FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

ONLINE SMS

Supervisor: *ĐINH HOÀI VŨ*

Semester: *III*

Batch No: *T1.2302.E1*

Group No: *04*

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Month: Year:

This is to certify that

Mr. **NGÔ TRẦN THUẤN**

Mr. **PHẠM ĐẮC AN**

Mr. **HỒ ANH QUÂN**

Mr. **VŨ HẢI ANH**

Have successfully Designed & Developed

ONLINE SMS

Submitted by:

Mr. ĐINH HOÀI VŨ

Date Of Issue:

Authorized Signature:

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ACKNOWLEDGE

As we understand that the Project is a step-by- step learning environment that closely simulates the class-room and Lab based learning environment into actual implementation. It is a project implementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

✓ Practice step by step i.e. laddered approach.

✓ Build a larger more robust application.

✓ Usage of certain utilities in applications designed by user.

✓ Single program to unified code leading to a complete application.

✓ Learn implementation of concepts in a phased manner.

✓ Enhance skills and add value.

✓ Work on real life projects.

✓ Give a real life scenario and help to create applications more complicated and useful.

✓ Mentoring through email support.

We would like to send a great thank to our professor, Mr Đinh Hoài Vũ and others student for the addorable supports during the time in project.

Beside serveral mistakes we had made in the project, we hope to have more oppotunities to widen our knownledge in web developing world.

We also thank you so much for your infomation and the e-Project from India APTECH to help us get more reality experience in this project. Since we have gained more

experience from this project, we will not stop learning any thing as much as we can to be more successful in the future.

Your Sincerely, Team Group 04.

SYNPOSIS

The goal of this program that we aim to is to give a sample project to work on real projects. These apps help us build a more powerful big app.

The goal is not to teach us front-end or back-end technology but to give us a real-life scenario and help us create basic apps with tools.

Therefore, we can revise the chapters before starting the project.

This project is for students like us who have completed the module of Semester III, as well as the special subjects ASP.NET Core API and ReactJS. These programs should be conducted during Lab sessions with instructor support if required.

The website (in this project) is an online message for you to participate in your experience.

It is very necessary for us to have a clear understanding of the subject. We think we should take a look at the project and tackle the required assignments given.

Review 01

PROBLEM DEFINITION

1.1 Introduction

The Project is to be developed where the user is allowed to register their mobile number on the site and they will be allowed to send the message to any mobile. There is certain validation for the user to send the message like it should not exceed more than 120 characters. Only 5 messages are allowed to send free to any single mobile number. Once the message is send then the appropriated message must be prompted.

Even user can also edit the profile by adding personal, professional details. Once the profile is created the user can be allowed to add the other registered users by sending the request. Once the request is accepted then his/her mobile number will be added in the friend list of the profile and sending message to the friend mobile number will be free unlimited through out the day. There will be contact page open for the user where they can enter the mobile number with the name of the person for sending the message.

It also provide option for activating the service for the joke, current affairs, sports, news in your mobile, this would be paid service where user has to pay through credit card.

CUSTOMER REQUIREMENTS SPECIFICATIONS

1.2 Function requirement

	User
1.2.1 Login/Registered page	R1: allow users to enter the page with registered account or can register new account to access the page.
1.2.2 Profile page	R1: Change the password. R2: Allow to see personal information R3: Personal information can be edited and updated
1.2.3 Contacts us	R1: Visit contact page R2: Can view contact information
1.2.4 Chat	R1: Can send messages to friends and non-friends
1.2.5 payment page	R1: Visit payment page R2: Can purchase renewal packages as needed

1.3 Non-functional requirement

- **User-friendly**: The application should be easy to navigate with clear menus and other elements and easy to understand.

- **Operability**: The application should operate in a reliably efficient manager.

- **Performance**: The application should demonstrate high value of performance through speed and throughput. In simple terms, the application should be fast to load and page redirection should be smooth.

- **Security**: The application should implement adequate security measures such as authentication.

1.4 System requirement

4.3.1 Server

- Hardware:
  - Window: 8, 9 or higher
  - Memory (RAM): 1 Gigabytes or more
- Software
  - ASP.Net Core Version 8.0
  - SSMS - SQL Server

4.3.2 Client

- Hardwave:
  - Window:8, 9 or higher
  - Memory (RAM): 1 Gigabytes or more
- Softwave
  - Web Browser: Microsoft Edge, Mozilla Firefox, Chrome,...

4.3.3 Development:

- Microsoft SQL server Management Studio.

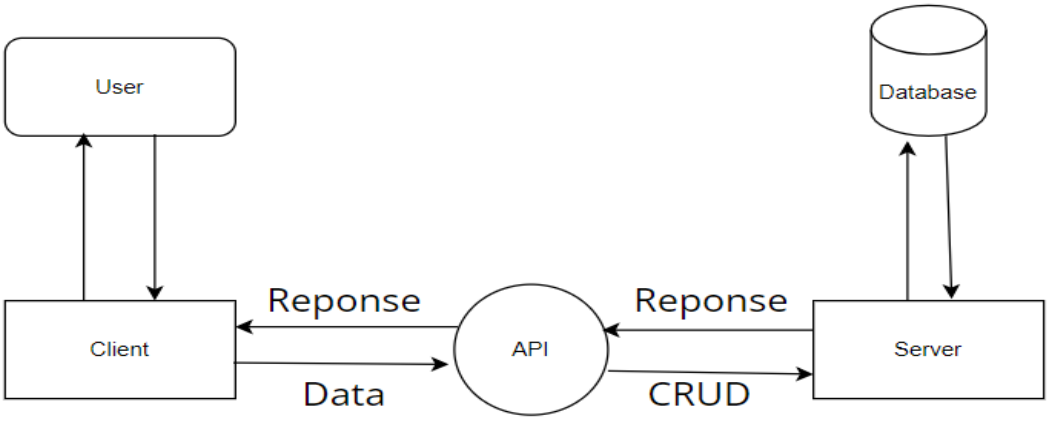
- Microsoft Visual Studio 2022.
- Microsoft Visual Code.

4.3.4 Technology:

- ASP .Net Core 8.0

Review 02

ARCHITECTURE AND DESIGN



1.5 Presentation Tier

- This is the tier in which the users interact with applications. Presentation Tier contains Model, View, Controller used to receive a request and response to User.
- Technology: ReactJS, HTML, CSS, JS.

