

Artist's soul

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Task	Alaa	Atheer	Shatha	Munirah	Talla
Functional requirement	*	*	*	*	*
nonfunctional requirement		*	*		
Use case diagram	*	*			*
Class diagram				*	
Data flow diagrams	*	*	*	*	*
Activity Diagrams	*	*	*	*	*
Sequence diagrams	*	*	*	*	*
Interface structure design (ISD)					*
Design Architectures	*		*		
Entity Relationship Diagram (ERD)		*			
Implementation	*	*	*	*	*
Test Cases	*	*	*	*	*

1. INTRODUCTION

SOFTWARE IDEA

"ARTIST'S SOUL CENTER WEBSITE"

ART IS OF INTEREST TO MANY PEOPLE, BUT SOME PEOPLE DO NOT KNOW WHERE TO START AND WHERE TO LOOK FOR WHAT THEY WANT TO LEARN. AND SOME ARTISTS WHO PRACTICE ART AS A HOBBY LOSE A LOT DUE TO THE DAMAGE TO THEIR ART TOOLS.

THROUGH THE SITE, YOU CAN BECOME A MEMBER, YOU WILL BE INFORMED OF THE LATEST EVENTS AND COURSES, AND ENJOY ALL THE PROGRAMS OF THE CENTER AT THE BEST PRICES, AND IT CONTAINS ALL THE SERVICES A MEMBER COULD NEED.

2. REQUIREMENTS SPECIFICATION

2.1 FUNCTIONAL REQUIREMENTS

2.2 NON-FUNCTIONAL REQUIREMENTS

CREATE ACCOUNT

- **user requirements**

1.The user should be able to create an account as a new member.

- **system requirements**

1.1 When the "sign up" button in the home page is clicked, the system should be able to display a page that includes a form demanding the following information:

- Full Name
- Valid Email address
- Gender
- Password (at least 8 characters of letters and numbers and start with a capital letter).
- Password confirmation.

1.2 The system have to verify the email by sending a verification code to their emails.

1.3 The system have to verify that the user password contain at least one lowercase letter, one uppercase letter, and one digit.

1.4 After entering the information above and clicking the "next" button, the system should be able to provide the following membership plans with their details:

- Basic plan
 - passion plan
 - professional
-

1.5 After choosing the membership plan and clicking the "next" button, the system should be able to provide available payment methods (credit card and PayPal) demanding the following card information :

- Name on the card
- card number
- CVV code
- Expire date

1.6 System shall be validate the information entered for the payment.

1.7 The system must provide an error message if the payment was not valid .

1.8 The system should store the member info as a record in the database.

LOGIN

- **user requirements**

2. The user should be able to log in using their email and password.

- **system requirements**

2.1 When "login" button is clicked, system shall be able to display login page that includes a form demanding the user's email and password.

2.2 The system should check if the given email is stored in the database or not.

2.3 The system should notify the user if the email is not register in database to create a new account.

2.4 The system shall verify the password if it matches the one in the database.

2.5 After login information are validated, the system will open the home page for the user.

PROFILE

- **user requirements**

3. Members will be able to view and edit their profile .

- **system requirements**

3.1 the system will display the member profile when the "profile" button is clicked.

3.2 The system will display the user's information from database.

3.3 The system should allow the user to update his information

3.4 the system will display all the reservations from database and sort them by their category.

3.5 the system will display the reservation details when it is clicked.

3.6 The system will allow the user to cancel his reservations if the "cancel" button is clicked

3.7 The system will display a confirm message to confirm cancelation.

3.8 The system will display the membership plans page if the "manage membership" button is clicked. If the "change plan" button is clicked and a new plan has been chosen, the system will display a confirmation message and update membership info in the member database.

3.9 The system shall be able to store all the updates in a database.

WORKSPACE BOOKING

- **user requirements**

4. members can book a workspace.

- **system requirements**

4.1 The system will display the workspace page when the "workspace" button is clicked .

4.2 The system will display workspace locations, room type, the hours limit and date.

4.3 The system will allow the user to book a workspace.

4.4 The system will store the booking information in the database.

PROGRAMS

- **user requirements**

5. The user will be able to view and choose a category.

- courses
- events

- **system requirements**

5.1 The system will provide a courses page when the "courses" button is clicked.

5.2 The system will allow the user to register in the courses.

5.3 The system will store the registration information in a database.

5.4 The system will display course details, start and end times, and trainee information.

5.5 The system will provide an events page when the "events" button is clicked.

5.6 The system will allow the user to register in the events .

5.7 The system will store the registration information in a database.

5.8 The system will display event details, descriptions, start and end times, and location.

Portability: The software program must run on Windows, Android, and iOS with the same performance.

Availability: To achieve this, the software program must be able to deal with sudden changes quickly and unnoticed by customers, so that the services provided by the system are not lost when a failure or error occurs in it or in its software, which increases the speed of the system's response when a failure occurs and the speed of repairing it.

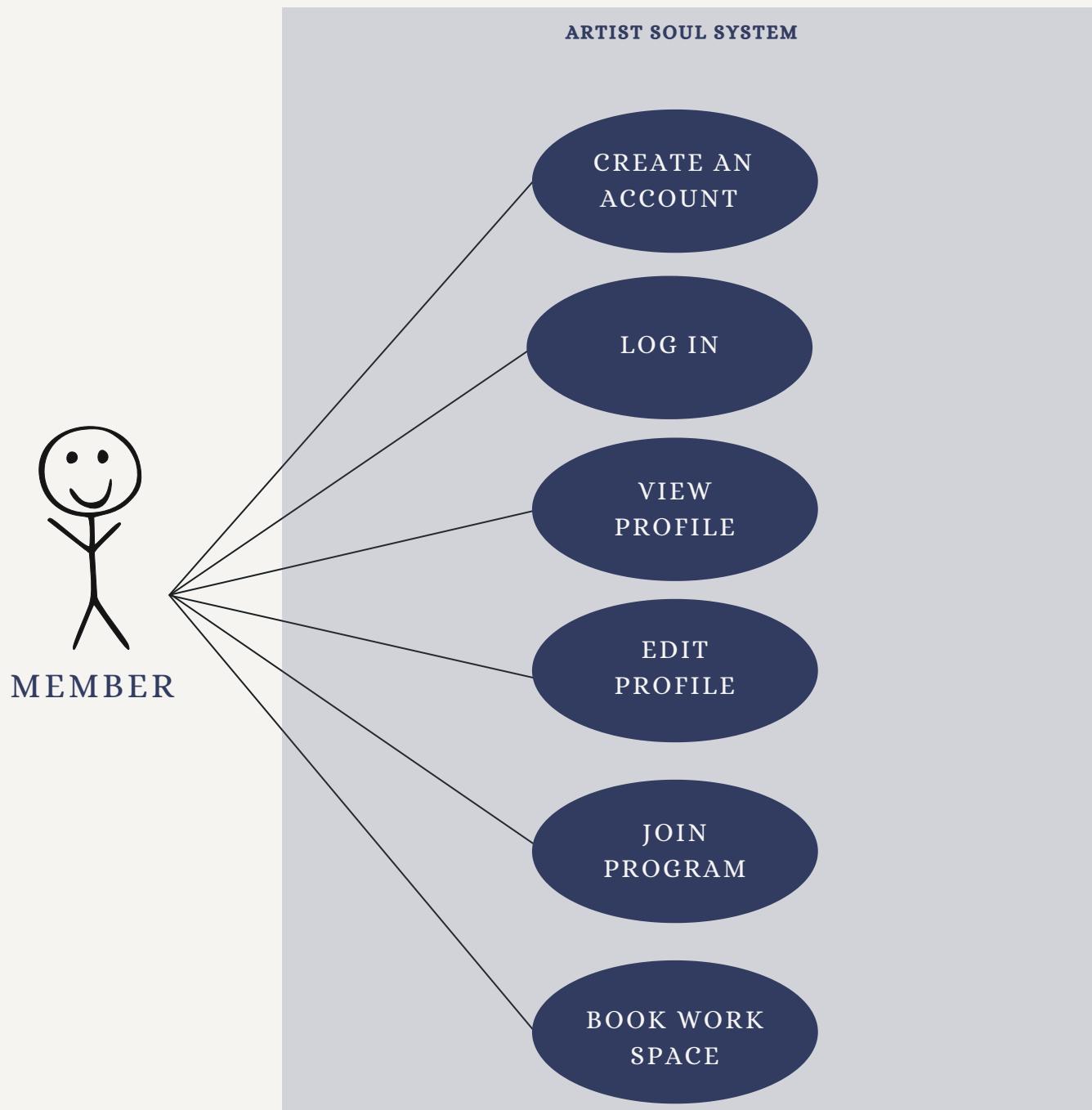
Ease of use : The software program user interfaces should be clear and understandable and organized in such a way that the user can navigate easily between them.

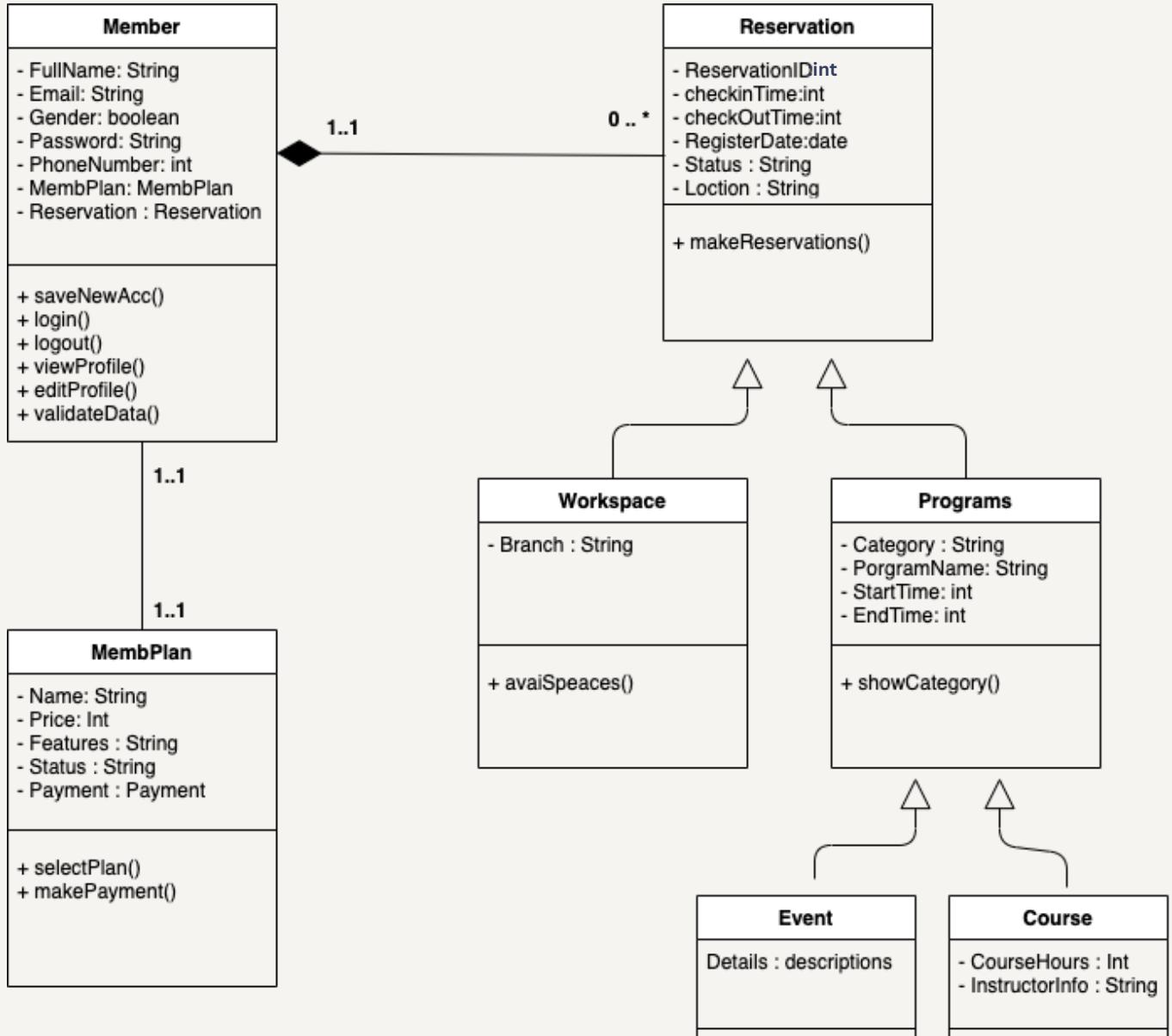
Reliability: The system must provide the services displayed in the correct manner that was presented in the vision of the system, where the customer data and the membership plans that they have subscribed to are preserved and the offers and services are provided for each subscription plan.

