

PRESENTED TO - Dr. DAYA GUPTA

E-CHAT SERVICES



DSA Mid Term Evaluation Project Presentation

Presented By:

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CONTENT

"Man does not really love social media; he merely hates boredom and loneliness."

— Mokokoma Mokhonoana

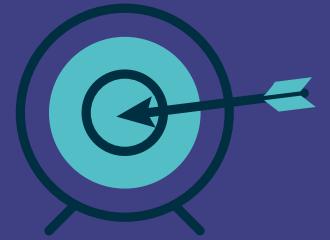
01

Introduction
History



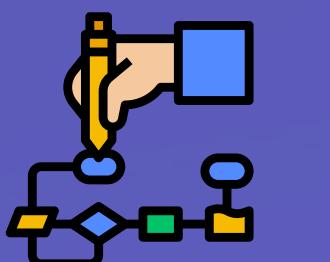
02

Aims &
Objective



03

Project
Structure



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Output Screen



05

Limitation
Future Scope



INTRODUCTION

...

Messaging apps currently have more global users than traditional social networks, implying that they will play a bigger role in digital journalism delivery in the future.

Young people no longer believe in actual relationships and want to live in the virtual world, thanks to the rapid proliferation of internet services

Day by day, the market for chat applications is being snatched up. Facebook, Twitter, WhatsApp, we-chat, mchat, Live chat, Go chat, chat on, and a slew of other chat apps are available.

HARDWARE SPECIFICATIONS

1. Processor - 11th Gen Intel(R) Core(TM) i5
2. Primary Memory - 8 GB
3. Secondary Memory - 512 GB
4. System - Type - 64-bit operating system



TOOLS USED

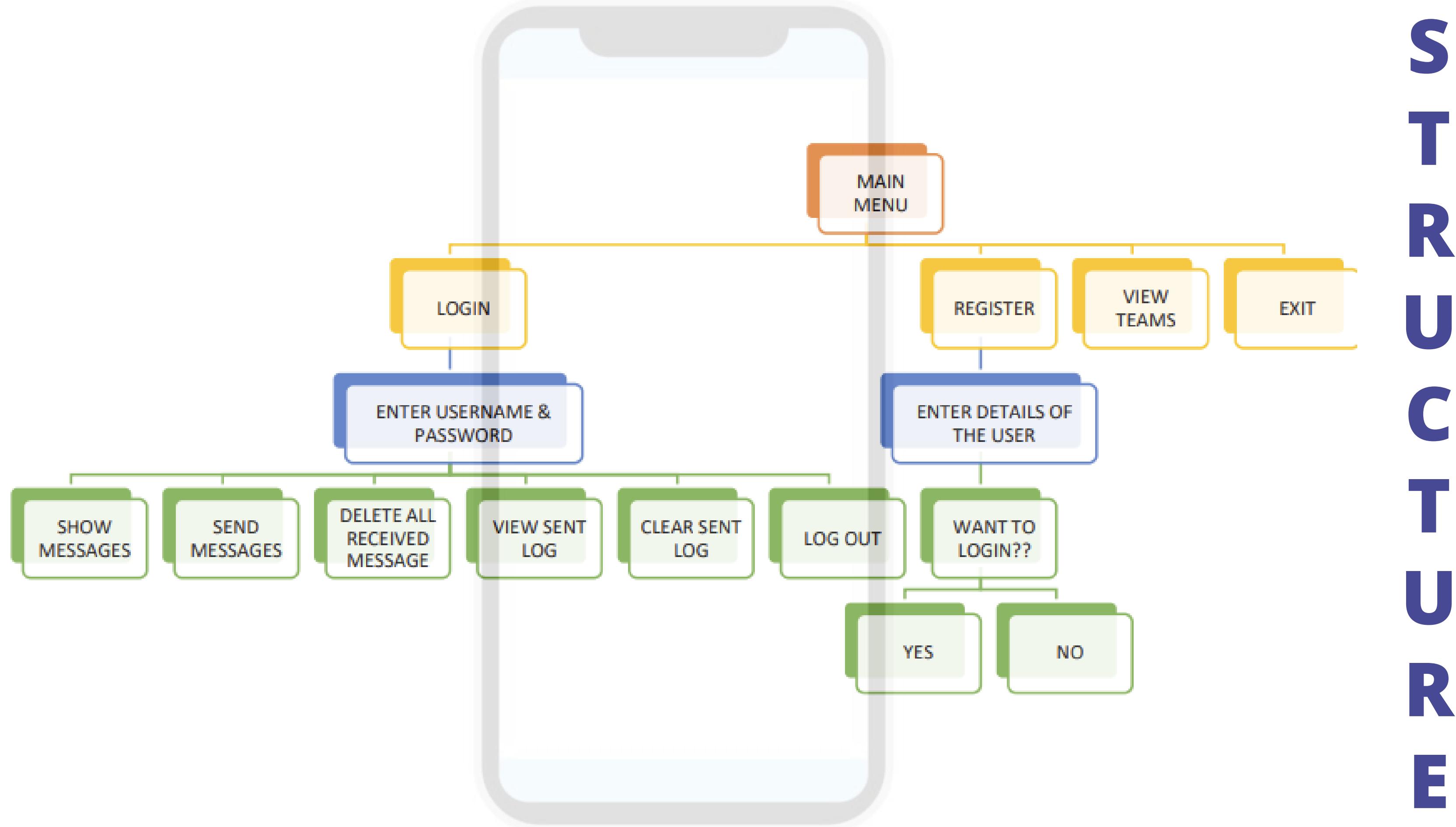
Code Blocks is used as the IDE (Integrated Development Environment), and C++ is the programming language