1.6 Business Logic Tier

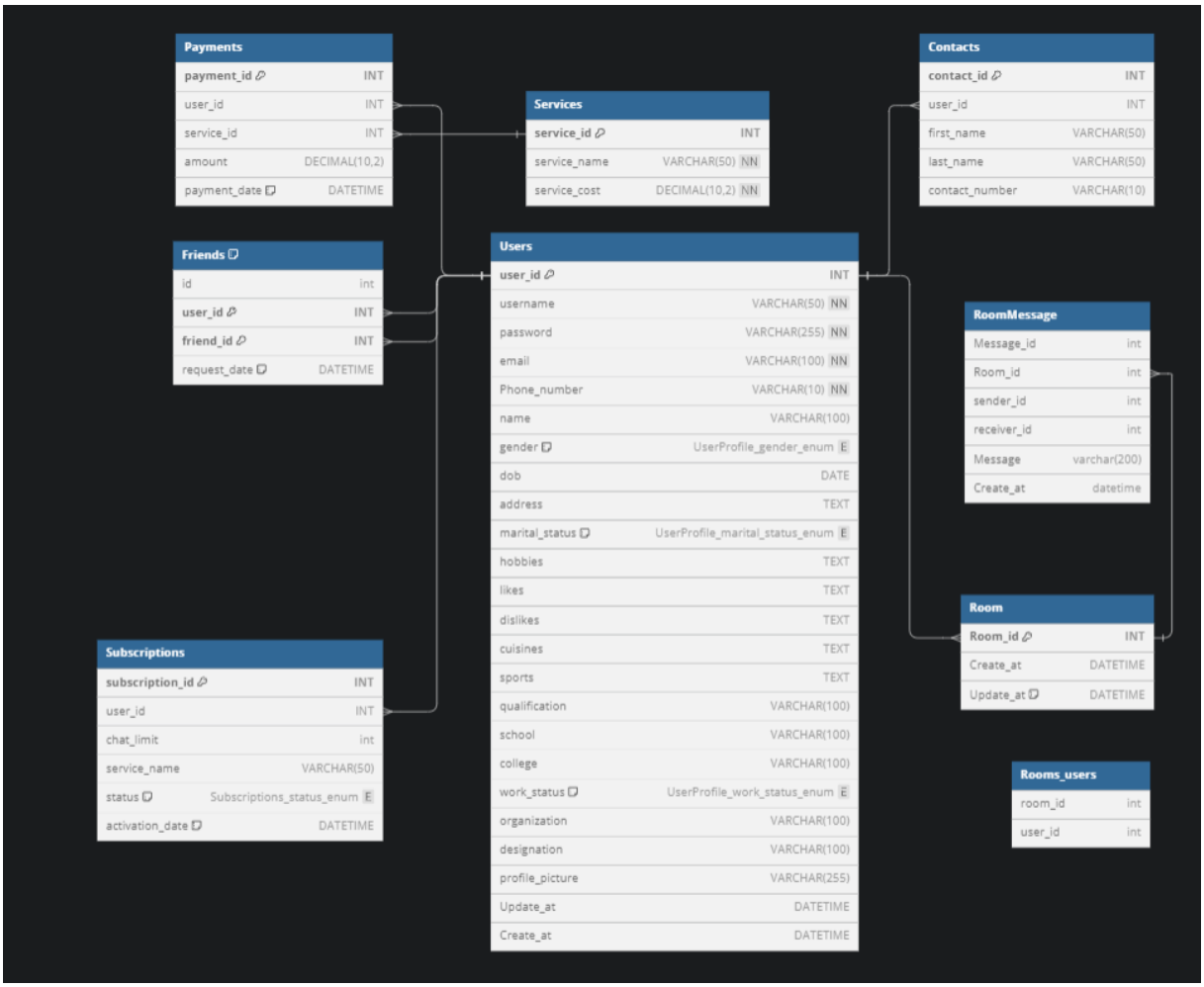
- Is mainly working as the bridge between Data Tier and Presentation Tier. All the Data passes through the Business Tier before passing to the Presentation Tier.
- Technology: API ASP.NET CORE.

1.7 Data Access Tier

- This is basically the server which stores all the application's data. Data tier contents Database Tables, Database Views and other means of storing Application's data.

- Technology: SQL Server.