Security: The system is expected to provide protection and security for customers and their data. Therefore, protection will be achieved by providing minimal access rights to users, and using one of the highly secured protocols such as SSL and TLS to ensure secured database connections and data encryption when passed from the user's browser to the website's server.

3. SYSTEM DESIGN

- USE CASE DIAGRAM
 - CLASS DIAGRAM
 - DATA FLOW DIAGRAMS
 - 1. CONTEXT DIAGRAM
 - 2. LEVEL 1 DIAGRAM
 - 3. CHILD DIAGRAM
 - ACTIVITY DIAGRAMS
 - SEQUENCE DIAGRAMS
 - ISD (INTERFACE STRUCTURE DESIGN)
 - SOFTWARE & HARDWARE ARCHITECTURE.
 - ERD
-

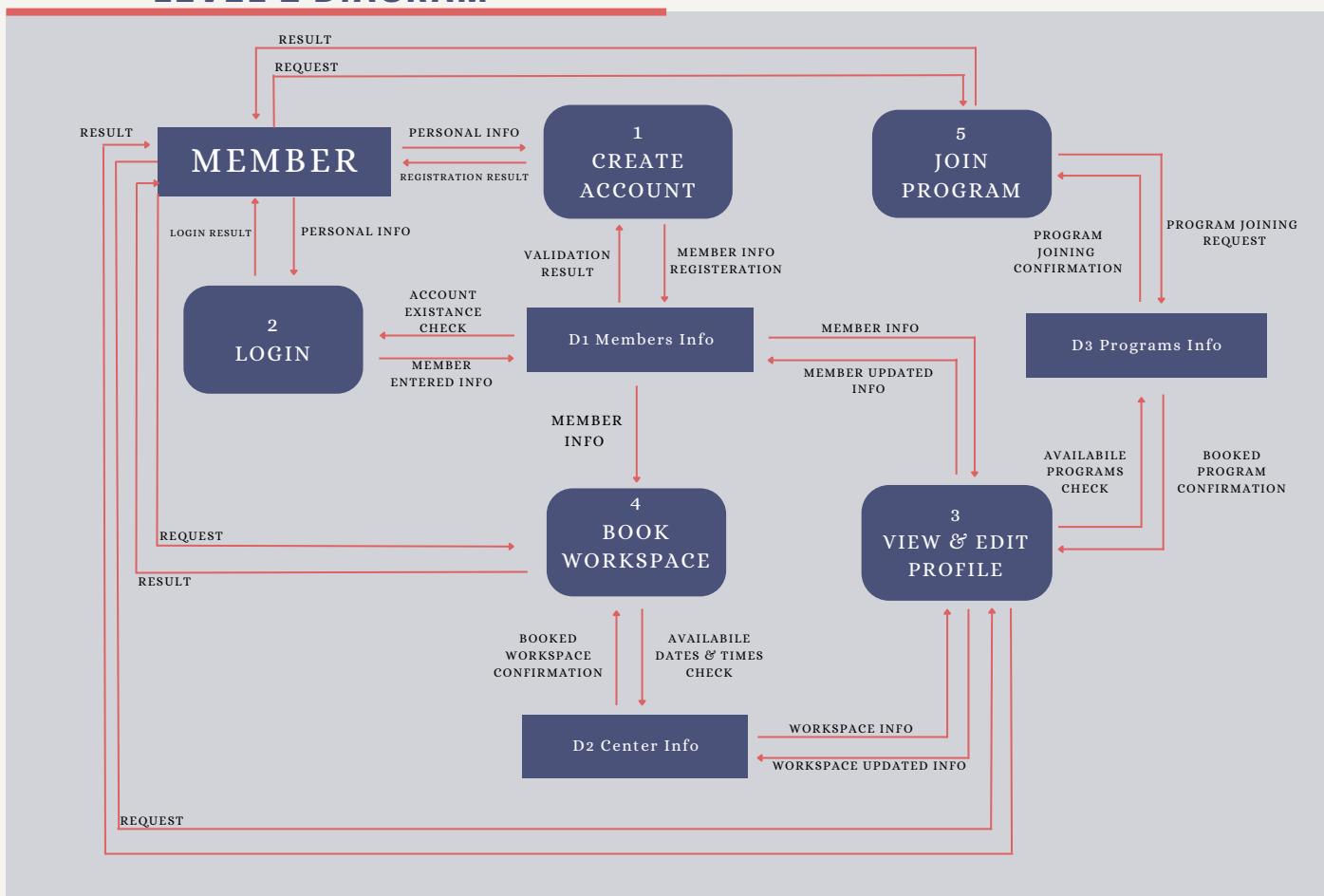


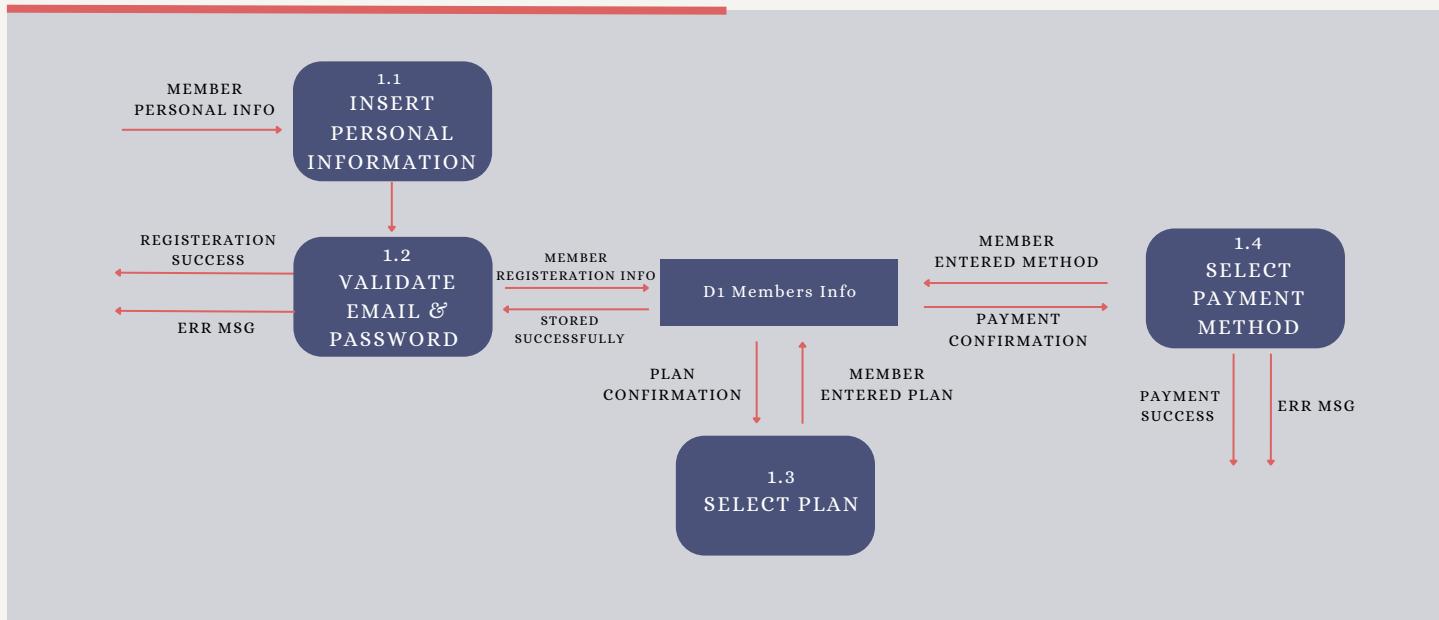
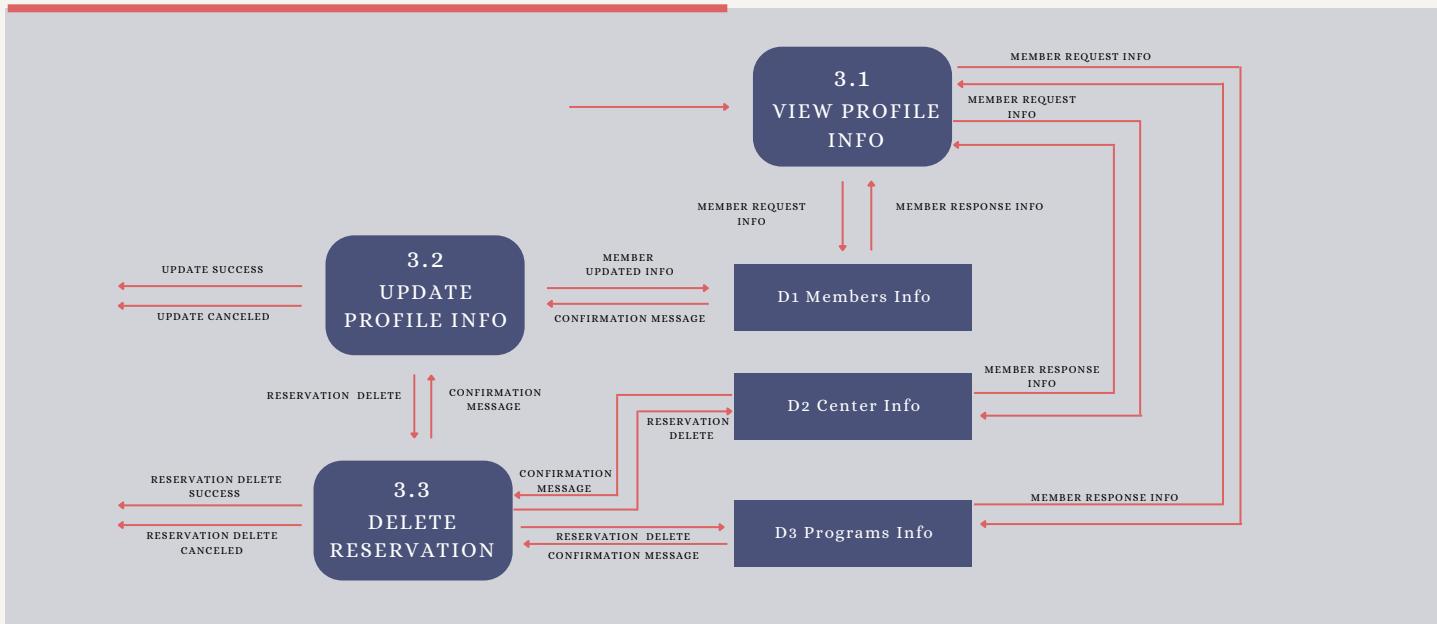