SOFTWARE SPECIFICATIONS

1. Operating system:- Windows 10 Pro
2. Software(IDE used):- Virtual Studio Code (vs Code)
3. Mingw Compiler

PROGRAM



STRUCTURE

AIM & OBJECTIVE

- To know the various function of C++, that are used for creating a simple yet innovative e-chat services
- To Spread the Basic knowledge of how chat applications are a part of our day-to-day life

FEATURES

- Creating and Changing Problems with Ease
- User Accounts were created to limit access of the user to their personal accounts
- Simple, easy-to-understand,
- Beginner-friendly
- Goals and objectives for aspiring programmers
- Workplace accuracy
- It's simple to update and delete data.

```
require File.expand_path('../config/environment', __FILE__)
# Prevent database truncation if the environment is test or test杠
abort("The Rails environment is running in production mode! Make sure you are not running this in production.") if Rails.env == "production"
require 'spec_helper'
require 'rspec/rails'

require 'capybara/rspec'
require 'capybara/rails'

Capybara.javascript_driver = :webkit
Category.delete_all; Category.create!(name: "Tech")
Shoulda::Matchers.configure do |config|
  config.integrate do |with|
    with.test_framework :rspec
    with.library :rails
  end
end

# Add additional requires below this line if you need them

# Requires supporting ruby files with custom matchers and helpers
# in spec/support/ and its subdirectories
# spec/support/_spec.rb will both be loaded by default. This means that you can keep these extra
# files out of your commit if they aren't relevant to your feature test
# run twice. It is recommended that you do not put anything here that would
# end with _spec.rb. You can instead put those in spec/support/_spec.rb
# or similar, as long as your file ends in .rb

# Run the tests with `rake spec` or `rspec spec` or even `rspec ./spec`
# No results found for 'mongoid'
#
```