ENTITY RELATIONSHIP DIAGRAM



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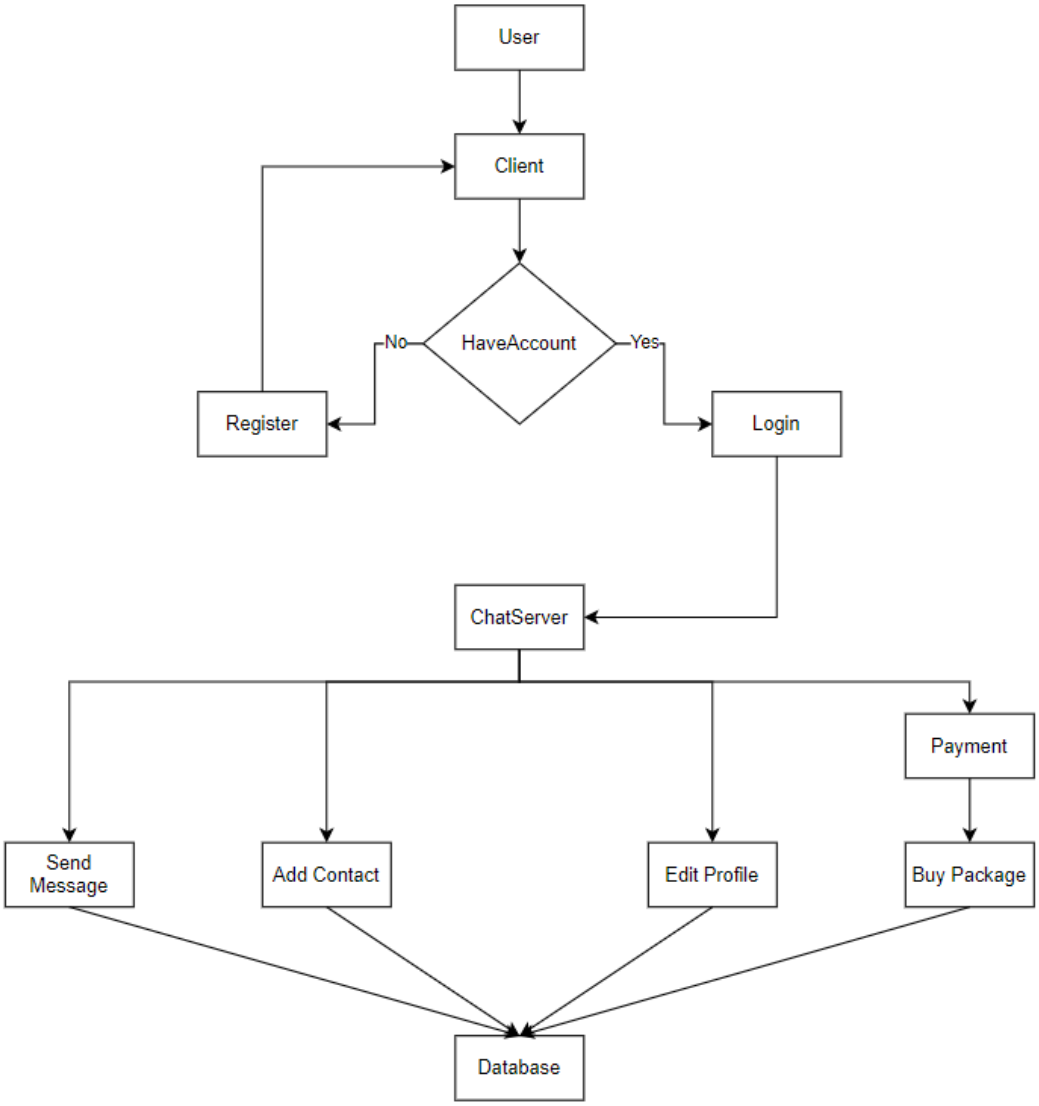
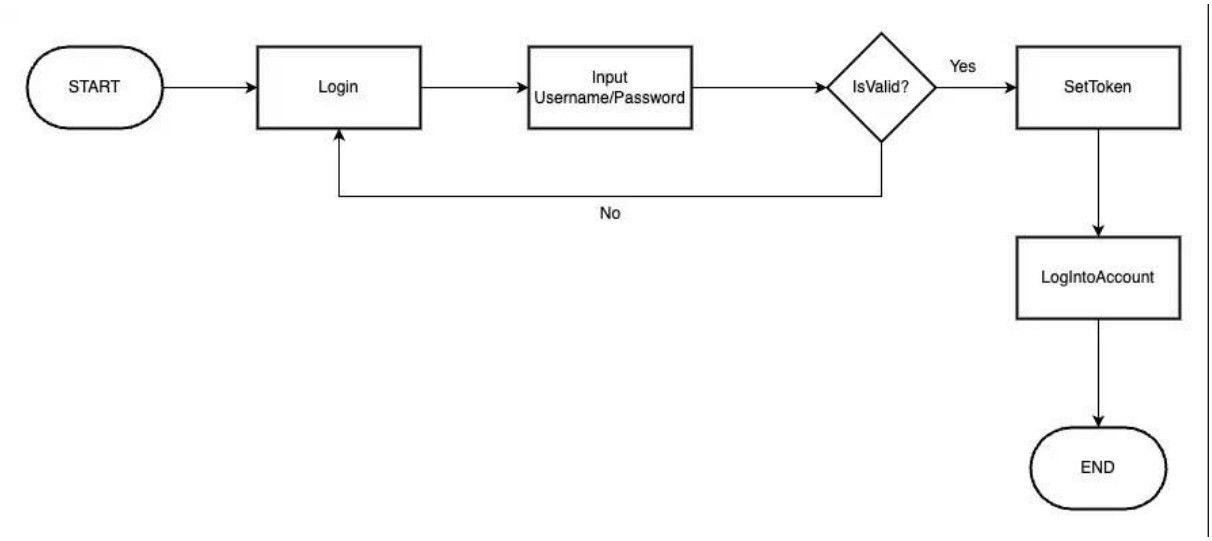
	Project Group No:4	DINH HOAI VU
Signature		
Date		