CONTEXT DIAGRAM

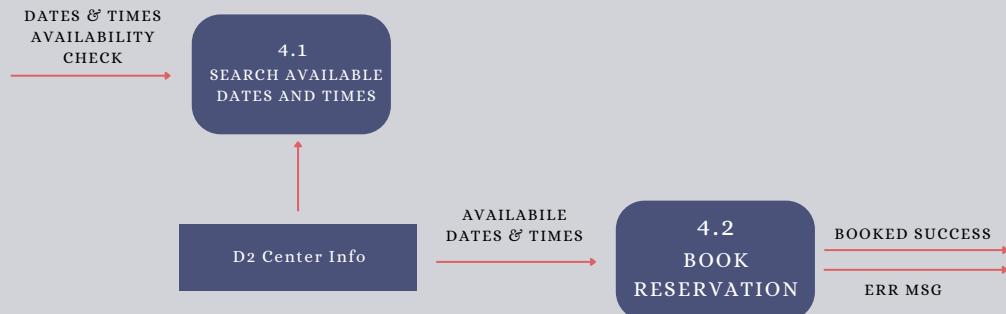


LEVEL 1 DIAGRAM

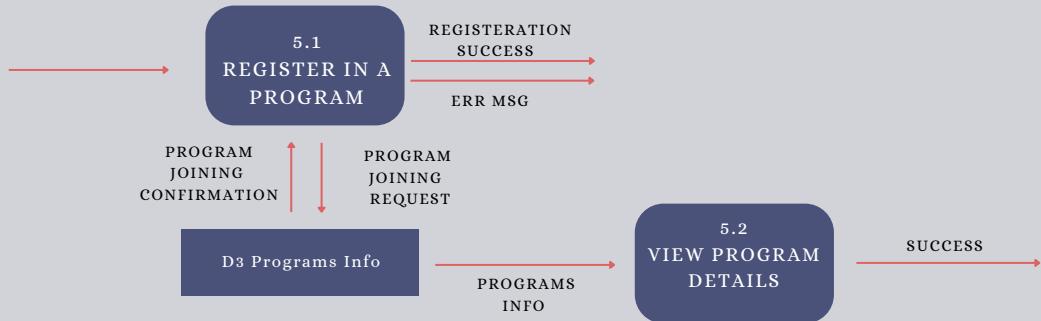


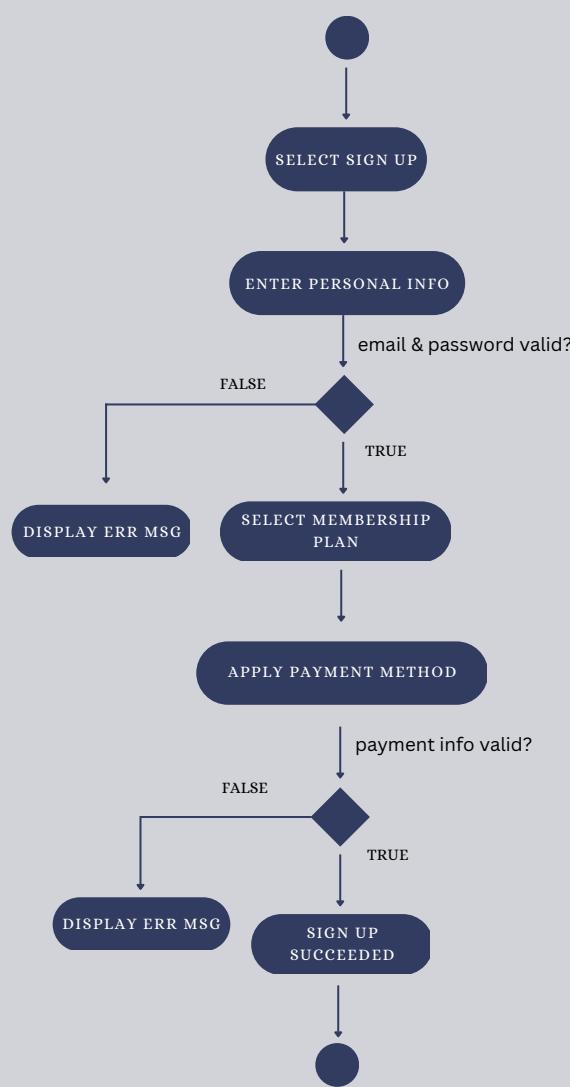
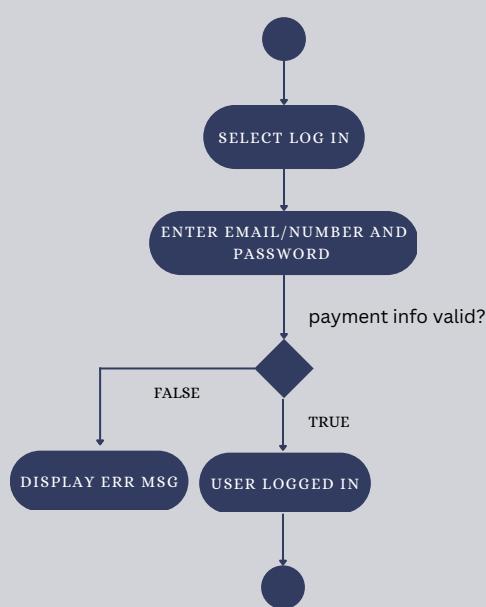
CHILD DIAGRAM - 1(CREATE ACCOUNT)**CHILD DIAGRAM - 2(LOGIN)****CHILD DIAGRAM - 3(MEMBER PROFILE)**

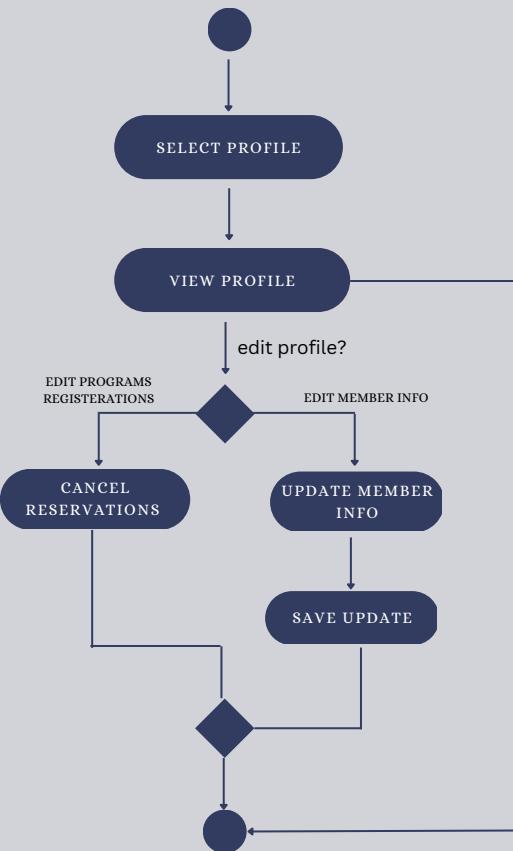
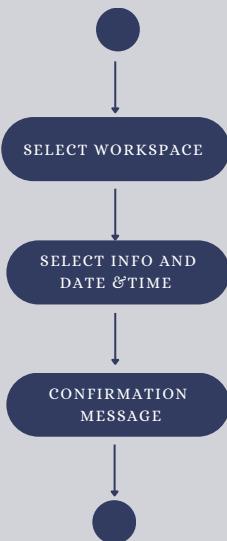
CHILD DIAGRAM -4(WORKSPACE BOOKING)



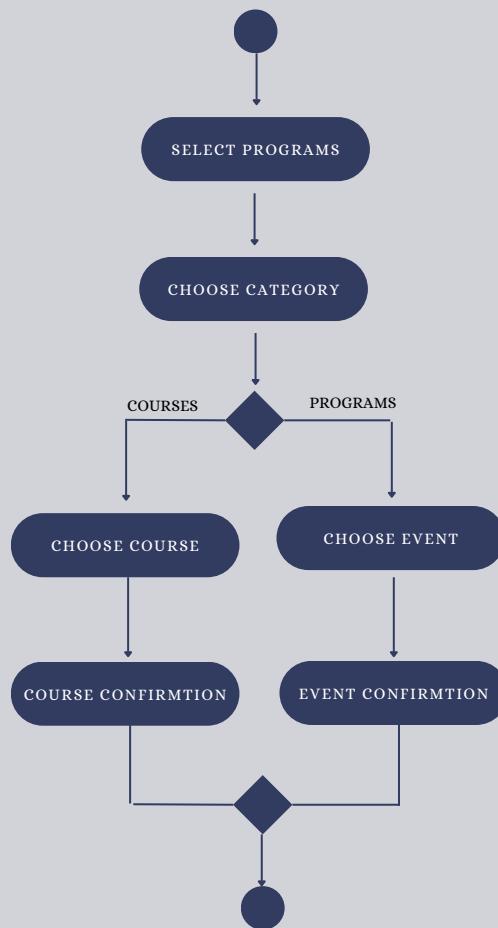
CHILD DIAGRAM - 5(JOIN PROGRAM)



