



Dharmsinh Desai University, Nadiad

**Faculty of Technology
Department of Computer Engineering**

B. Tech.(CE) Semester - V

(CE515)Advanced Technologies

Online Messaging System

By

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CERTIFICATE

This is to certify that Advanced Technologies Project entitled
“Online Messaging System”

is the bonafied report of work carried out by

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of Department of Computer Engineering ,Semester V ,

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Guide

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Abstract

Online Messaging System is for provide platform of communication with people and stay connected with each other.

Our platform provide support to the user with easy registration and login with ease of messaging each other in group and privately.They can create their profile and manage them.

Introduction

Brief :

Online Messaging system for user who wants to connect with people and chat with them.

Tools Used :

Visual Studio Code

Technologies Used :

HTML 5

CSS

Bootstrap

Angular cli

Typescript

Express-Node JS

MongoDb

Platform Used :

Localhost

Software Requirement Specification

Application Scope:

This project is to create a chat website with a server and user to enable the users to chat with each others. It will be able to communicate with two computers using point to point communication. The limitation of this system is it does not support audio. Companies would like to have communication software where they can communicate instantly with other organization.

Type of Users:

1. End User

Product Functions:

- View profile
- Edit profile
- Add contact
- Send message
- Create group
- Chat history
- Private chat

Functional Requirements

Function requirement for end user

R.1 : Registration

Users must have to register with this system and user have to create new account for this system. Where Users should create username and password with constraints.

Input: Email-address, Personal details

Output: if validation of email id is successful , then go to login page and display registration successful. Otherwise ask to give correct inputs.

R.2: Login

Users must have to login to System by providing valid username and password. System shows a link to logout after the user has log into the system.

Input: Username, Password

Output: If validation of username and password is successful ,then go to home page of system. Otherwise shows error and ask to give correct inputs.

R.3:profile

User can edit their profile using this functionality. User have to modify this details appropriately. After edit profile user can save their profile and afterward also they can edit their profile. User can also view their profile.

R.3.1: Edit profile

Input: User has to click on edit profile button. User have to give all details or any detail for input like user photo, birthdate ,interested in , etc.

Output: After click on the save profile user get message of success.

R.3.2: view profile

Input: No need of input for viewing profile

Output: User can see their profile.

R.4: Add contact

Detects all contact from users phonebook. If any of the contact have user account with this system , those contact automatically added in the contact list of user. Otherwise user can send invitation to their contact.

Input: System will automatically find contact ,but if contact has no account then user have to click on the invite button.

Output: contact will be add in contact list if they have account else request will be gone .

R.5: Send message

User can send message to their contact list or their friend .

Input: User have to write message in the box which is give bottom of the page. By pressing enter message will be gone to his/her friend and receiver can see message in their chat box.

Output: The message is shown in the user chat box and also friend's chatbox.

R.6: Show chat history

User can see their chat history.

Input: User have to click on button.

Output: User can see chat history with their friend.

R.7: Create group

User can create group of their friend and chat or message publically.

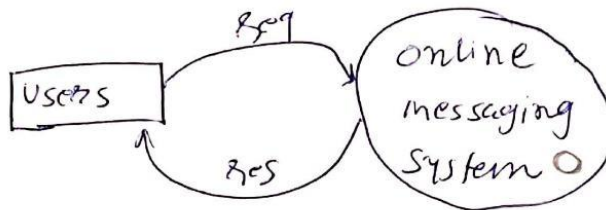
Input: User have to give name of participant and user has to give name of group.

Output: Group will be created.