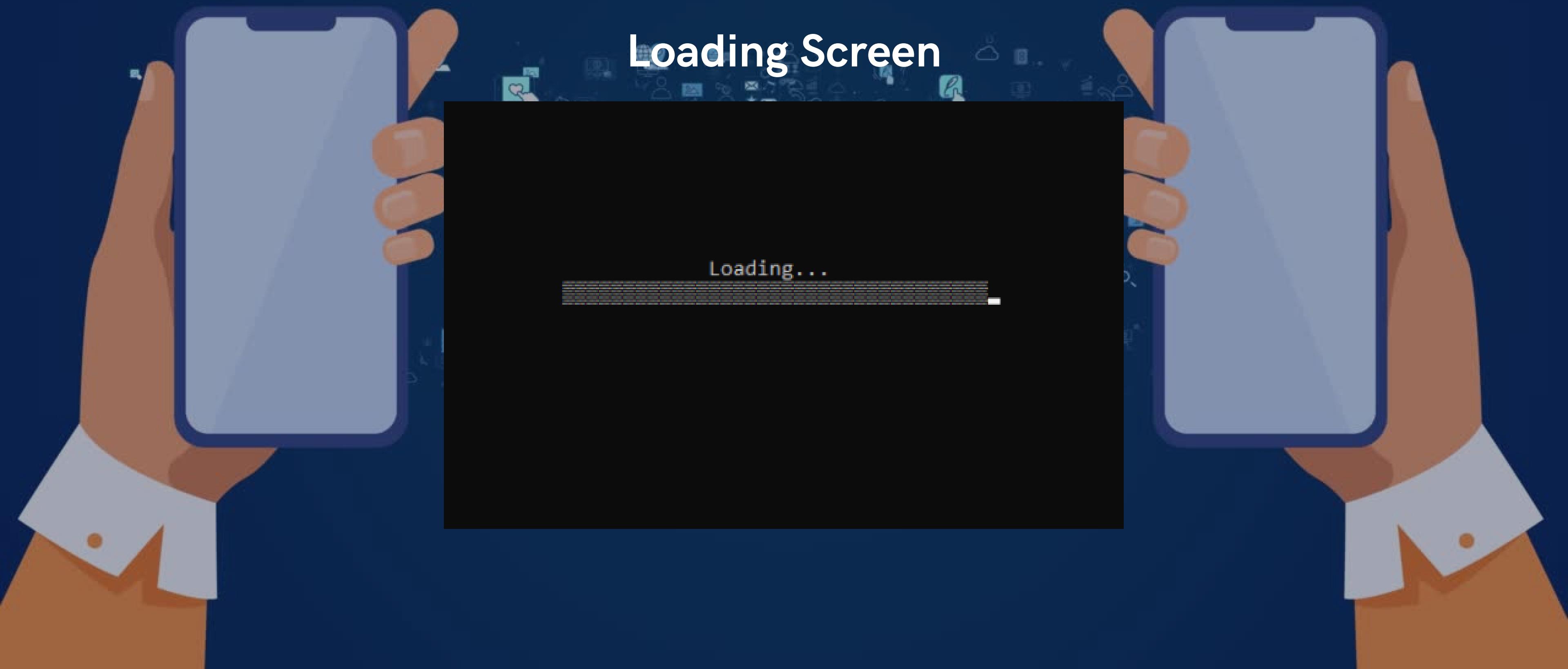
```
  }
} else {
  header1.css('padding-top', '' + header1_initialPadding + 'px')
}

if ($window.scrollTop() > header1_initialDistance) {
  if (parseInt(header1.css('padding-top'), 10) <= header1_initialDistance)
    header1.css('padding-top', '' + $window.scrollTop() - header1_initialDistance + 'px')
}
else {
  header2.css('padding-top', '' + header2_initialPadding + 'px')
}
```

DIFFERENT FUNCTIONS PRESENT

1. **void ViewTeam()**
2. **void Reg_rec_file()**
3. **void login_validation()**
4. **void message()**
5. **void messageValidation()**
6. **void back()**

OUTPUT SCREEN



MAIN SCREEN

Welcome to our C-mail Service

LOG IN

REGISTER

'L' for LOGIN

'R' for REGISTER

'T' for viewing Developer TEAMS

'E' for exiting the program

Enter Your Choice:

>> If you are new to our service, Please register first.
>> Already a member? You can directly Login.

LOGIN PAGE

LOG-IN PAGE

Username: naina

Password: ****

Homepage

LOGGED IN !!!SUCCESSFULLY!!!

Welcome, naina

1. For Showing message.
2. For Sending message.
3. For Deleting all received message.
4. For Viewing sent Message Log
5. For Clearing Log
6. For Log Out

Enter your choice:

Show Messages

Press 'B' to go back

Press 'R' to refresh

Press any other key to exit

Enter Your Choice: -

No Messages.

SEND MESSAGE

Send To (Username): mansi

Message Text Below

hey buddy, how r u doing?■

Message sent successfully to mansi

Press 'B' to go back

Press any other key to exit.

Enter Your Choice:

VIEW ALL SENT MESSAGE

To: mansi
MESSAGE:
hey buddy, how r u doing?

Press 'B' to go back

Press 'R' to refresh

Press any other key to exit.

Enter Your Choice:

REGISTRATION PAGE

REGISTER PAGE

First Name : Shuhani Last Name : seth
phn : 9136716179
Username : prathibha
Password : prathibha

Information:

- >> Username should be characters only.
- >> Password should be characters only.