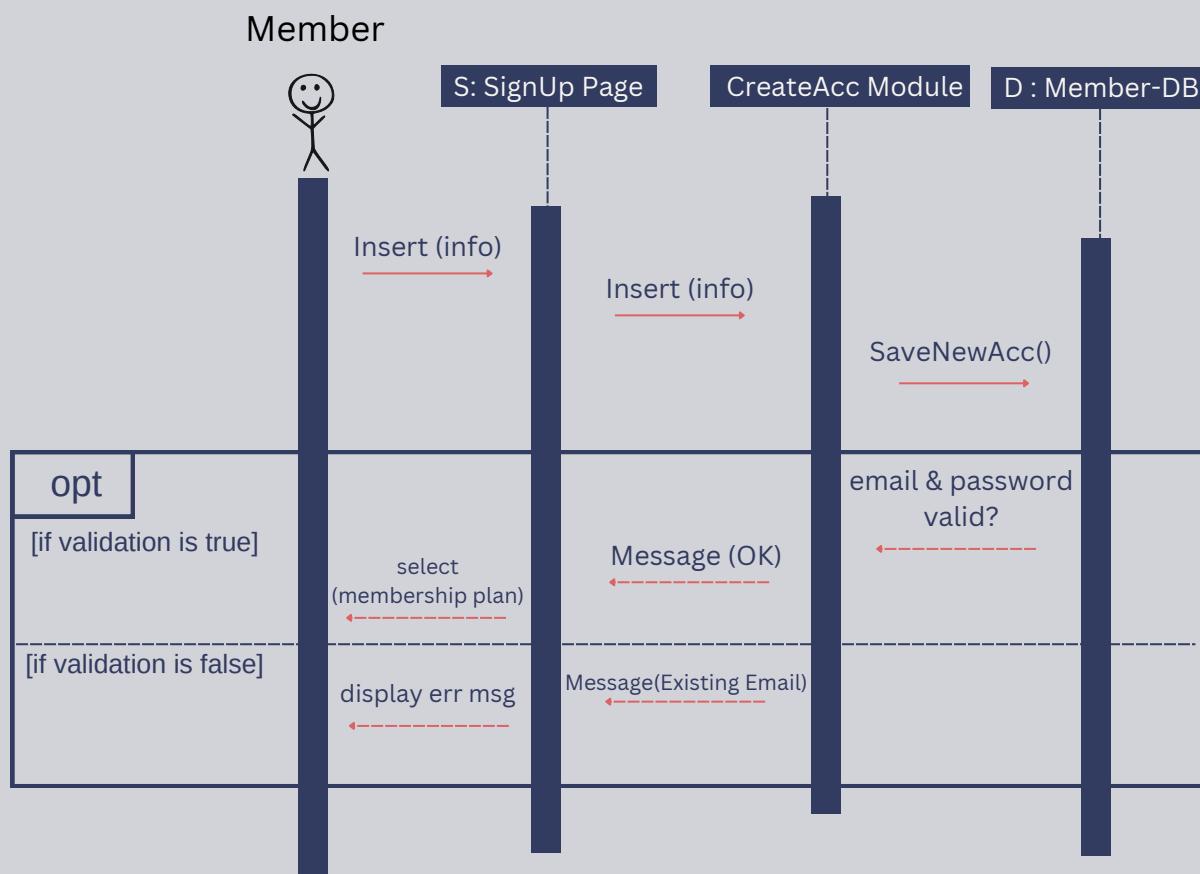
CREATE ACCOUNT**LOG IN**

VIEW & EDIT PROFILE**WORKSPACE BOOKING**

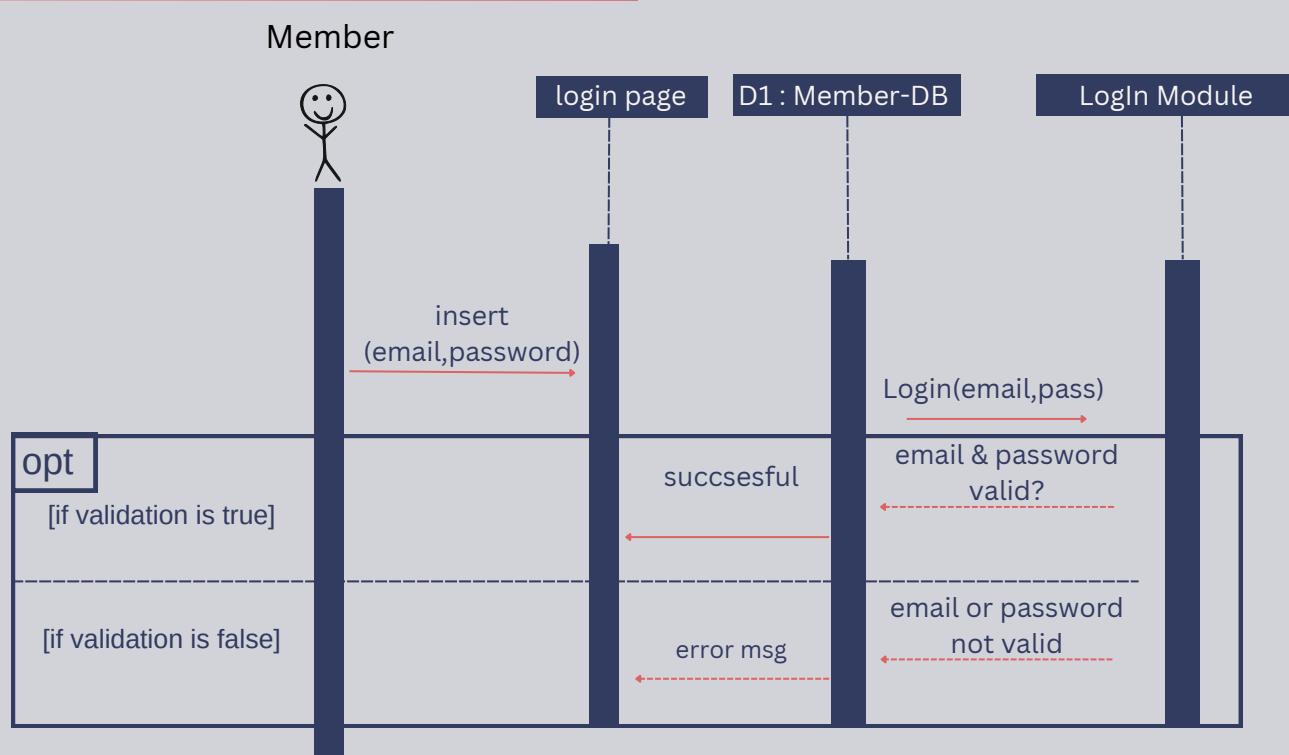
JOIN PROGRAM

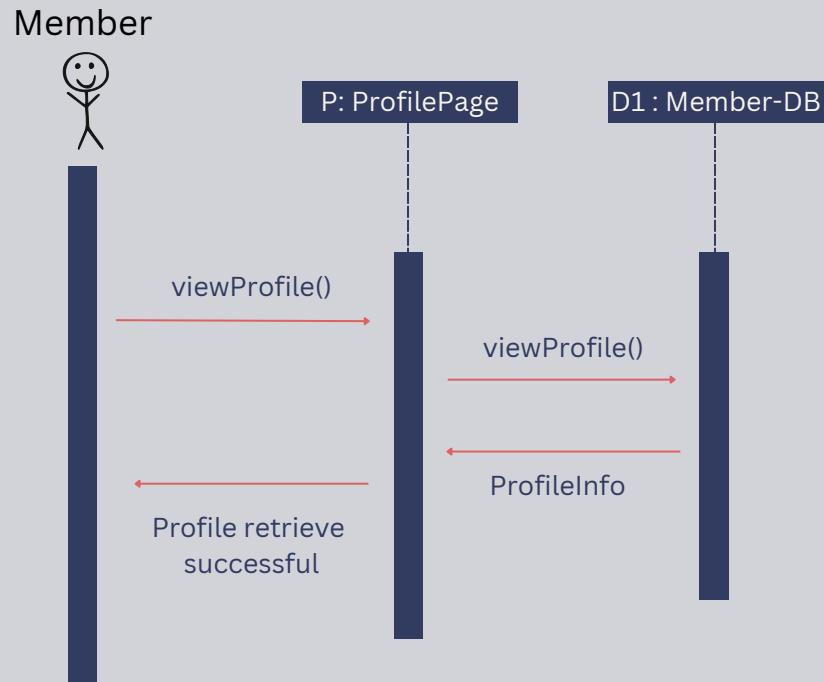
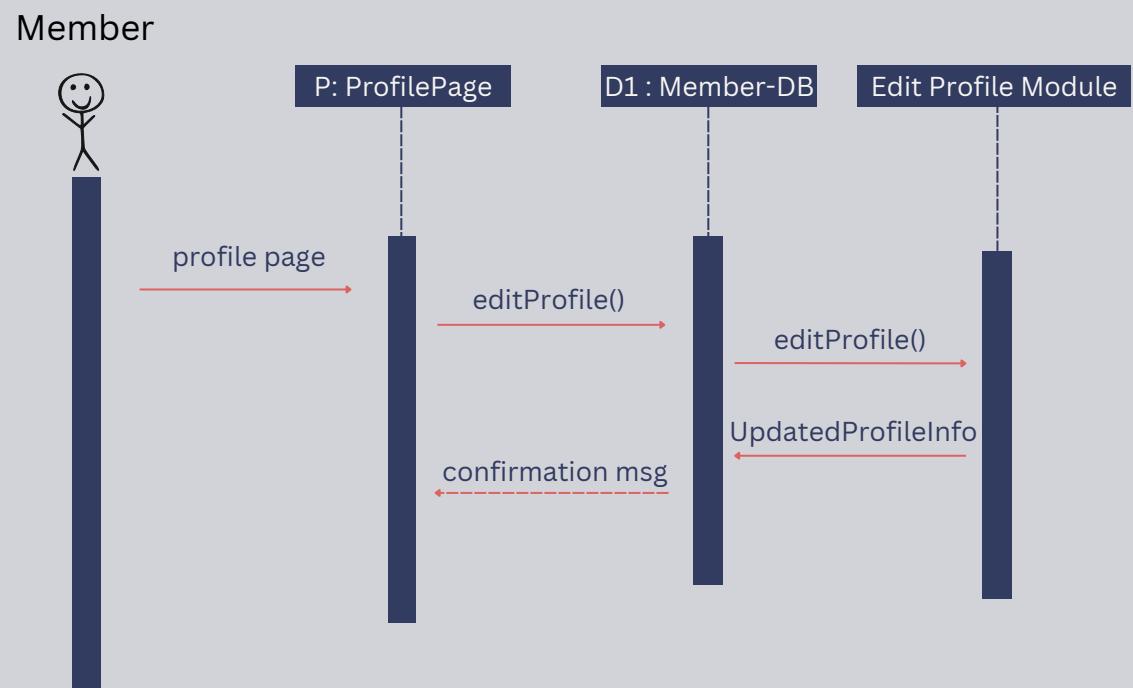