DATA FLOW DIAGRAM

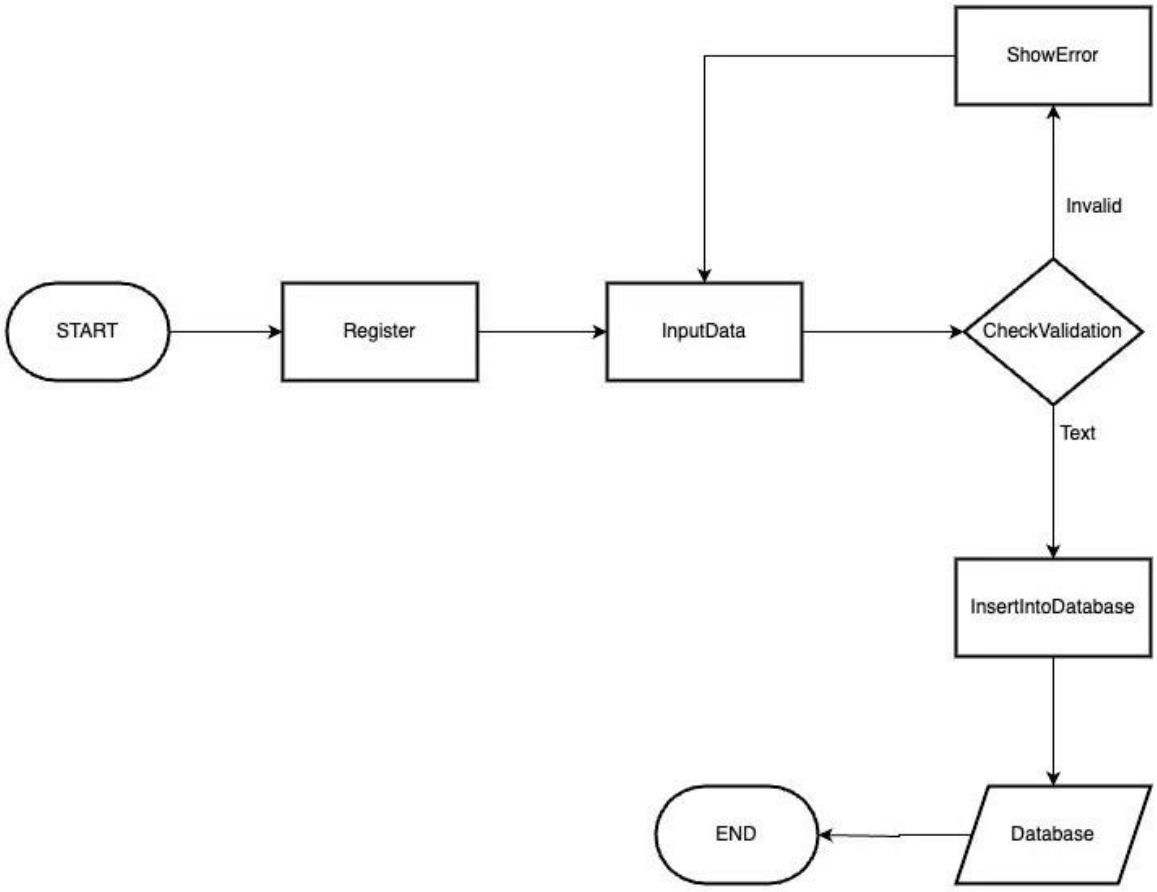


ALGORITHM AND FLOW CHART

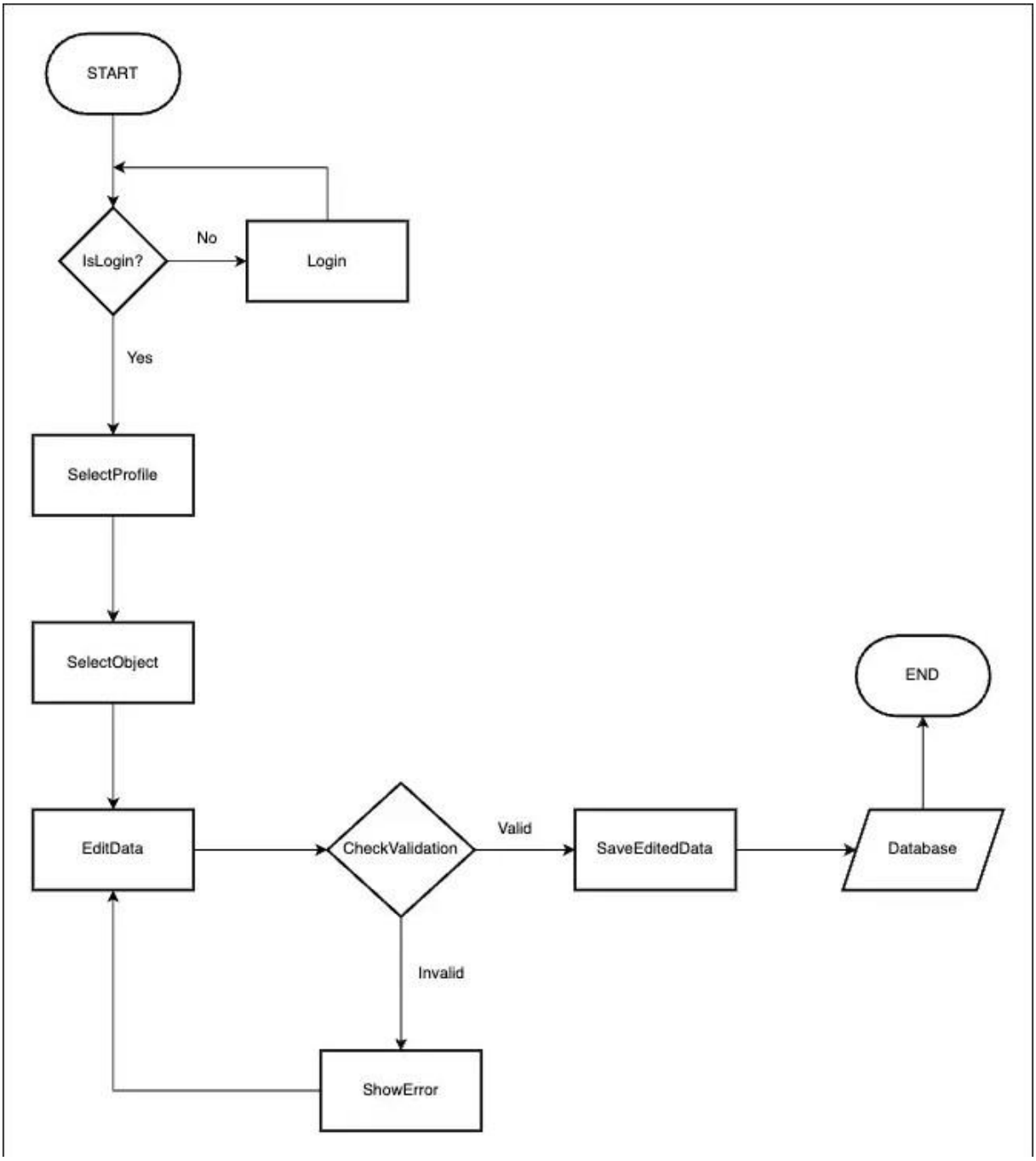
1.8 Login



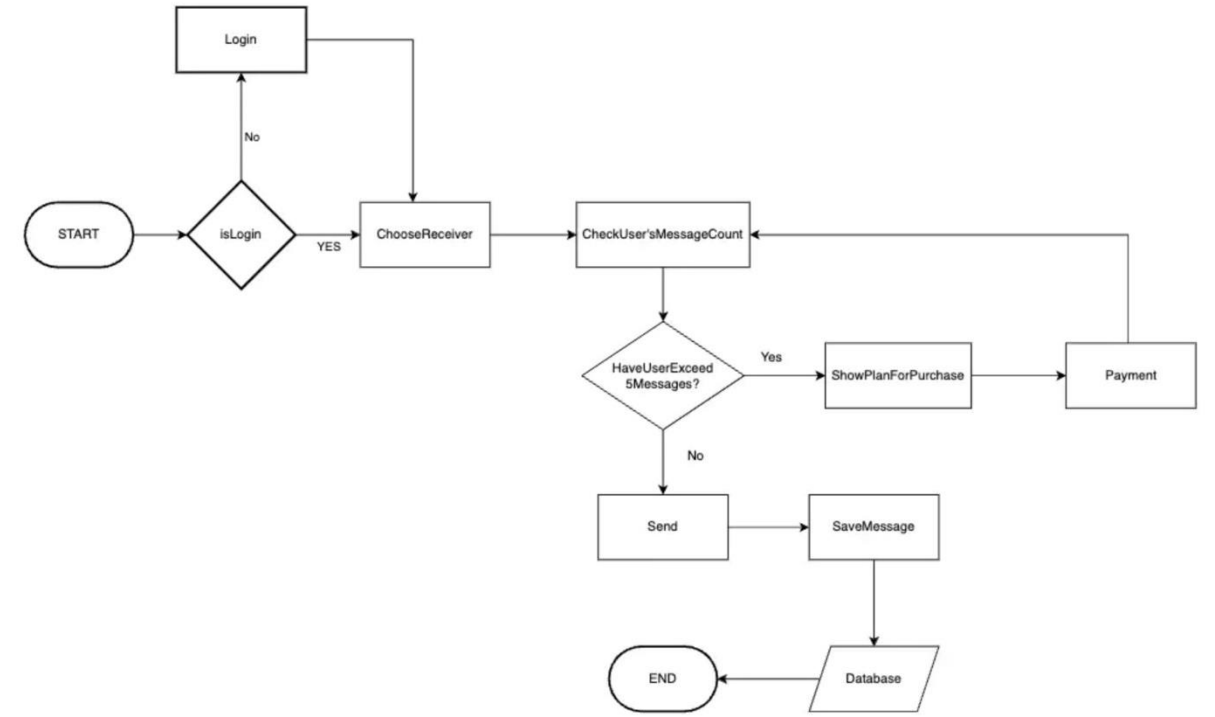
1.9 Register


ShowError
Invalid
START
Register
InputData
CheckValidation
Text
InsertIntoDatabase
END
Database

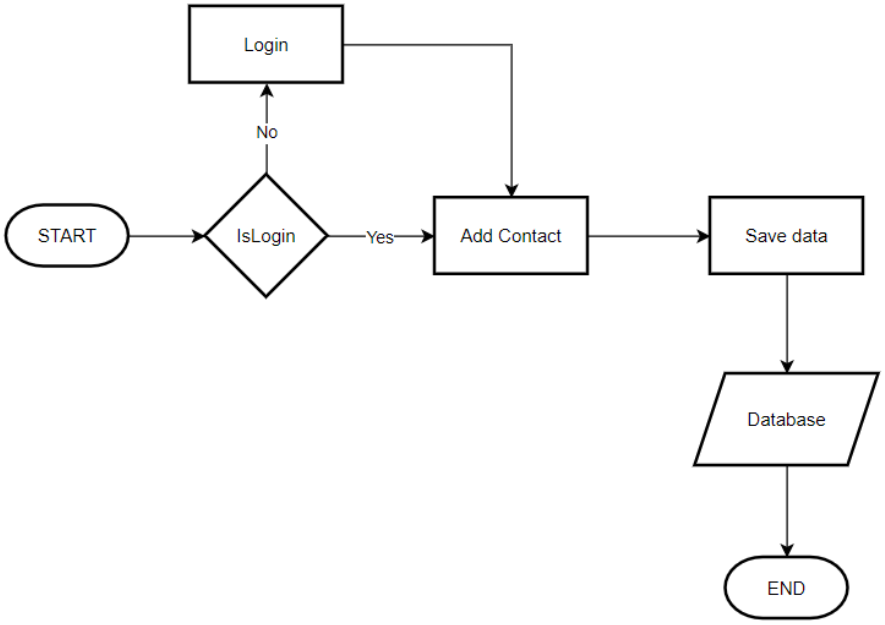
1.10 Edit profile



1.11 Chat


Login
No
START
isLogin
YES
ChooseReceiver
CheckUser'sMessageCount
HaveUserExceed 5Messages?
Yes
ShowPlanForPurchase
Payment