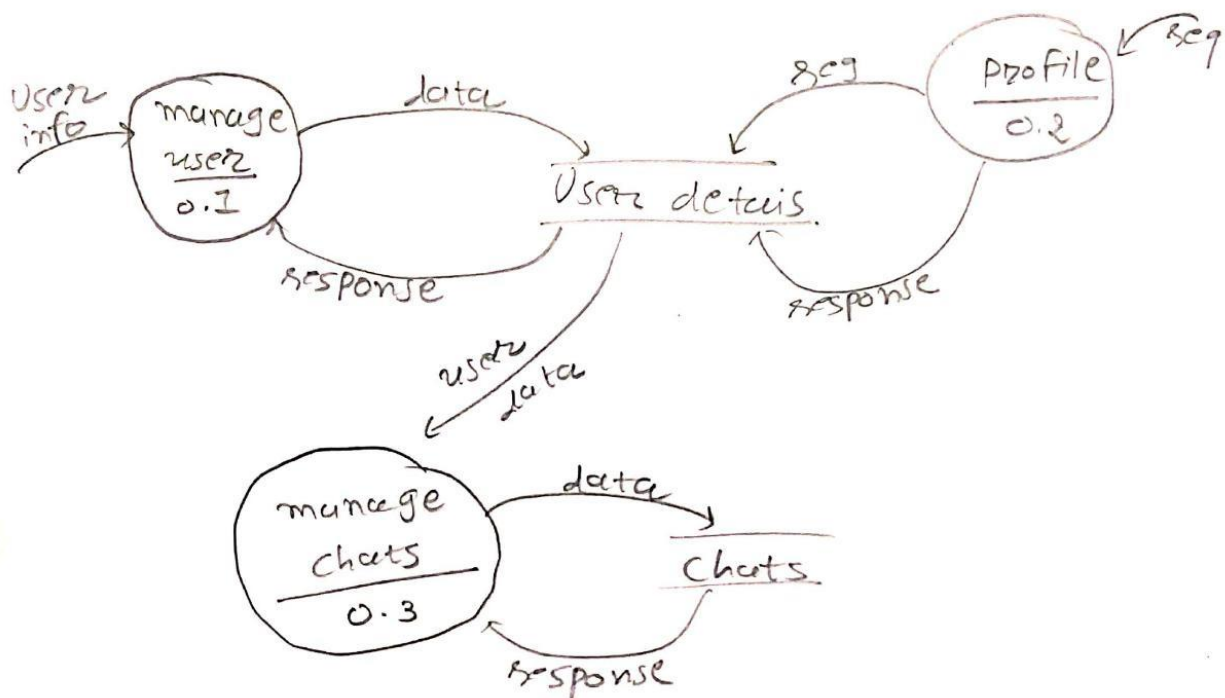
DESIGN