CREATE ACCOUNT



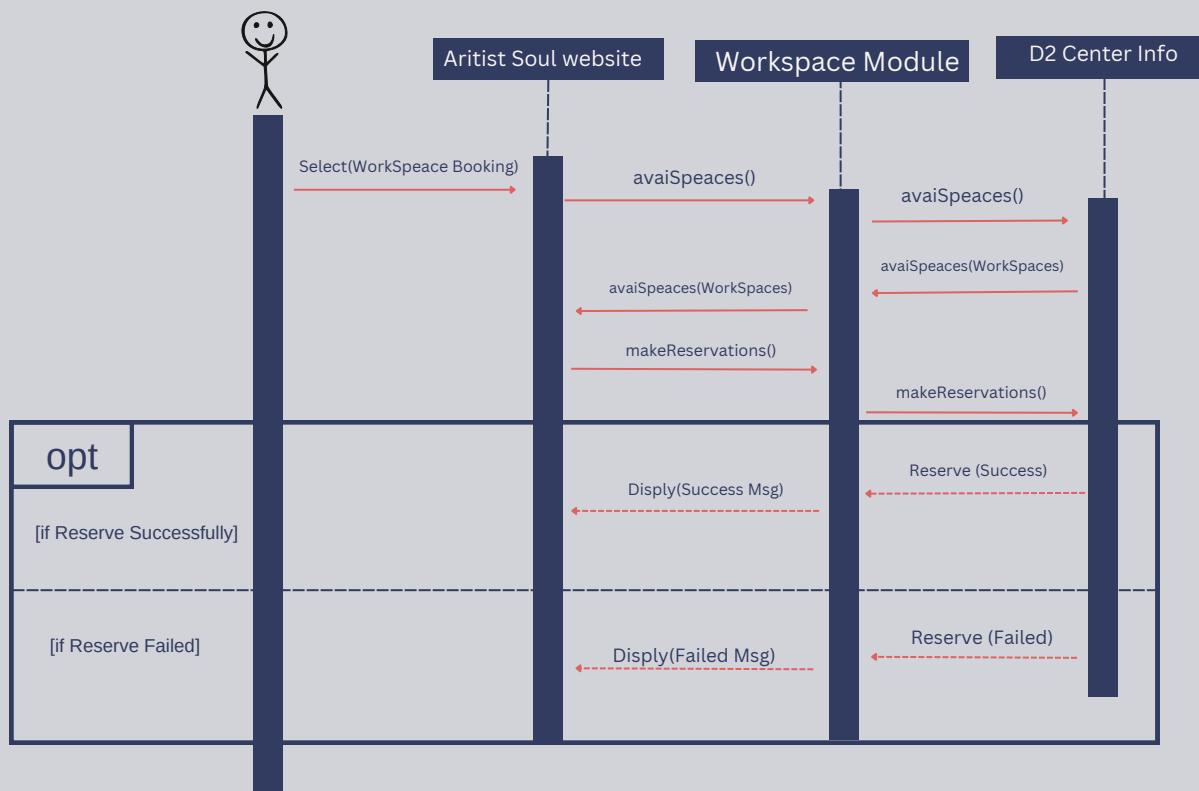
LOG IN



VIEW PROFILE INFORMATION**EDIT PROFILE**

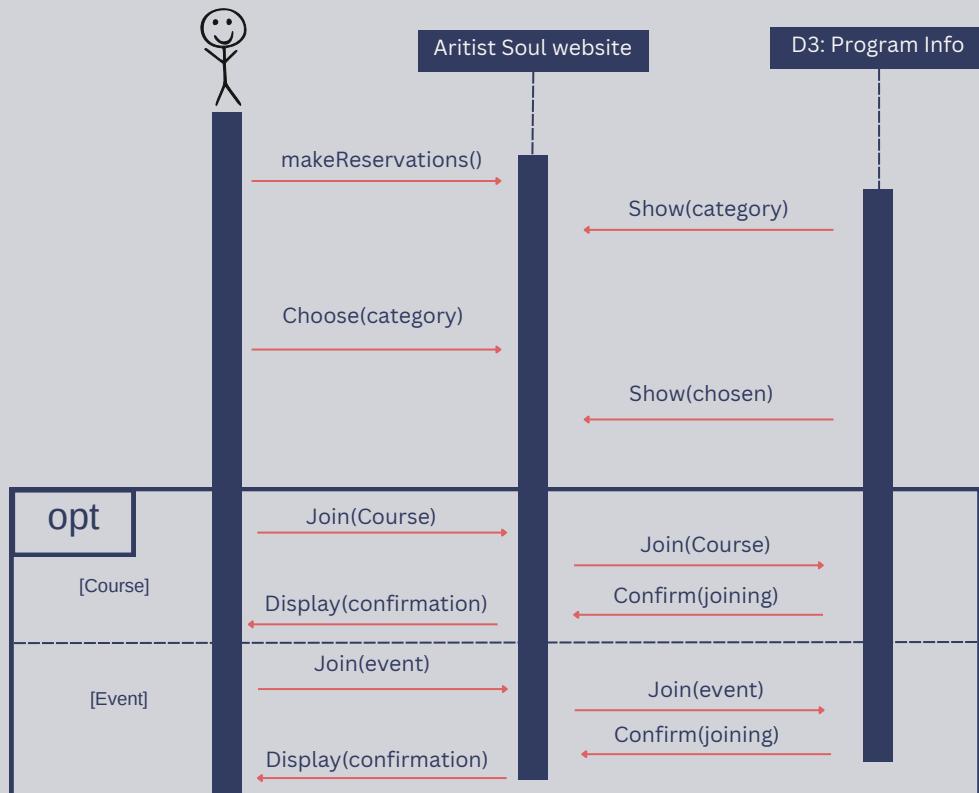
WORKSPACE BOOKING

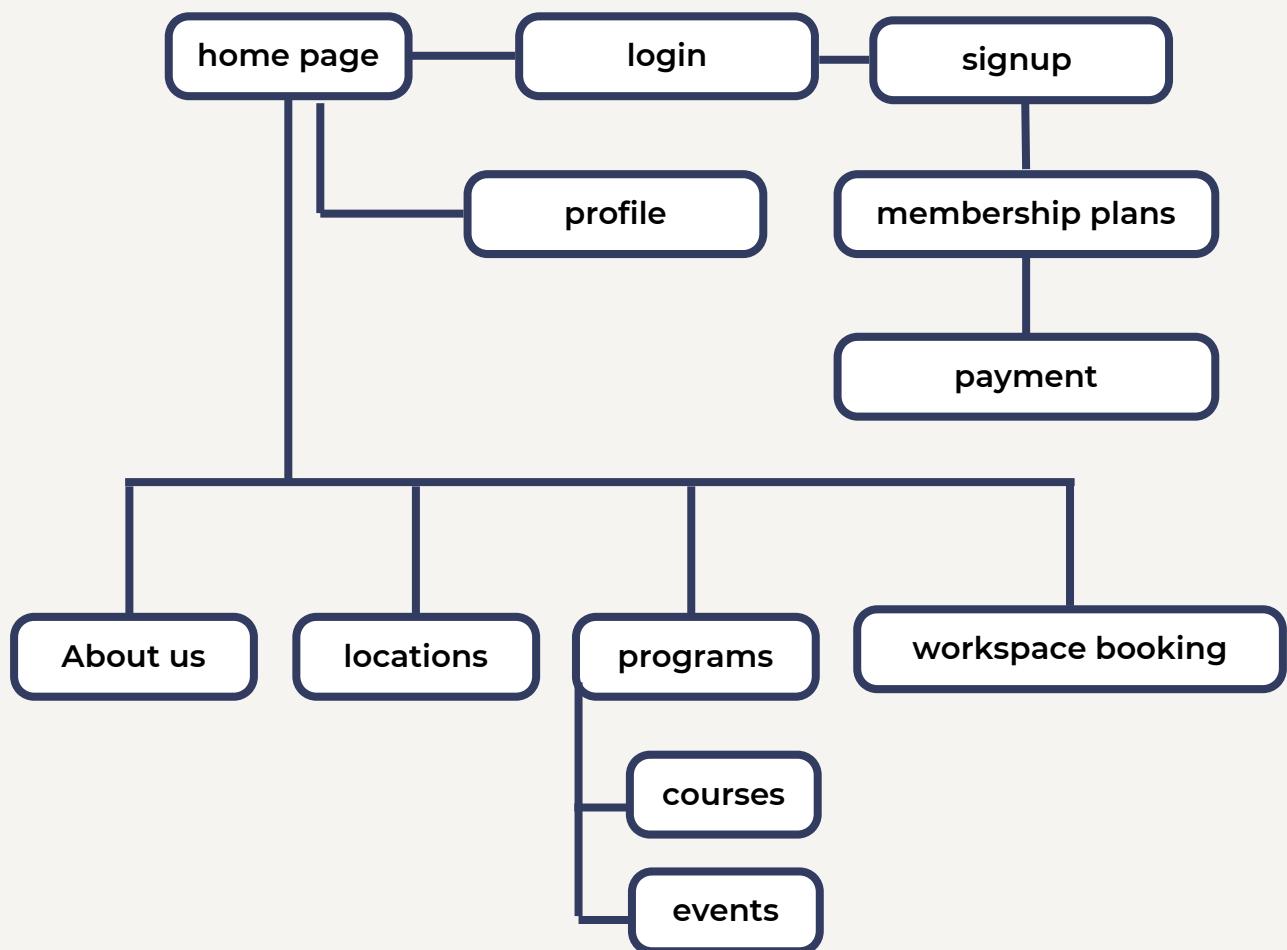
Member



JOIN PROGRAM

Member



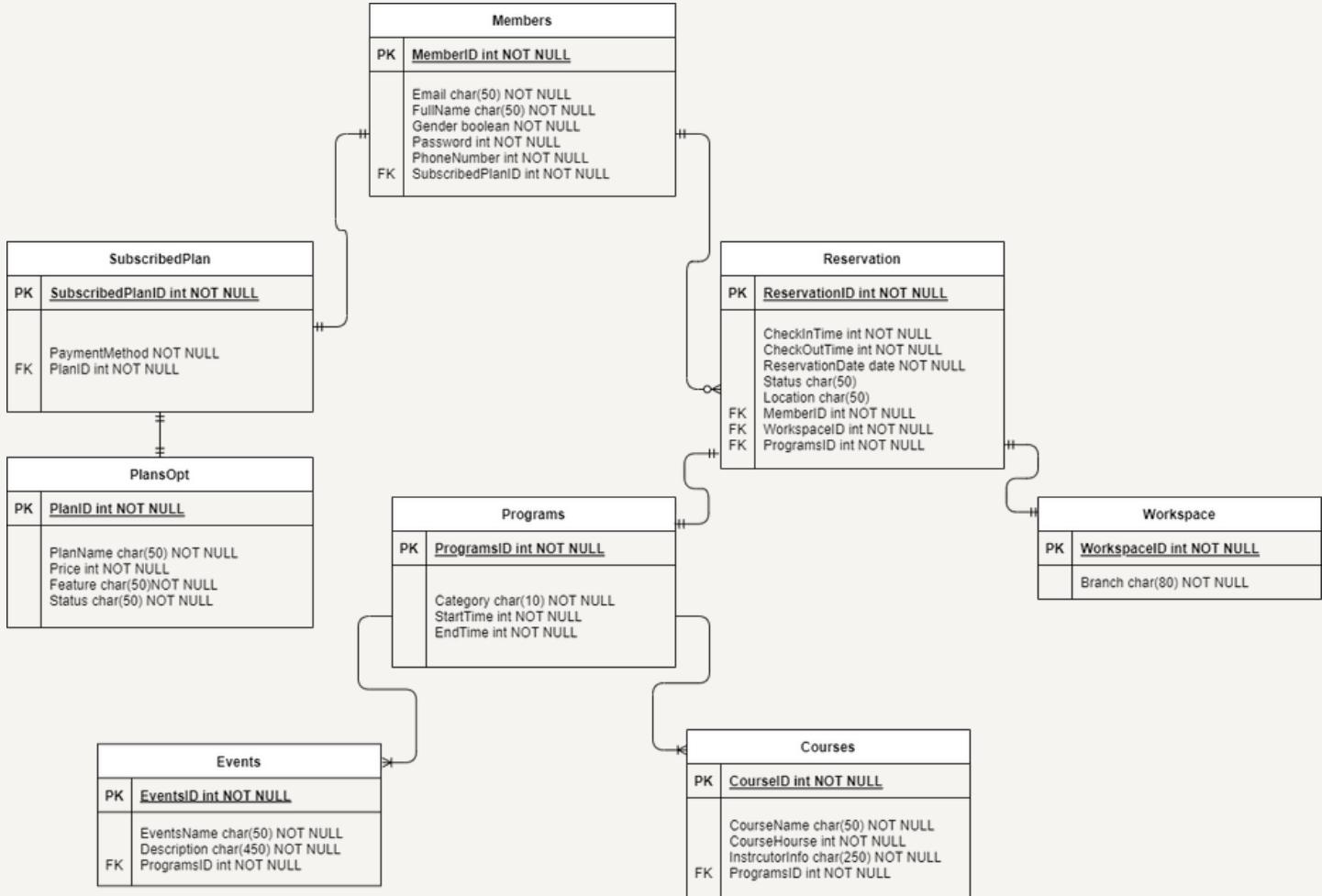


1. Model-View-Controller Architecture

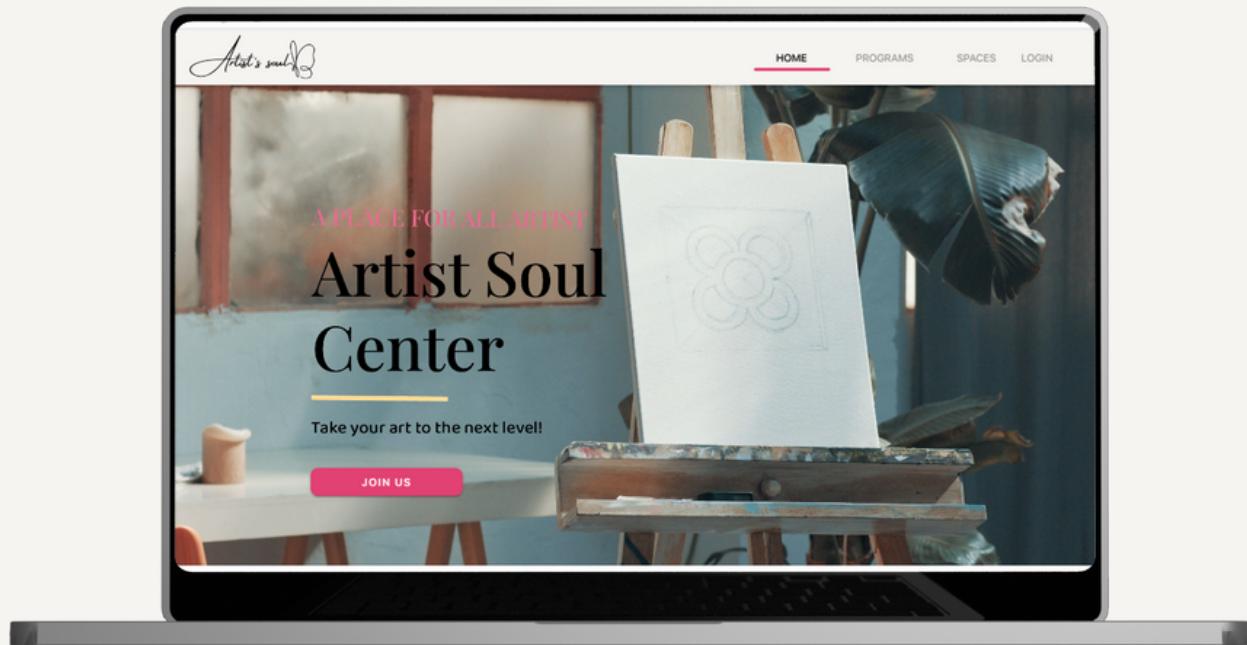
MVC architectural pattern breaks down the software into three main components. This independency of software sections makes it easier to manage, modify, maintain, and even faster to develop since one team member can be working on the model section for instance, while others are simultaneously working on the view section.

2. Client-Server Architecture

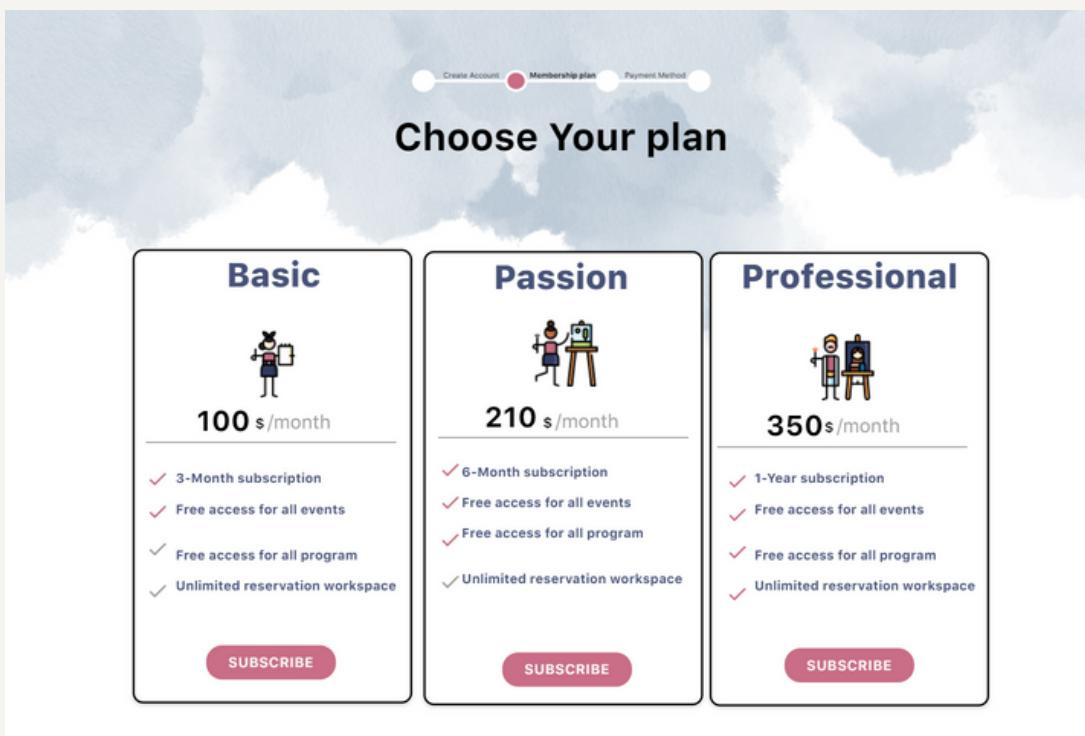
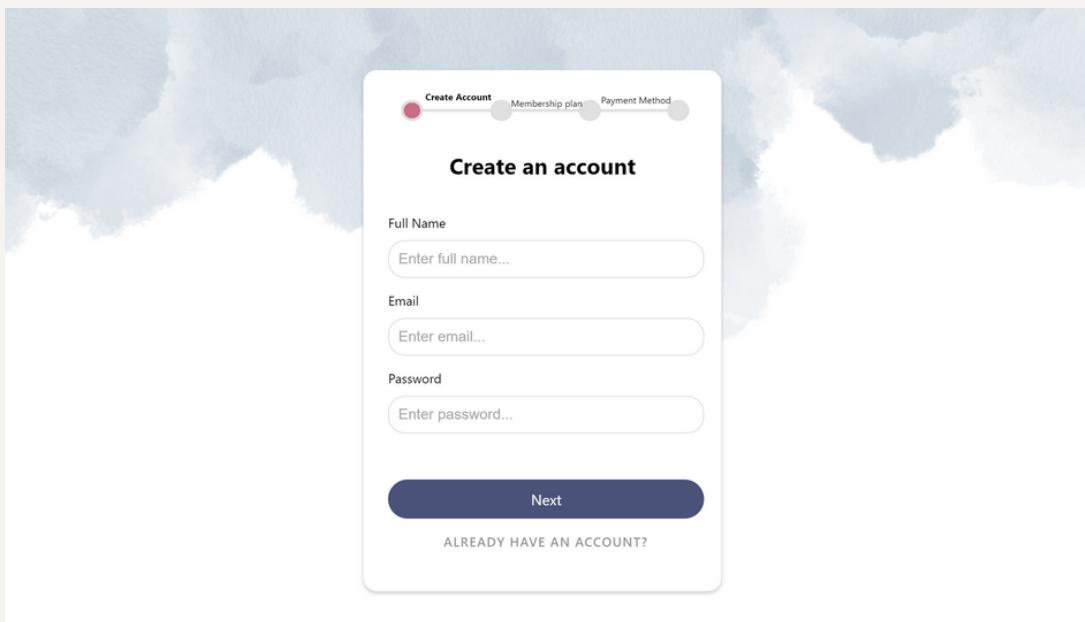