!!! Registered Successfully !!!

Do you want to login?

1. Yes

2. No

Enter Your Choice: -

DEVELOPERS TEAM

DEVELOPED BY -

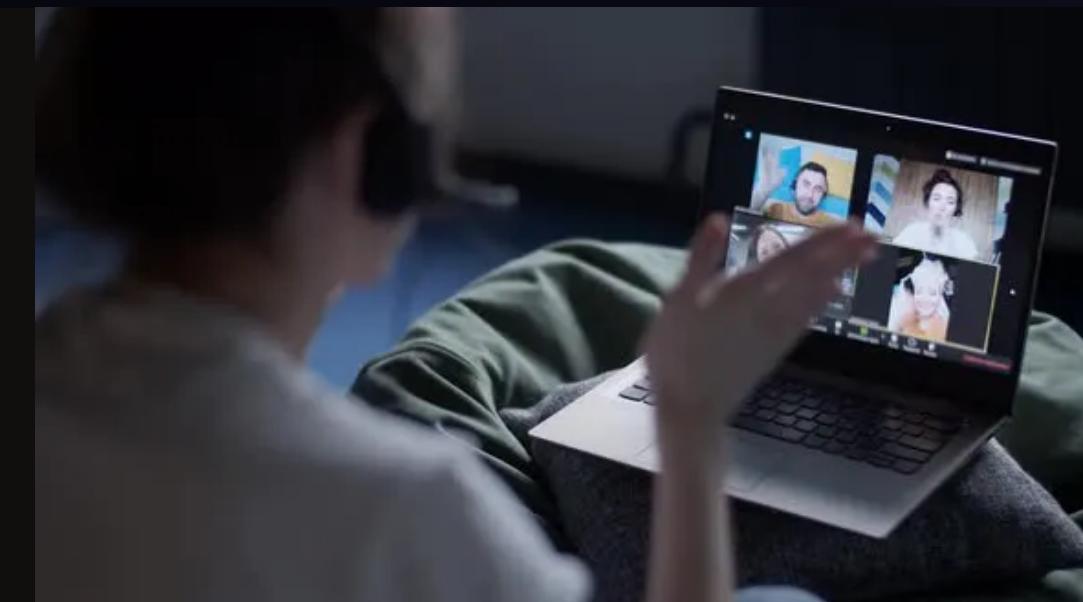
NAINA KHAN &
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B.TECH(COE), DTU

