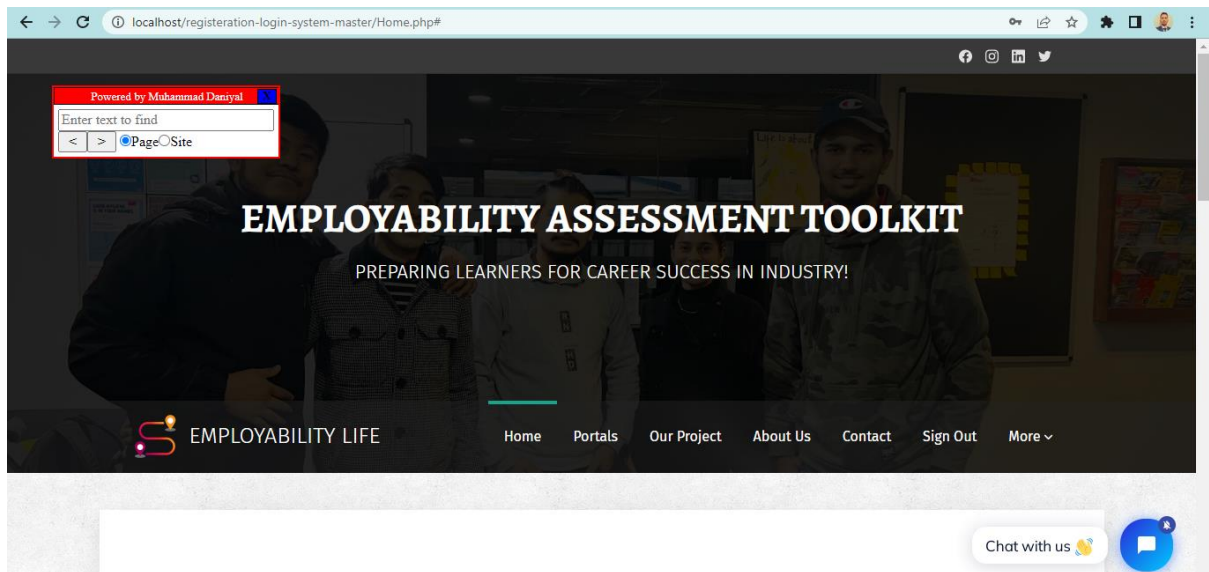
It has always fascinated me to have a search functionality like Google (Ctrl+F) to help the user find specific information that they are looking for. In previous semester vacations, I was researching on this topic and after one month, I was able to find the correct information. I have deployed the find in the page and site functionality on the website:



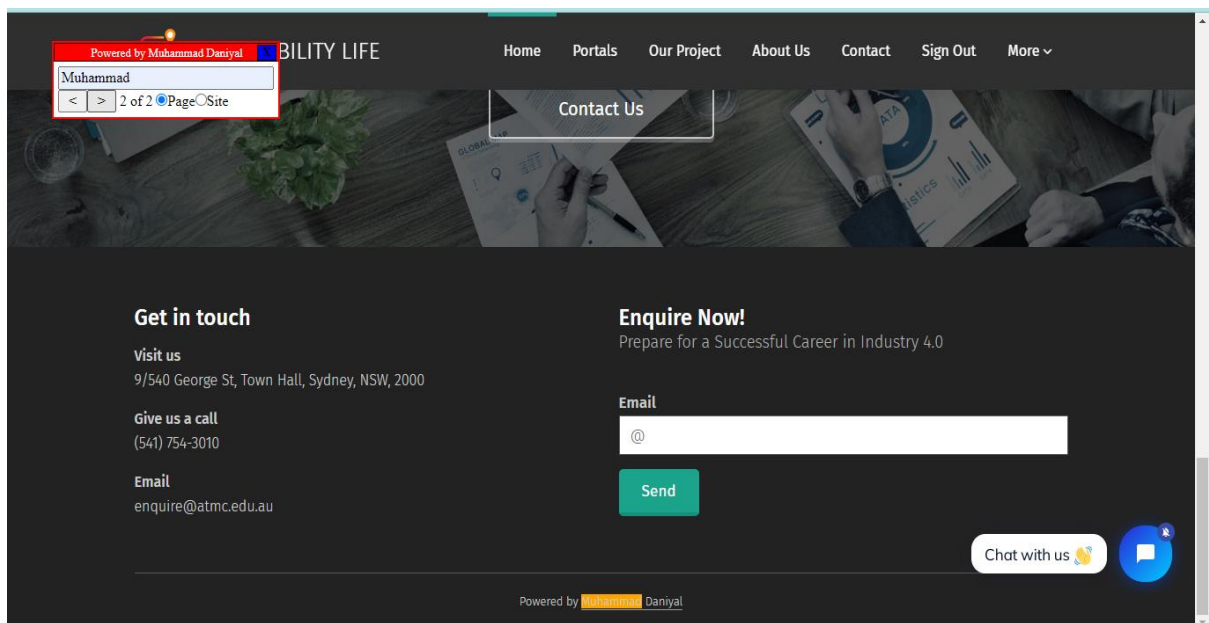
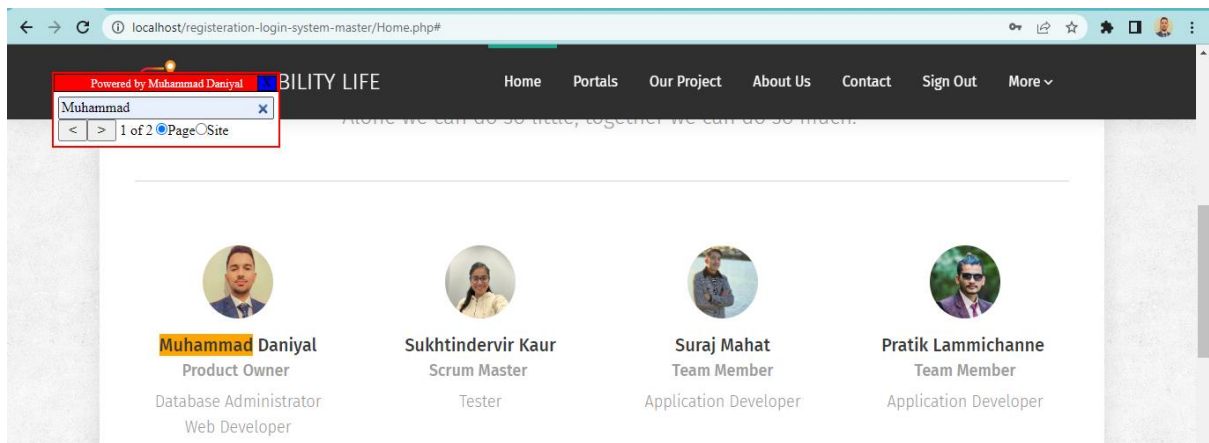
Our client was happy with all the improvements that he had suggested us, and he appreciated our work. Following screenshots provide the functionality of “Find in this page” button:

Step 1: User will need to click more button in the navigation as shown above.

Step 2: A pop-up will come with text input field for the user to search information as shown below:



Step 3: Lets search for word “Muhammad”. It will display the word count throughout the webpage and will highlight the required content as shown below:



## Non-functional requirements

### Platform

The employability assessment portal which we are developing will run in the Moodle platform of the employability.life. It will be using many technologies. Everyone will be able to easily see these portals on their personal computers, tablets, and mobile devices.

### Communication

The portal will need to connect to the mail server using Simple Mail Transfer Protocol (SMTP), POP3 and IMAP through which users will be able to fill out the online query form to helpdesk of E/L. POP3 protocol works on two ports which are port 110 and port 995. IMAP protocol works on two ports which are port 143 and port 993. SMTP protocol works on three ports which are port 25, port 2525 and port 465. The portal will need to connect to the HTTPS server using (Transmission Control Protocol) TCP. HTTPS works on port 443 for web browsing. It provides encryption and transport over secure ports.