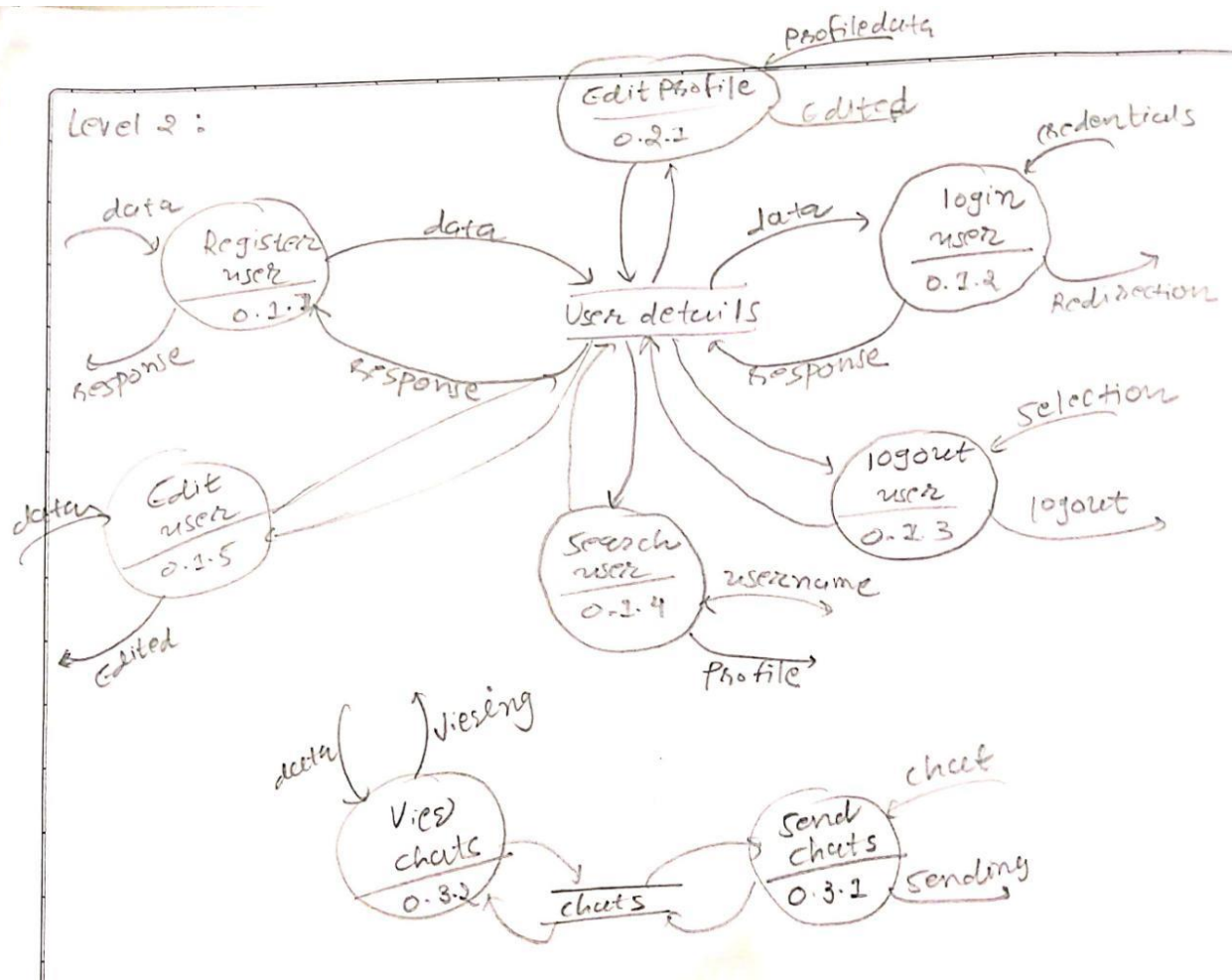
1) DFD DIAGRAM

level 0 :