MANSI VERMA
(2K20/C0/260)
B.TECH(COE), DTU

LIMITATIONS



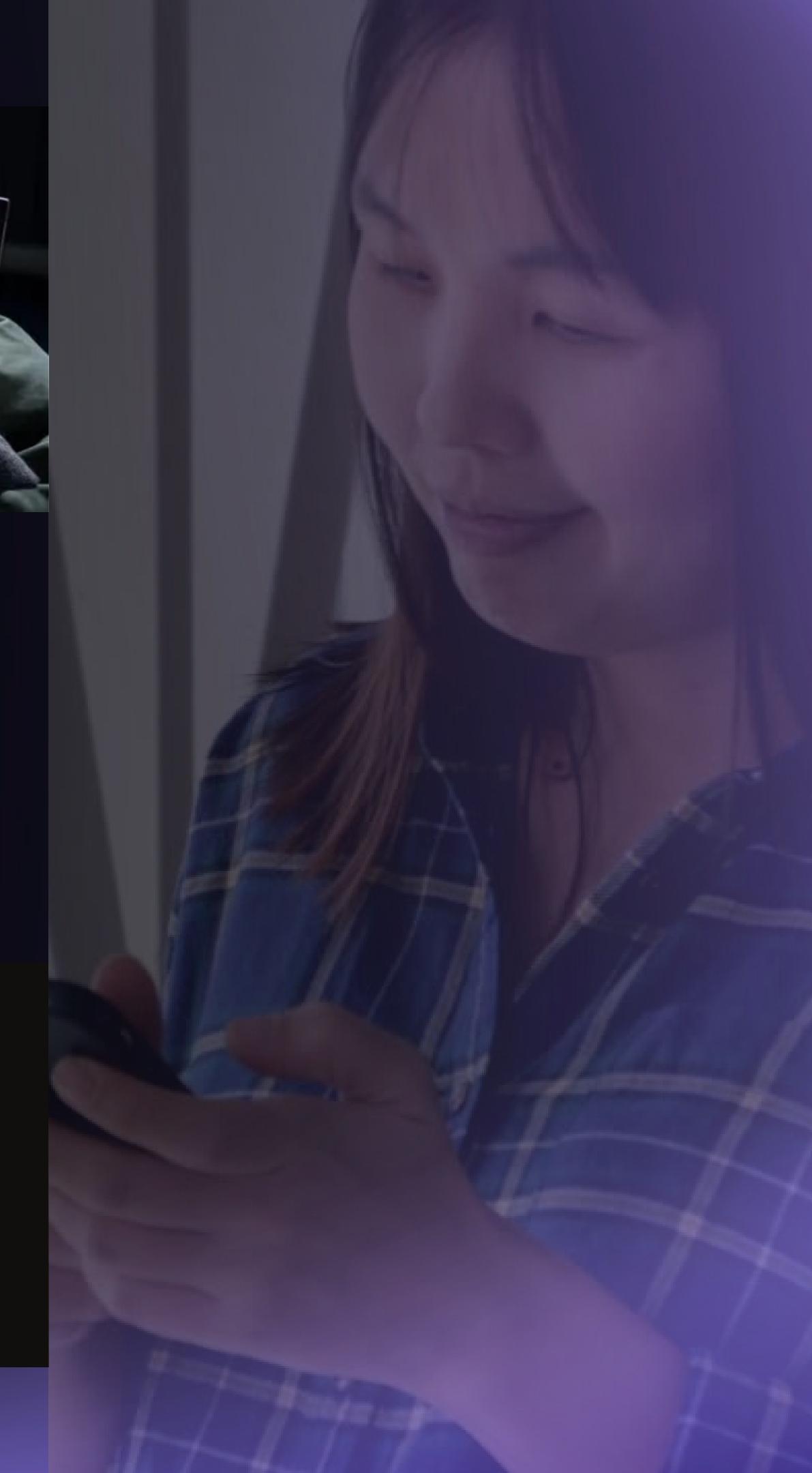
Paucity of time was also major constraint thus it was not possible to make the software fool proof and dynamic



THOUGH THE SOFTWARE PRESENTS A BROAD RANGE OF OPTIONS TO ITS USER SOME INTRICATE OPTIONS LIKE EMOJI'S AND CALLING COULD NOT BE COVERED PARTLY BECAUSE OF LOGISTIC REASON AND PARTLY DUE TO SOPHISTICATION

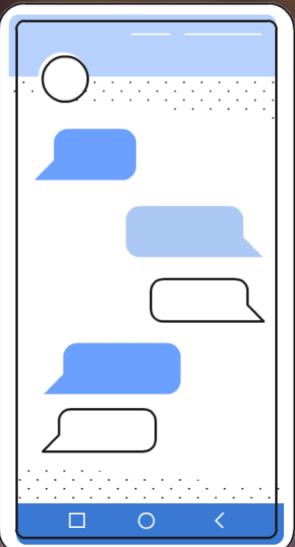


Database report has not been developed due to some criticality.



BENEFITS OF CHAT APPLICATION

- It's incredibly simple to use
- It saves a significant amount of time and money
- The program functions as a virtual platform that is accessible 24 hours a day, seven days a week
- It improves efficiency in providing high-quality services to customers
- It offers software development and assistance for custom features.
- Chat is a low-cost alternative to the telephone as a service channel, according to all research.
- It's simple to keep track of sessions and transcripts, run quality control audits, and help and oversee agents using chat.
- Some of us despise answering the phone. Adding a chat option gives your clients more options





FUTURE POSSIBILITIES & SCOPE

- We can add voice or video calling in the future.
- We can give more advances and unique features for this chat application including some more facilities.
- We can host this Platform on online servers to make it accessible.
- We can create a basic database for better accessibility.
- Implement the backend development more efficiently and database too.

Software Reference

- <https://www.programiz.com>
- www.stackoverflow.com
- <https://codezips.com/>

- <https://www.tutorialspoint.com>
- <https://code.tutsplus.com>
- <https://getstream.io/>

- <https://www.delftstack.com>
- <https://www.techyv.com>



THANK YOU!