### Security and Privacy

For the development of open-source platform, security raises many concerns. Our team will be able to fix any detected bugs and vulnerabilities quickly. The organisation will have complete control over the data because we would not be able to monetise any student data or use organisational data. We will offer full commitment to privacy that is full data control and transparency. Password will be stored using PhpMyAdmin. The organisation will need to adhere to local privacy legislation requirements. Two factor authentication will be used for user's data. We will be using Moodle privacy API that plug in developers to implement changes in GDPR compliant.

### Audience, Usability and Accessibility

People from all over the world will be able to use it as an open-source platform. Over 100 language translation will be provided using Google Translator API. The intended users are students and educational institutes. The interface will be quite simple to use. It will provide equal functionality and information to all people. There will not be any barriers for users regardless of disabilities, assistive technology that are used, different screen sizes and input devices. From the site administration panel, employability admins will be able to find accessibility toolkit under admin tools in plugins sections. Three types of accessibility issues will be covered that is visual, auditory and mobility.

### Reliability

System availability, up/downtime, fault logging, redundancy, error tolerance will be fixed and handled quickly in the time of any fault. The open-source software will be maintained and upgraded regularly. It will be flexible management system that will create for assessments. It will be user friendly interface which is easy to access and offers content management and security. Modifiability

The employability assessment portal will allow authorised educational institutions, staff members and students to customize the appearance of the platform through changing colour scheme, font style, readability, and font sizes.

Amendments made in the tool will only reflect to an organizational institution, staff, or students. A non-programmer will be able to easily amend the tool appearance. The system will ask the user in case if any new version of the software is available by popping up a notification.

## Economic

There are some economic constraints/requirements in our project development. Choice of platform, development tools, frameworks and libraries, external services, deployment targets and more are all dictated by economic constraints. This project is funded by [employability.life](https://employability.life) under ATMC initiative. Employability is responsible for providing access to the site code so that we could add an extra feature which is employability assessment portal after approval from the client.

## Legal

Licencing and certification will be provided by [employability.life](https://employability.life) under Moodle consent to amend the site for organizational and educational purposes.

## Standards

We will need adhere to existing standards for file formats, network systems, or to be compatible with other systems or products under employability requirements. The assessment portal will be designed according to employability aesthetics and designs to meet client's needs.

## Conclusion:

To recapitulate, this project is proving very helpful for me since I'm getting insightful knowledge on how to manage project effectively and efficiently. External dependency of our project is to work on upcoming sprint after the completion of previous sprint because we have divided the project in sprints to complete all development of the portal. We need to finish all sprints on the allocated time to achieve our main goal of the project. Dependencies frequently take the form of an approval. I'm responsible for keeping track of external dependencies closely to ensure that the project is completed on schedule. I'm feeling enthusiastic for upcoming sprints.

## GitHub Links:

- [https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/tree/master/Login\\_via\\_LinkedIn](https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/tree/master/Login_via_LinkedIn)
- [https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Login\\_via\\_LinkedIn/config3.php](https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Login_via_LinkedIn/config3.php)
- [https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Login\\_via\\_LinkedIn/index4.php](https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Login_via_LinkedIn/index4.php)
- [https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Login\\_via\\_LinkedIn/logout4.php](https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Login_via_LinkedIn/logout4.php)
- [https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Booking\\_system](https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Booking_system)
- [https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/LinkedInSignInSQL\\_DataStoring\\_TABLE](https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/LinkedInSignInSQL_DataStoring_TABLE)
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/db.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/indexg.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/registration.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/login.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/logout1.php>

- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/logout.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/db.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/config.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/UpdatedHome.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/portals.html>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/About.html>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/search.php>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Project.html>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/contact.html>
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/users1.sql>
- [https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Search\\_Utility](https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/Search_Utility)
- <https://github.com/ITECH3208andITECH3209feduni/project-repo-project-x02/blob/master/users1.sql>