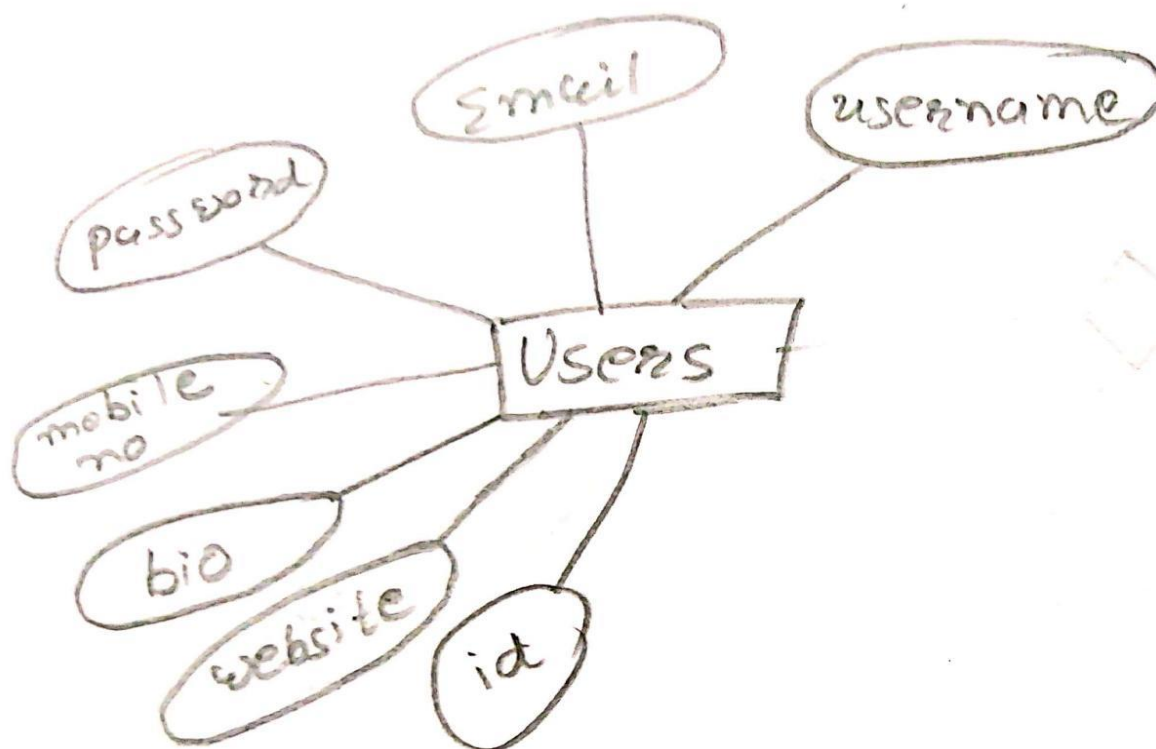


Level I:





2)E-R DIAGRAM



3) Data Dictionary

User Table

Sr no.	Field name	Data Type	Width	Required	Unique	Pk/ Fk	Referenced table	Description
1	username	String	50	yes	no			
2	mobilenno	String	10	yes	yes			
3	passwod	String	15	yes	no			
4	Id	Int	20		yes	pk		id is not entered by user.
5	bio	String	30	yes	no			
6	website	String		No	no			
7	Mail	String	50	yes	Yes			

IMPLEMENTATION DETAILS

1)Login & Registration module

In this module user can register with email and then login with credentials.

2)Forgot password

In this module user can modify their password after verification on email and then login with modified credentials.


3)Profile & Edit profile module

In this module user can view their profile and edit profile after login with correct credentials.

4)chat module

This is the major module of project.In this module user can chat with registered user which is shown in the left part of this module.In the chat window user can see the username of the other user who has sent message in the group.

Home Login/Register ADMIN Help



Email :
Enter Email

Username :
Enter Username


Mobile no :
Enter Mobile number

Password :
Enter Password

Register

[already register? Login](#)