No
Send
SaveMessage
END
Database

1.12 Contact us



1.13 Payment

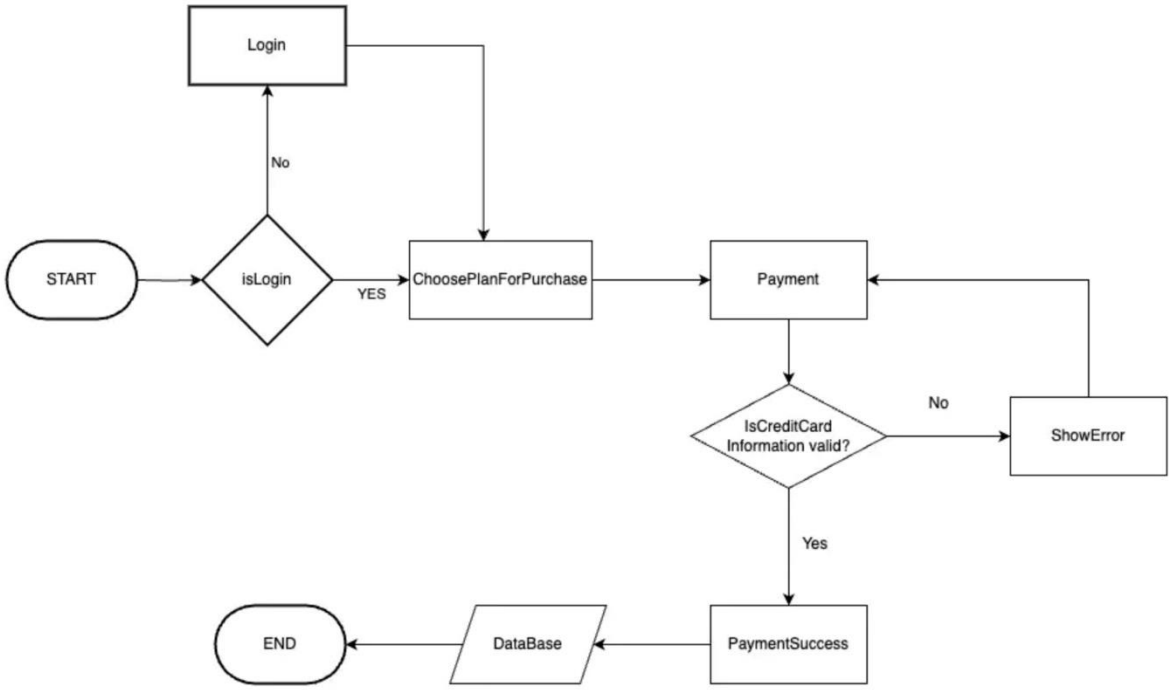

Login
No
START
isLogin
YES
ChoosePlanForPurchase
Payment
IsCreditCard
Information valid?
No
ShowError
Yes
END
DataBase
PaymentSuccess

TABLE DESIGN

1.14 Room

Field Name	Data Type	Key
Room_id	int	Primary
Create_at	datetime	
update_at	datetime	

1.15 Room Message

Field Name	Data Type	Key
Message_id	int	Primary
Room_id	int	
Send	varchar(50)	
Message	varchar(255)	
Create_at	datetime	