Using Client-Server architecture in a way that set of clients requests for services that the website provided, by sending a request for data to the server through the internet, the server accepts the requested process and delivers the data requested back to the client.

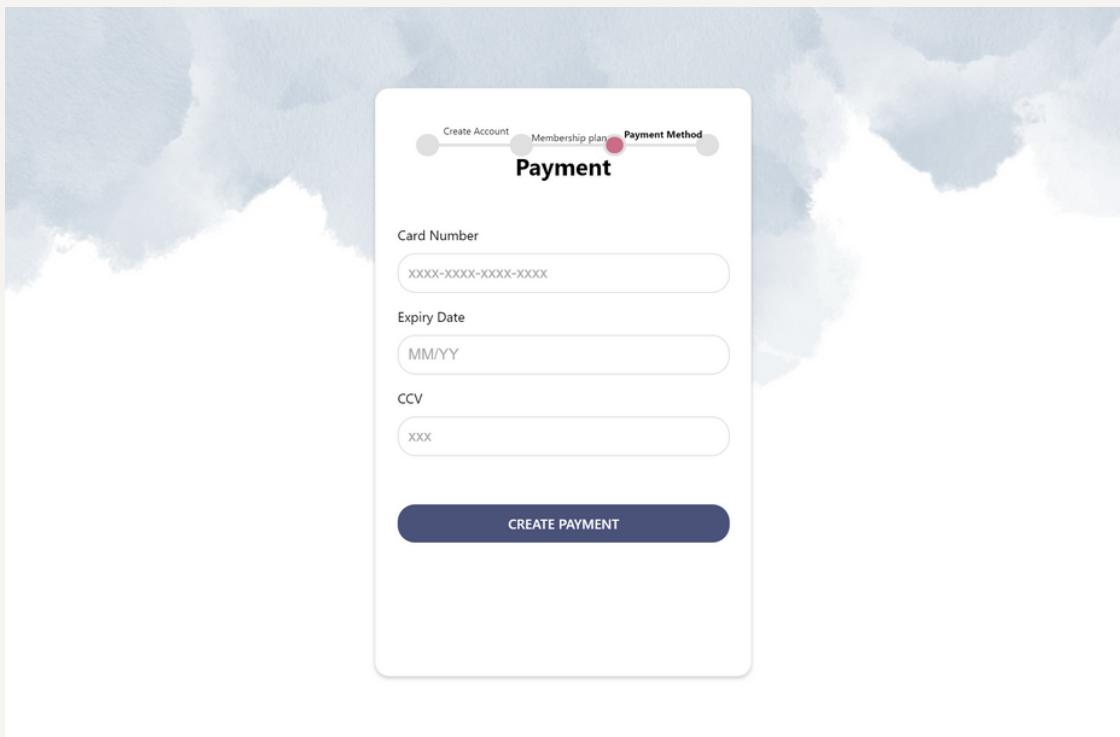


We implemented Artist's Soul Center using **Adalo**, since it is an easy platform that allows developing a full functioning system using built in tools for implementing functionalities, designing drag-and-drop interfaces, and configuring a database automatically.

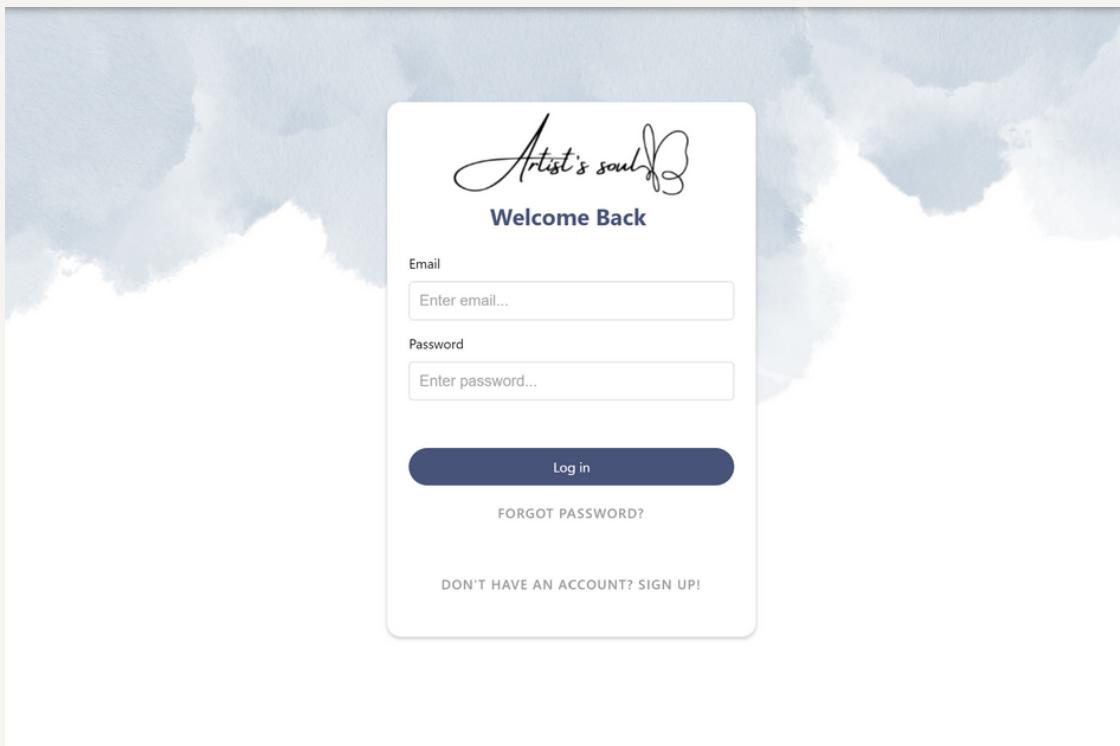


Sign Up





Log in



PROFILE

The screenshot shows a user profile interface with a blue header bar. The header contains the word "IMPLEMENTATION" on the left and the number "31" on the right. Below the header is a large red "PROFILE" title. The main content area has a light gray background with a faint blue cloud watermark.