Home Login/Register ADMIN Help

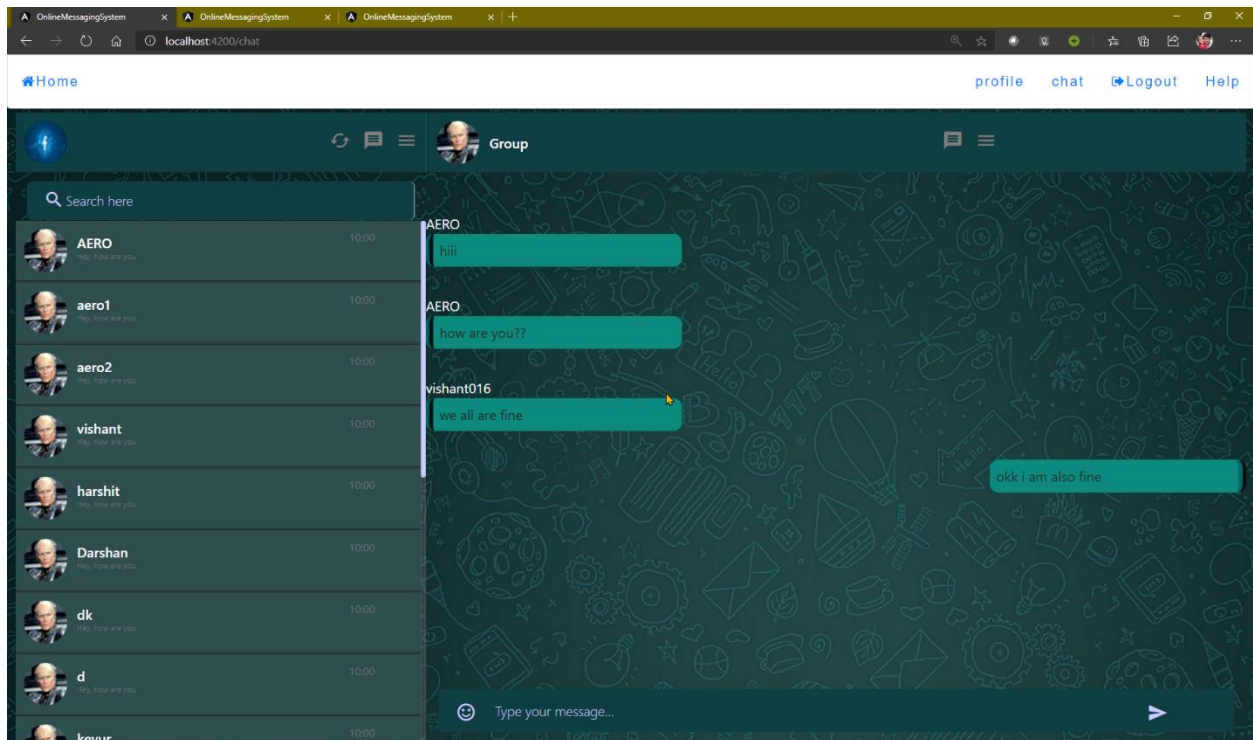


Email :
Enter Email

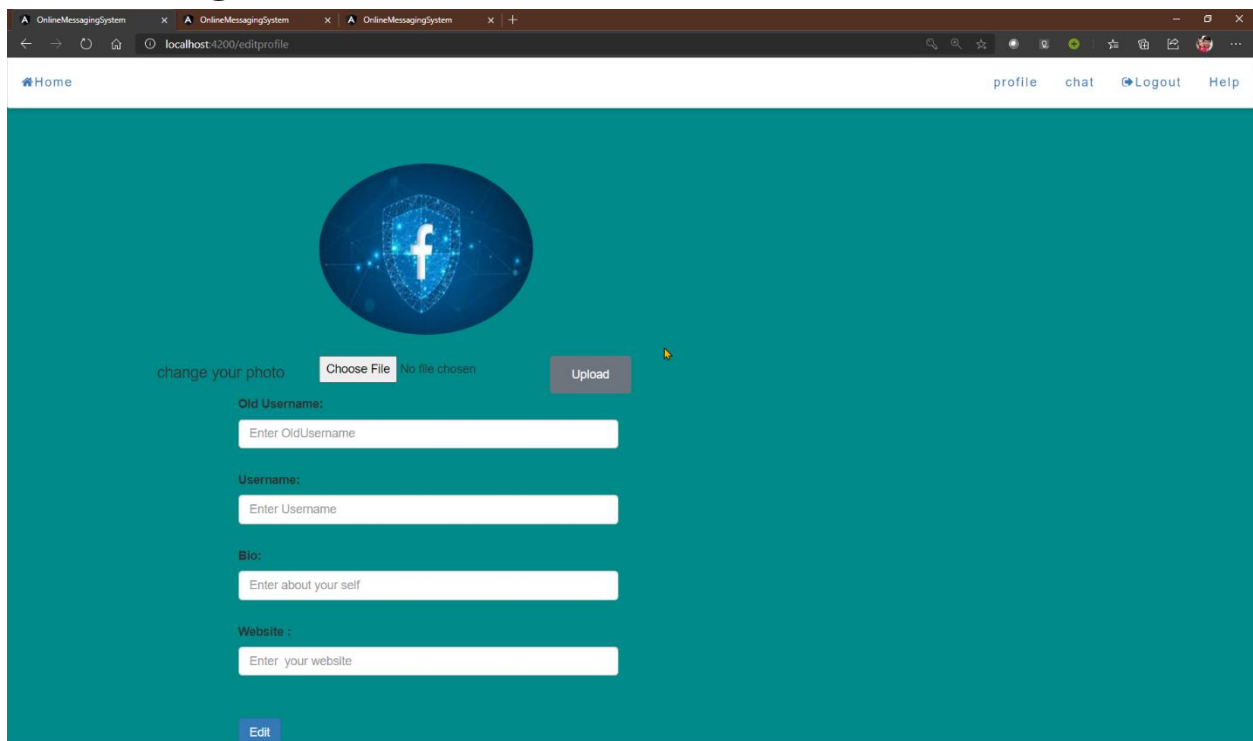
Password :
Enter Password

Login

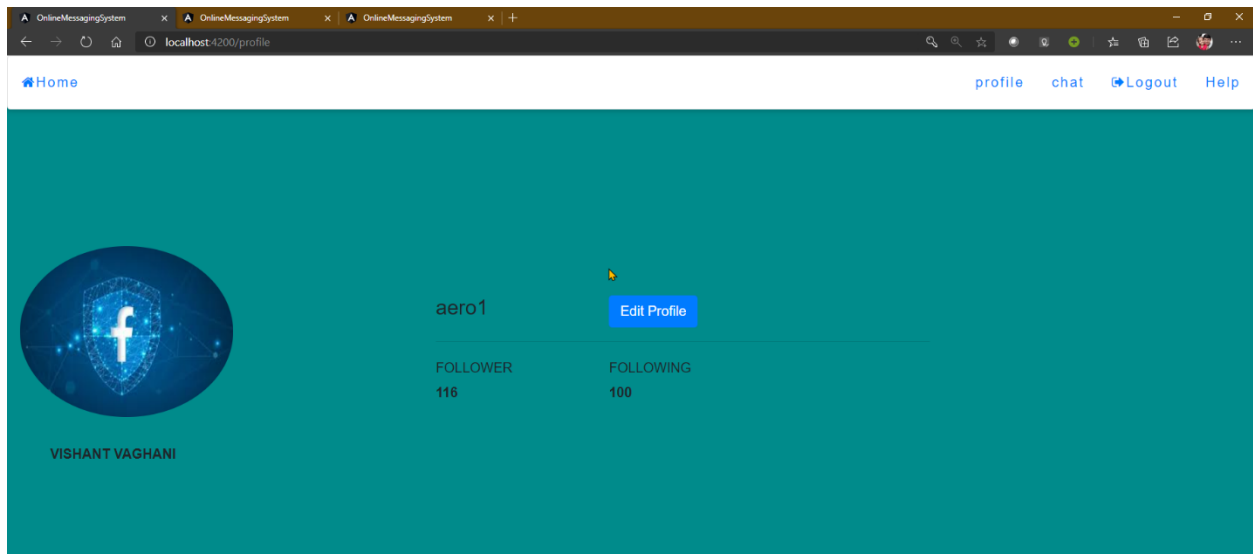
[forgot password](#)
[New user? Register](#)



EDIT PROFILE



PROFILE



Conclusion

In the Online Messaging System project, main functionality is chat with friend who is registered with us. First of all user have to create their account with registration with email and after log in user can connect with their friends. User can also create their profile and edit after successfully login.

LIMITATION AND FUTURE EXTENSION

In this system user can message in group but user can not chat with specific user. In this project all messages are temporary , if user logged out they cannot see all messages but they can see current messages which is sent by other members who is online.

We can extend this system with adding chats in database and then provide for lifetime. And also we can add functionality of private chat.

Bibliography

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