1.16 Friend

Field Name	Data Type	Key
id	int	Primary
User_id	int	
Friend_id	int	
Request_date	datetime	

1.17 Contact

Field Name	Data Type	Key
Contact_id	int	Primary
User_id	int	
Name	varchar(50)	
Contact_number	varchar(10)	

1.18 Payment

Field Name	Data Type	Key
Payment_id	int	Primary
user_id	int	
service_id	int	
amount	decimal	
payment_date	datetime	

1.19 Service

Field Name	Data Type	Key
Service_id	int	Primary
Service_name	varchar(50)	
Service_cost	decimal	

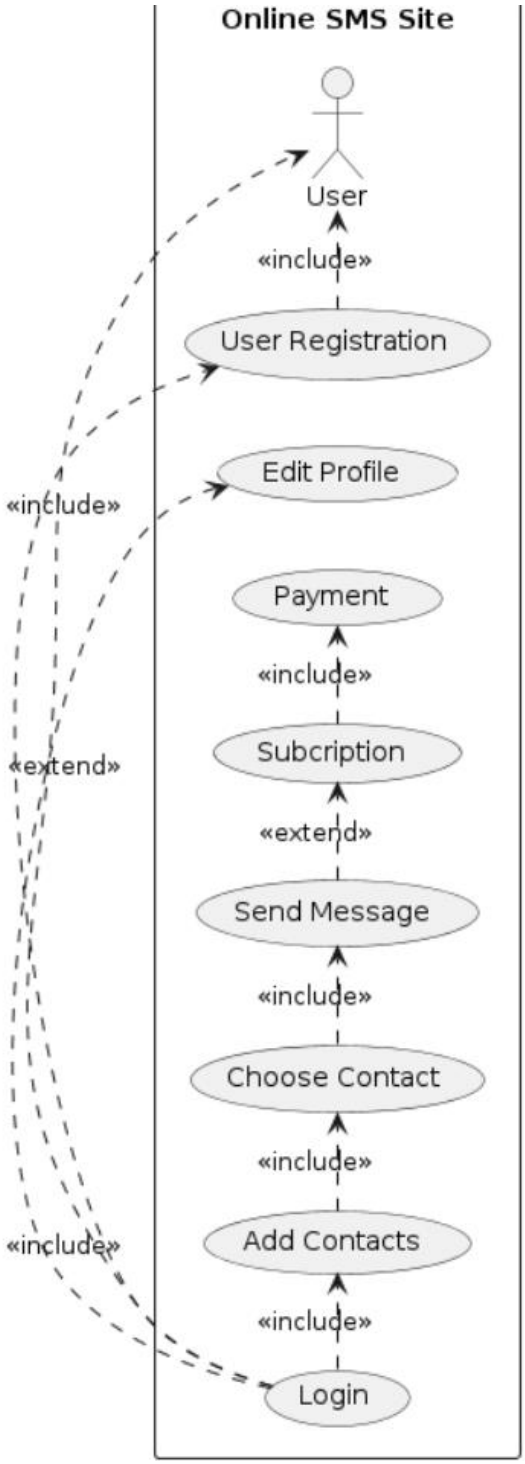
1.20 User

Field Name	Data Type	Key
User_id	int	Primary
User_Name	varchar(50)	
Password	varchar(255)	
Email	varchar(100)	
Phone_number	varchar(10)	
Name	varchar(100)	
Gerder	varchar(10)	
DOB	date	
Address	varchar(100)	
Marital_status	varchar(10)	
hobbies	varchar(50)	
likes	varchar(50)	
dislike	varchar(50)	
cuisines	varchar(50)	
sports	varchar(50)	
qualification	varchar(100)	
school	varchar(100)	
college	varchar(100)	
work_status	varchar(10)	
organization	varchar(100)	
designation	varchar(100)	
profile_picture	varchar(255)	
update_at	datetime	
Create_at	datetime	

1.21 Subcription

Field Name	Data Type	Key
Subcription_id	int	Primary
User_id	int	
chat_limit	int	
Service_name	varchar(50)	
status	varchar(10)	
activation_date	datetime	

USE CASE DIAGRAM



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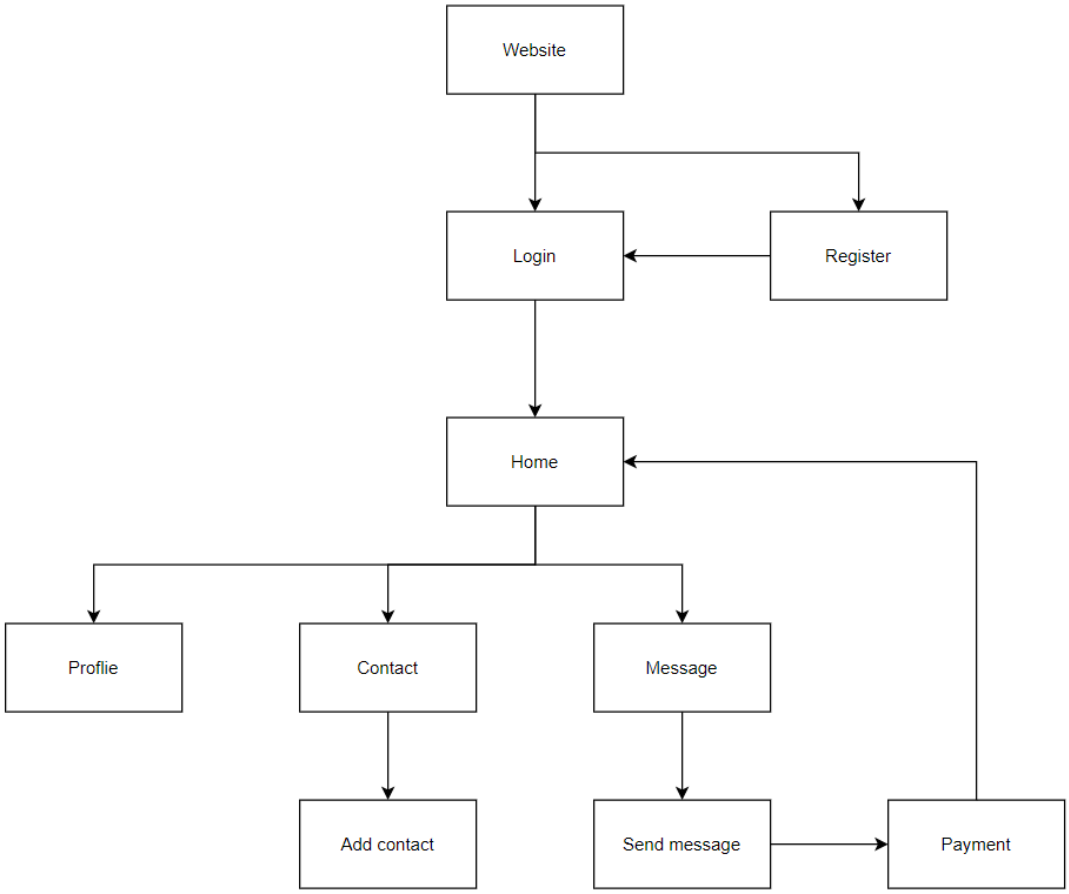
Signature		
Date		