Profile Section: At the top left is a circular placeholder for a profile picture. To its right, the text "Full Name" and "PlanName" are displayed, followed by a "EDIT PROFILE" button.

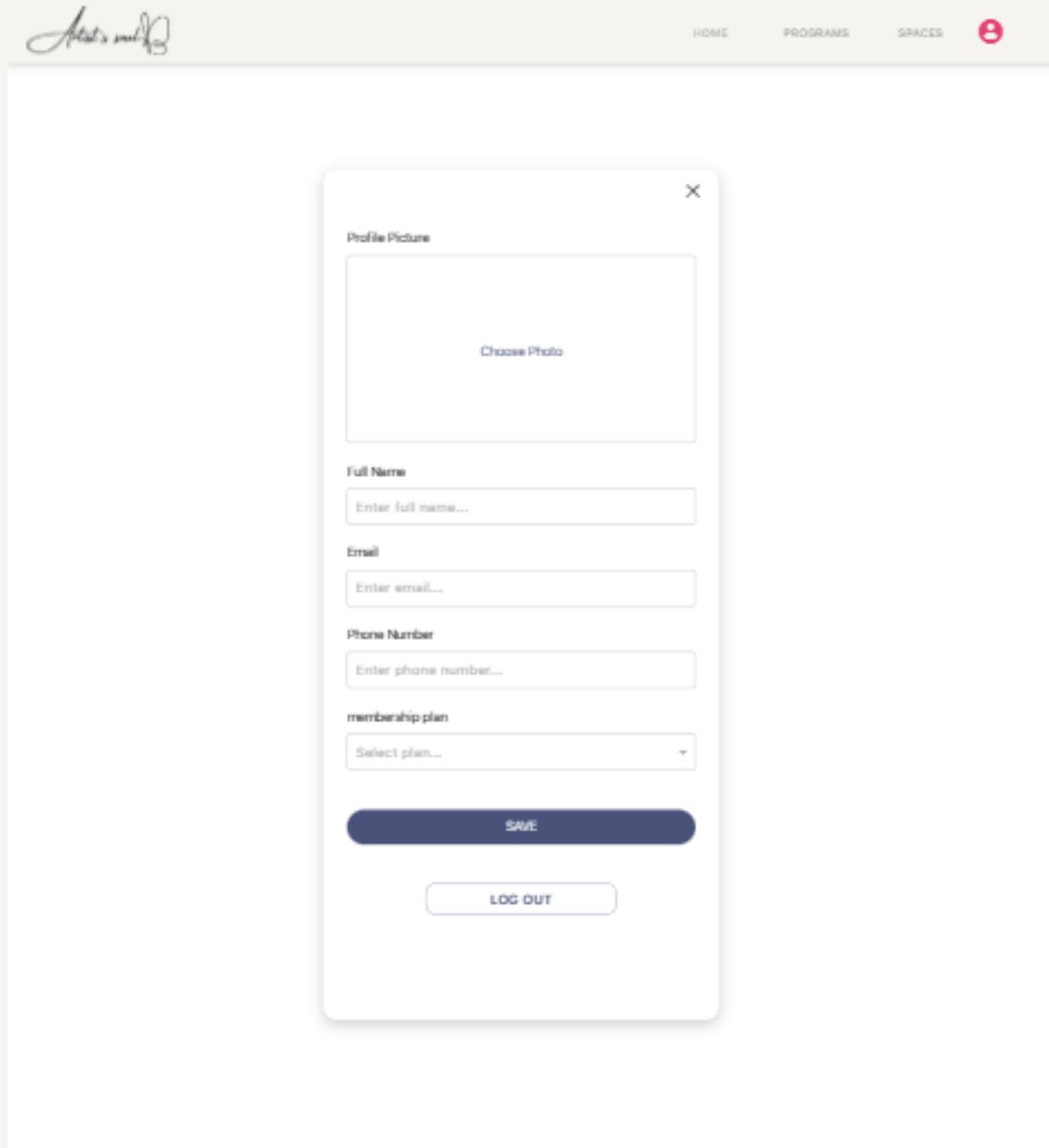
Courses Section: A heading "courses" is followed by three dark gray rectangular cards, each featuring a small mountain icon. The cards are labeled "Course course name SubtitleCourse hours".

Events Section: A heading "events" is followed by three dark gray rectangular cards, each featuring a small mountain icon. The cards are labeled "Event event name Subtitle".

Spaces Section: A heading "spaces" is followed by three entries, each consisting of a small gray circle icon and text. The entries are "Title Subtitle", "Title Subtitle", and "Title Subtitle".

A large red rectangular area is at the bottom of the page.

PROFILE



Insert WorkSpace

workspace information

Pick Up Location
Select the center location

Hours limit
Select the hours limit

Room Type
Select the room type

Date & Time
Sat, Feb 4, 2023 2:07 PM

RESERVE

workspace information

Pick Up Location *Please choose Location
Select the center location

Hours limit *Please choose the hours limit
Select the hours limit

Room Type *Please choose the room type
Select the room type

Date & Time
Sat, Feb 4, 2023 2:07 PM

RESERVE

workspace information

Pick Up Location
Jeddah, Al-Shariah

Hours limit *Please choose the hours limit
Select the hours limit

Select the hours limit
2
4
6

Date & Time
Sat, Feb 4, 2023 2:53 PM

RESERVE

workspace information

Pick Up Location *please choose Location
Select the center location

Select the center location
Jeddah, Al-Shariah
Makkah, Al-Shawqiyya
Riyadh, Al-'Olayya

Room Type *Please choose the room type
Select the room type

Date & Time
Sat, Feb 4, 2023 2:07 PM

RESERVE

Insert WorkSpace

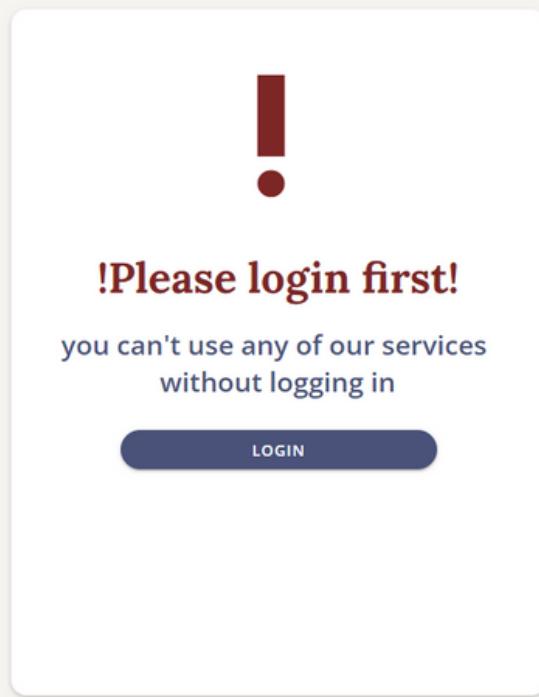
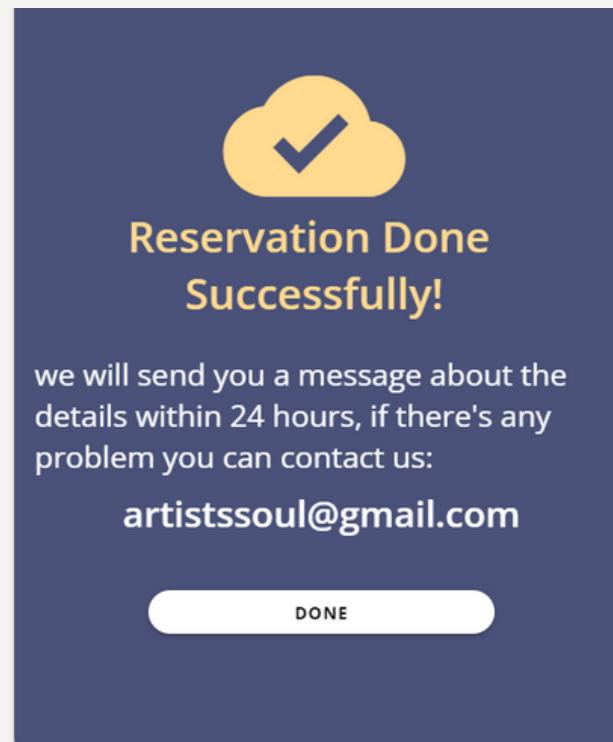
workspace information

Pick Up Location
Jeddah, Al-Shariah

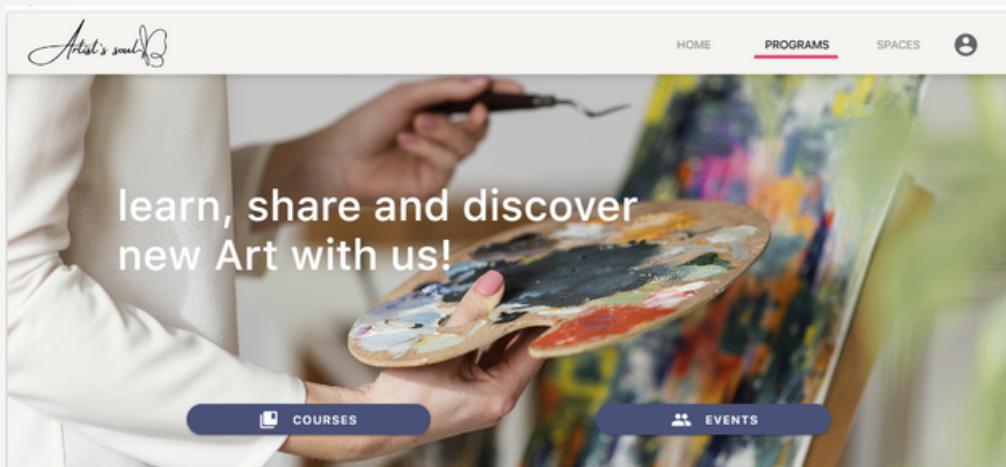
Hours limit
4

Room Type *Please choose the room type
Select the room type
Select the room type
big
medium
small

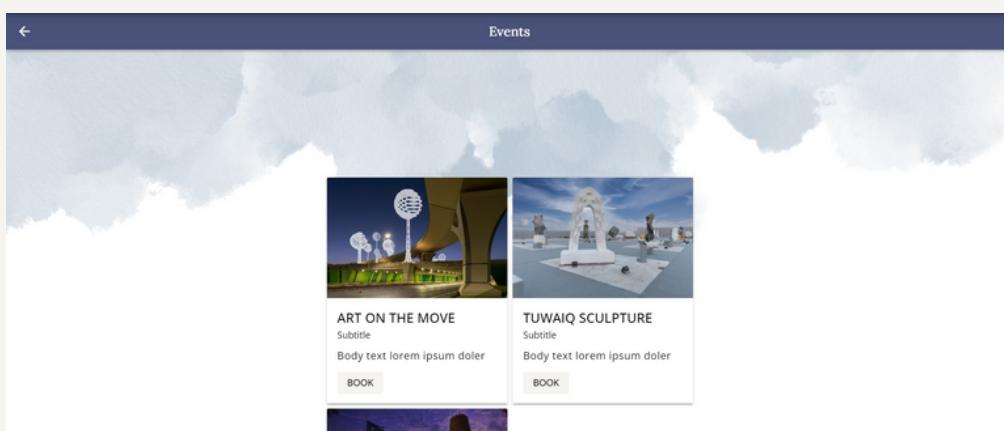
RESERVE



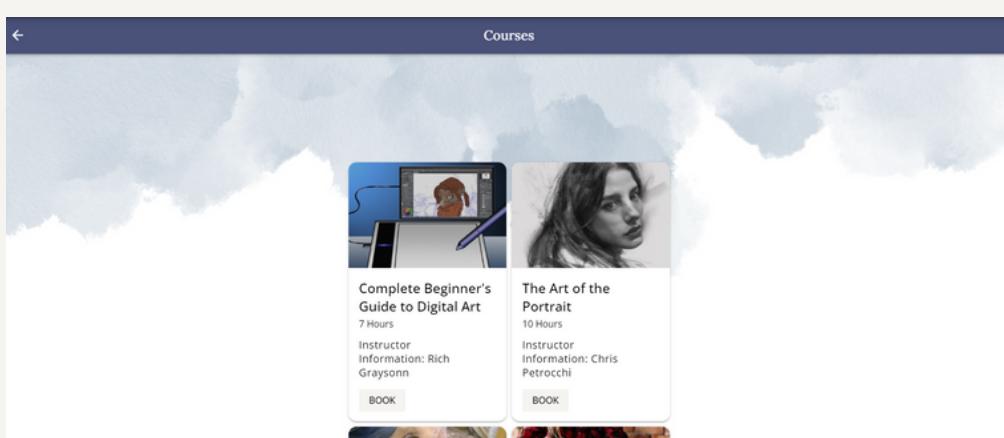
Join Programs



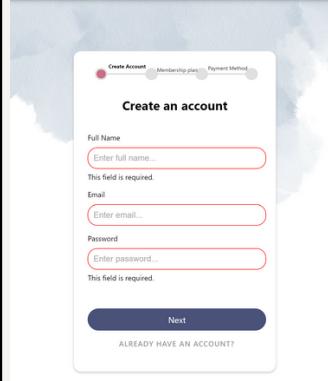
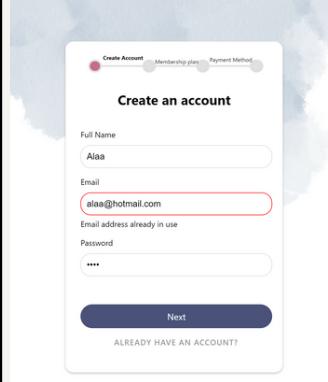
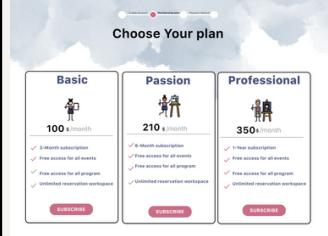
Join Events

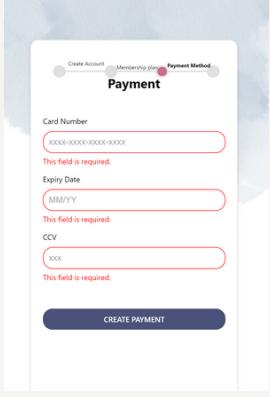
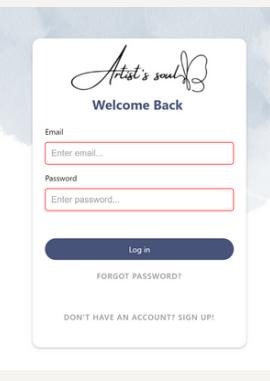
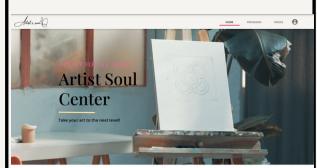


Join Courses



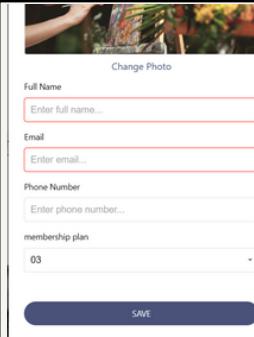
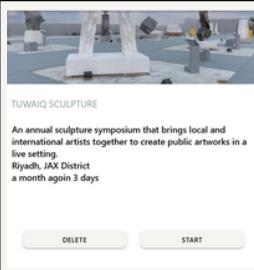
sign up & log in test cases

Sl. No.	Test Case	Input	Expected output	Actual output	Remarks
1	Test Case for not adding Information	<ul style="list-style-type: none"> • Empty name • Empty email • Empty password 	Invalid signup Detect		Error
2	Test Case for adding Invalid Information	<ul style="list-style-type: none"> • Valid name • Invalid email • Valid password 	Invalid email Detect		Error
3	Test Case for adding valid Information	<ul style="list-style-type: none"> • Valid name • Valid email • Valid password 	Moving to plan page		Pass

Sl. No.	Test Case	Input	Expected output	Actual output	Remarks
4	Test Case for not adding Information	<ul style="list-style-type: none"> Empty card number Empty Expiry date Empty CCV 	Invalid payment Detect	 <p>The screenshot shows a payment interface with three required fields highlighted in red: 'Card Number', 'Expiry Date', and 'CCV'. Each field has an error message: 'This field is required.' Below the fields is a large blue 'CREATE PAYMENT' button.</p>	Error
5	Test Case for not adding Information	<ul style="list-style-type: none"> Empty email Empty password 	Invalid Log in Detect	 <p>The screenshot shows a login page with two required fields highlighted in red: 'Email' and 'Password'. Both fields have an error message: 'Enter email...' and 'Enter password...'. Below the fields are 'Log in' and 'FORGOT PASSWORD?' buttons, and at the bottom is a 'DON'T HAVE AN ACCOUNT? SIGN UP!' link.</p>	Error
6	Test Case for adding valid Information	<ul style="list-style-type: none"> Valid email Valid password 	Moving to home page	 <p>The screenshot shows the homepage of 'Artist Soul Center' with a banner featuring a painting and the text 'Take your art to the next level!'. There are navigation links for 'Home', 'About', 'Services', 'Contact', and 'Blog'.</p>	Pass

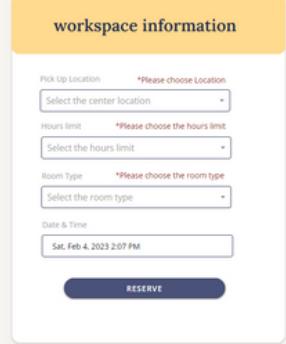
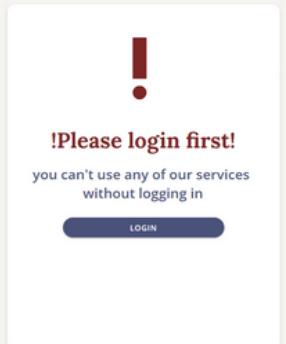
Edit Profile

test cases

Sl. No.	Test Case	Input	Expected output	Actual output	Remarks
1	Test Case for not adding Information	<ul style="list-style-type: none"> • Empty name • Empty email 	Invalid information Detect.		Error
2	test Case for inserting valid information	<ul style="list-style-type: none"> • valid name • valid email • change plan 	update informations		Pass
3	Test Case for cancel reservation	cancel button clicked	delete the reservation from user		pass

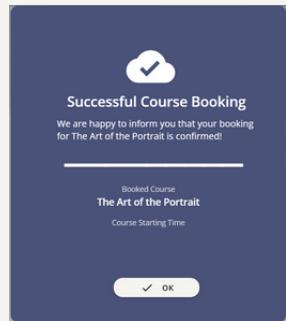
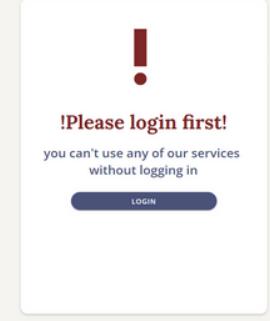
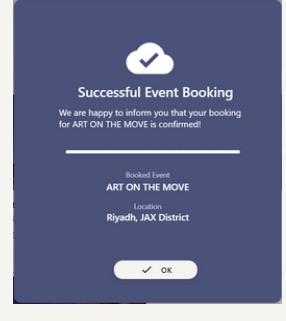
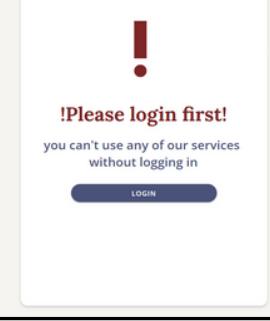
book workspace

test cases

Sl. No.	Test Case	Input	Expected output	Actual output	Remarks
1	Test Case for adding Valid Information	<ul style="list-style-type: none"> • Valid Location • Valid Hours limit • Valid Room type 	Add Reservation	 <p>Reservation Done Successfully!</p> <p>we will send you a message about the details within 24 hours, if there's any problem you can contact us: artistssoul@gmail.com</p> <p>DONE</p>	Pass
2	Test Case for adding Invalid Information	<ul style="list-style-type: none"> • Empty Location • Empty Hours limit • Empty Room type 	Invalid Reservation Detect	 <p>workspace information</p> <p>Pick Up Location *Please choose Location Select the center location</p> <p>Hours limit *Please choose the hours limit Select the hours limit</p> <p>Room Type *Please choose the room type Select the room type</p> <p>Date & Time Sat, Feb 4, 2023 2:07 PM</p> <p>RESERVE</p>	Error
3	Test Case for Entering the page without Logging in	<ul style="list-style-type: none"> • Empty user ID 	Invalid Reservation Detect	 <p>!</p> <p>Please login first!</p> <p>you can't use any of our services without logging in</p> <p>LOGIN</p>	Error

join program

test cases

Sl. No.	Test Case	Input	Expected output	Actual output	Remarks
1	Test Case for joining a course	<ul style="list-style-type: none"> Logged in user Book button clicked 	Join Course Confirmation		Pass
2	Test Case for joining a course without Logging in	<ul style="list-style-type: none"> Empty user ID 	Invalid Booking Detect -> Demand Login		Pass
3	Test Case for joining an event	<ul style="list-style-type: none"> Logged in user Book button clicked 	Join Event Confirmation		Pass
4	Test Case for joining an event without Logging in	<ul style="list-style-type: none"> Empty user ID 	Invalid Booking Detect -> Demand Login		Pass



TEAM MEMBERS

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Shatha Almatrafi **441007319**

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