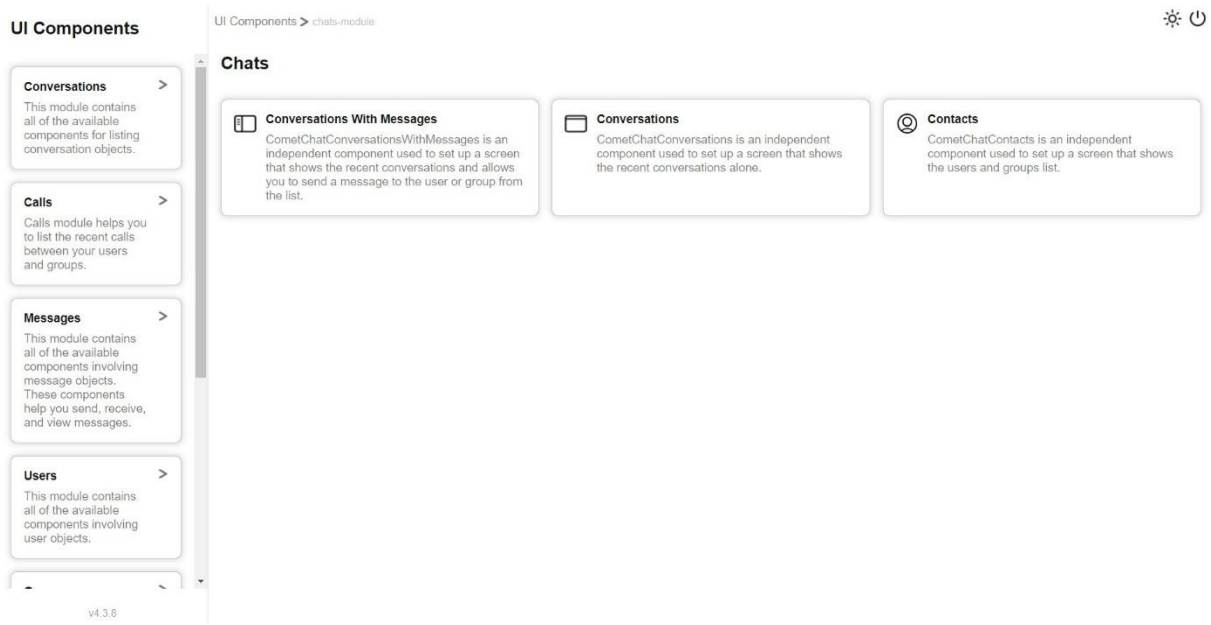
SITE MAP


Website
Login
Register
Home
Proflie
Contact
Message
Add contact
Send message
Payment

Review 03

SCREEN SHOTS

1.22 Dashboard:

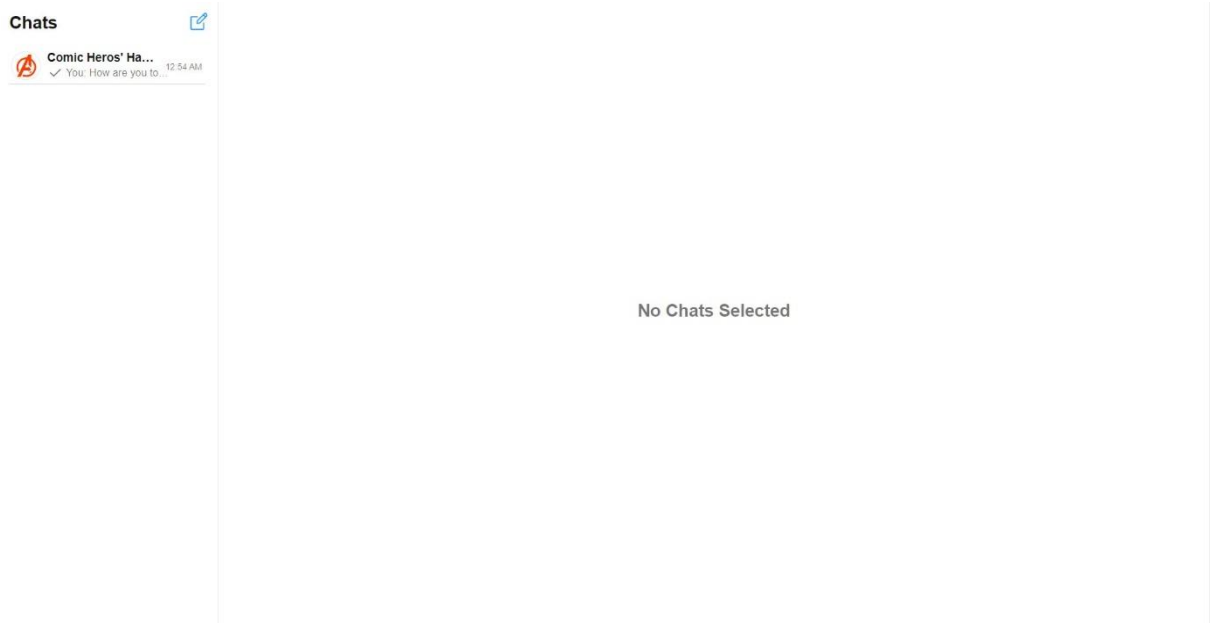


Description : OnlineSMS website dashboard. Give users a look at online chat services..

From : The dashboard is opened using the home page.

To : From the dashboard, one can access specific services of the site.

1.23 Chat:

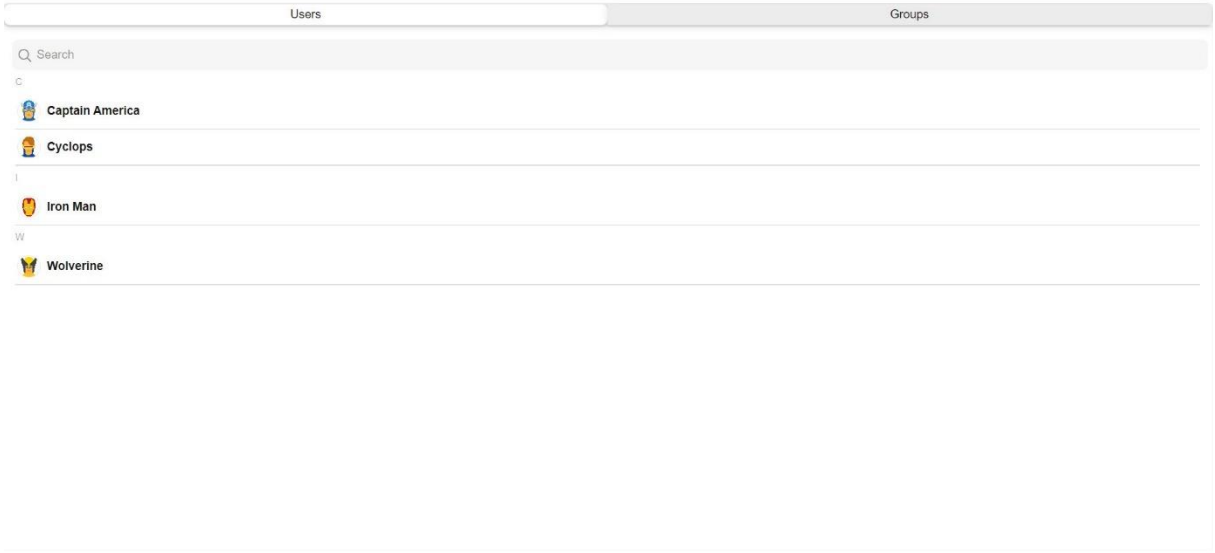


Description : Chat page. Show the users chat rooms.

From : The Dashboard opens with the Chat page .

To : From the Chat page you can go to the chat room.

1.24 Contact:

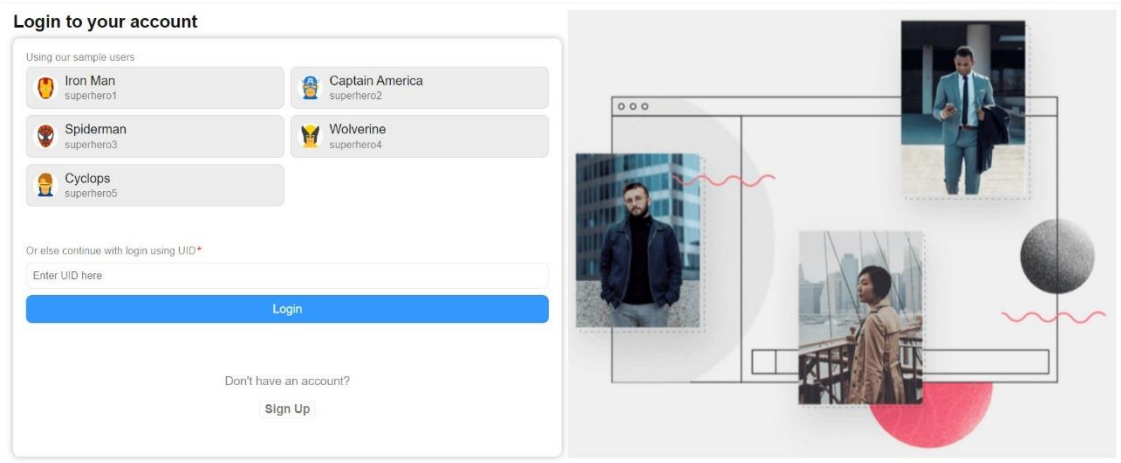


Description : Contact page. Allow users to add contact and view contact.

From : The dashboard page opens with the Contact page.

To : From the Contact page you can go to the view contact.

1.25 Login:



Description : Login page. Allow users to log in.

From : The home page opens with the login page.

To : From the login page can go to the homepage.

TESTING DOCUMENT

Sr. No	Features Tested	Remarks
1	Full Name	Done
2	UserName	Done
2	Email	Done
3	Password	Done
4	Phone	Done

FINAL CHECKLIST

Sr. No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view the images and links?	Yes
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	Yes
3	Are the GUI content devoid of spelling mistakes?	Yes
4	Is the application user-friendly?	Yes
5	Is the Website launching correctly in all popular browsers?	Yes
6	Are all the forms validated with proper criteria?	Yes
7	Do all text links lead to the appropriate website?	Yes
8	Do all image links lead to the appropriate website?	Yes
9	Are all the images and links clearly visible on the page?	Yes
10	Does the Web page work properly in all the tested browsers?	Yes
11	Does the Web page take too long to be loaded fully?	Yes
12	Is the navigation sequences correct through all the Web pages on the site?	Yes
13	Is the JavaScript code working as expected in all click events?	Yes
	(more…)	

	Prepared by (Student)	**Approved by (Faculty)**
	Project Group No:4	DINH HOAI VU
Signature		
Date		

TASK SHEET

No	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planed Start Date	Actual Start Date	Actual Days	Status
1	**Ngô Trần Thuấn**		Chat	Room,message,friend	8/6/2024	13/07/2024	5	OK
2					8/6/2024	13/07/2024	5	OK
3			Friend		8/6/2024	13/07/2024	5	OK
4					8/6/2024	13/07/2024	5	OK
1	**Phạm Đắc An**		Contact	Contact,user	8/6/2024	13/07/2024	5	OK
2					8/6/2024	13/07/2024	5	OK
3			Editprofile		8/6/2024	13/07/2024	5	OK
4					8/6/2024	13/07/2024	5	OK
1	**Hồ Anh Quân**		Login	User	8/6/2024	13/07/2024	5	OK
2					8/6/2024	13/07/2024	5	OK
3			Register		8/6/2024	13/07/2024	5	OK
4					8/6/2024	13/07/2024	5	OK
1	**Vũ Hải Anh**		Payment	Payment,subcriptsion	8/6/2024	13/07/2024	5	OK
2					8/6/2024	13/07/2024	5	OK
3			Package		8/6/2024	13/07/2024	5	OK
4					8/6/2024	13/07/2024	5	OK

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:4	DINH HOAI VU
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Date		