TEXT FILE TRANSFER

A desktop GUI networking application, to transfer files from one user to another in a LAN, also enabled with a chat feature.

Group 2

CED17I046

COE17B010

COE17B015

COE17B036

COE17B047

File Transfer and Chat Desktop Application

INTRODUCTION

A desktop application for fast file transfer over LAN enabled with a chat feature developed in Java.

LANGUAGES & TOOLS USED:

1. JAVA
2. NetBeans IDE

DESCRIPTION:

1. IPFileMessenger.java:

   Java Code for the File Transfer Window

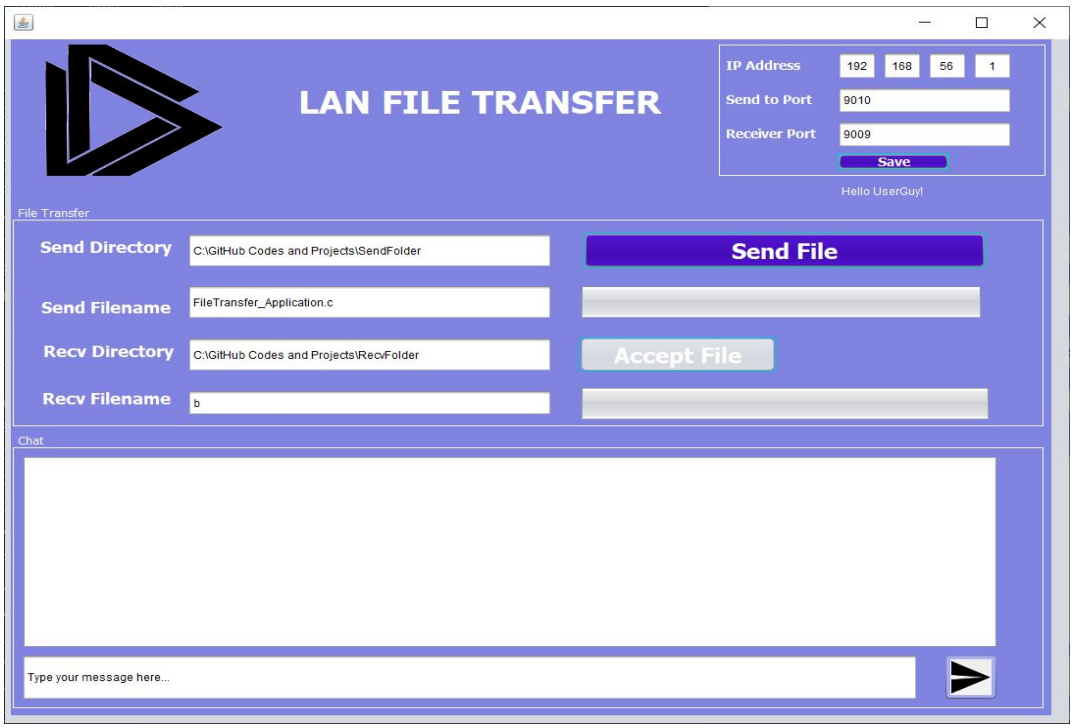
   Classes:

   a. Client
      i. CloseConnection() - close client connection
      ii. SendFile() - Sends File using SendFileThread
   b. Server
      i. AcceptClient() - Accepts new Client
      ii. CloseConnection() - close server
      iii. Chat_Init() and Chat_Listen() - Chatting
      iv. ReceiveFile_Init() and ReceiveFile() - Receive file using ReceiveFileThread

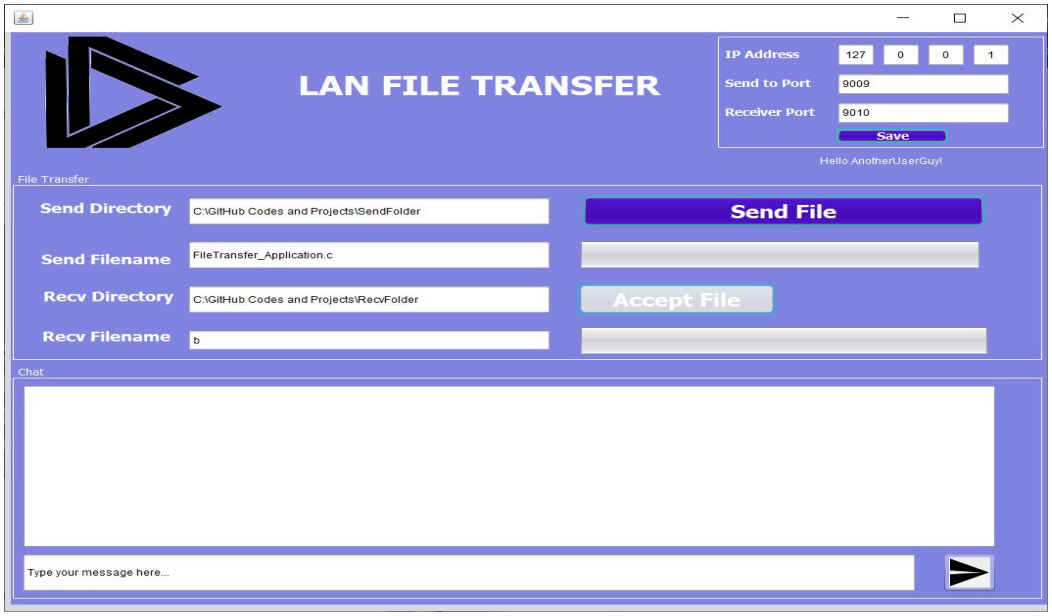
2. IPFileMessenger.form:

   Java Code for GUI of File Transfer Window

User 1:

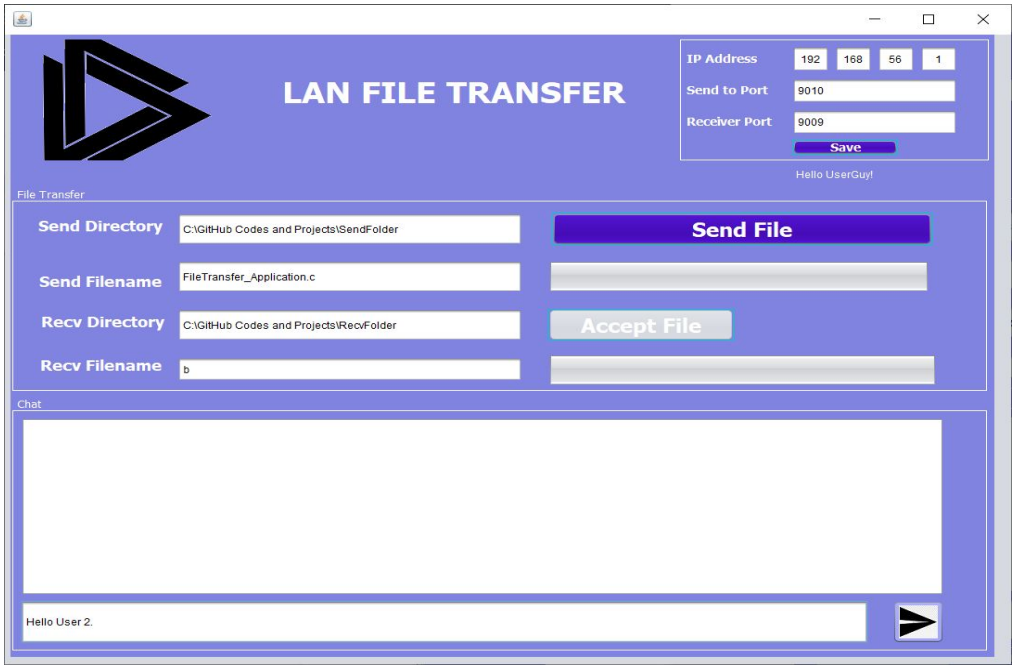


User 2:

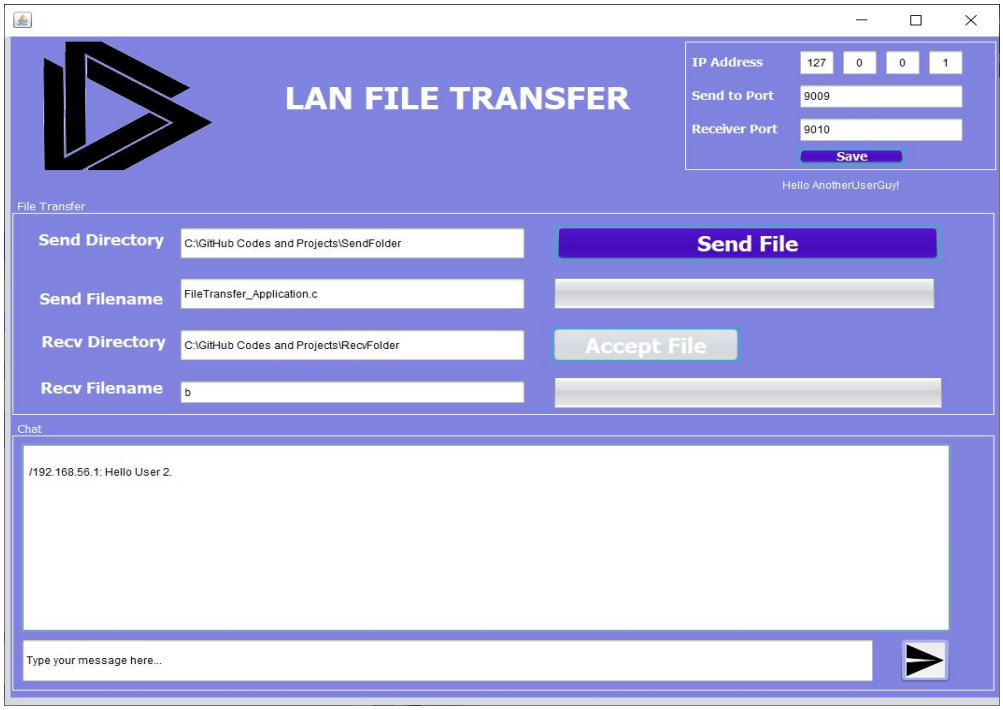


Chatting:

User 1 Sending Text - “Hello User 2”

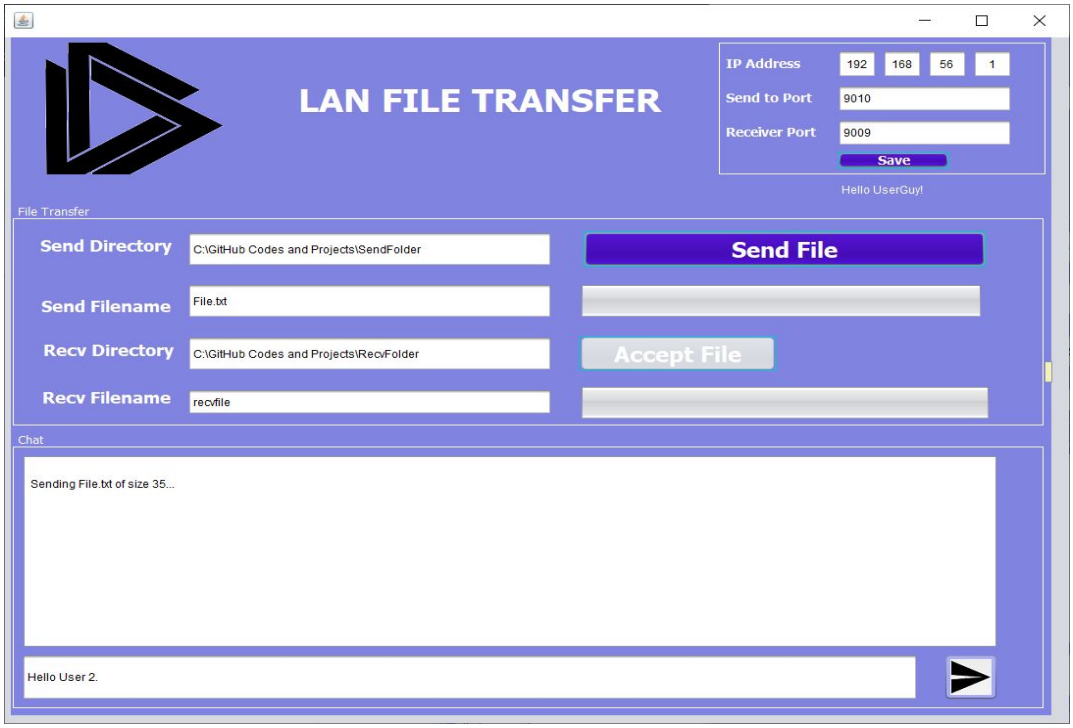


User 2 Received Text

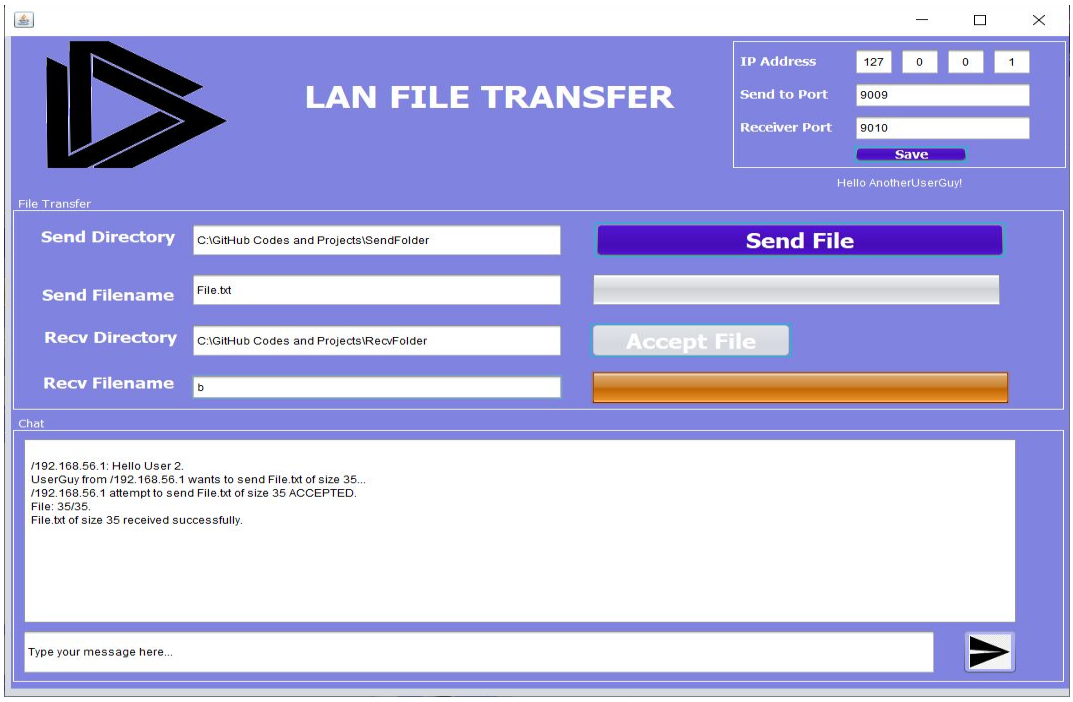


Sending Files:

User 1 Sending File File.txt



User 2 Receiving File and storing in b.txt



Original Text File:

Received Text File:

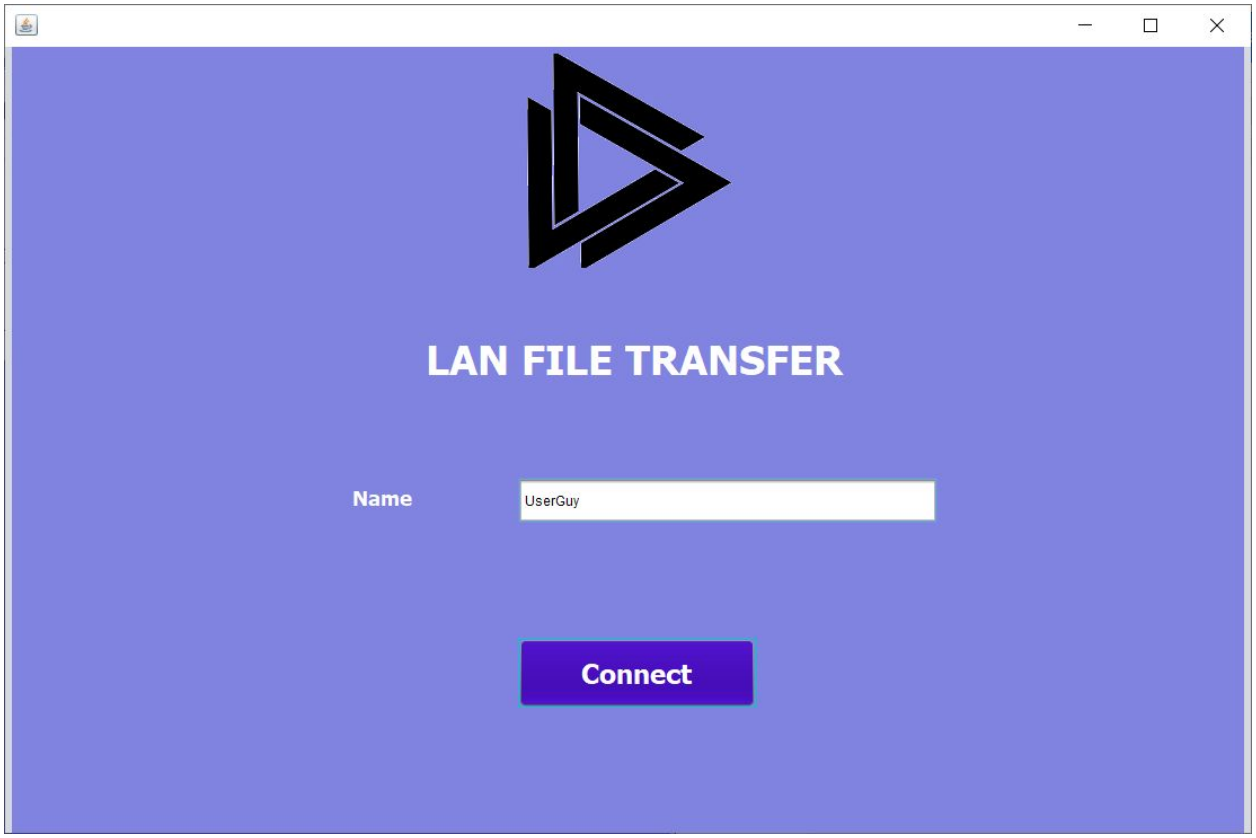
3. Home.java:

   Java Code for the Home Window

   When button clicked, update ports and IP address and open IPFileMessenger Window

4. Home.form:

   Java Code for GUI of Home Window



Chat Web Application

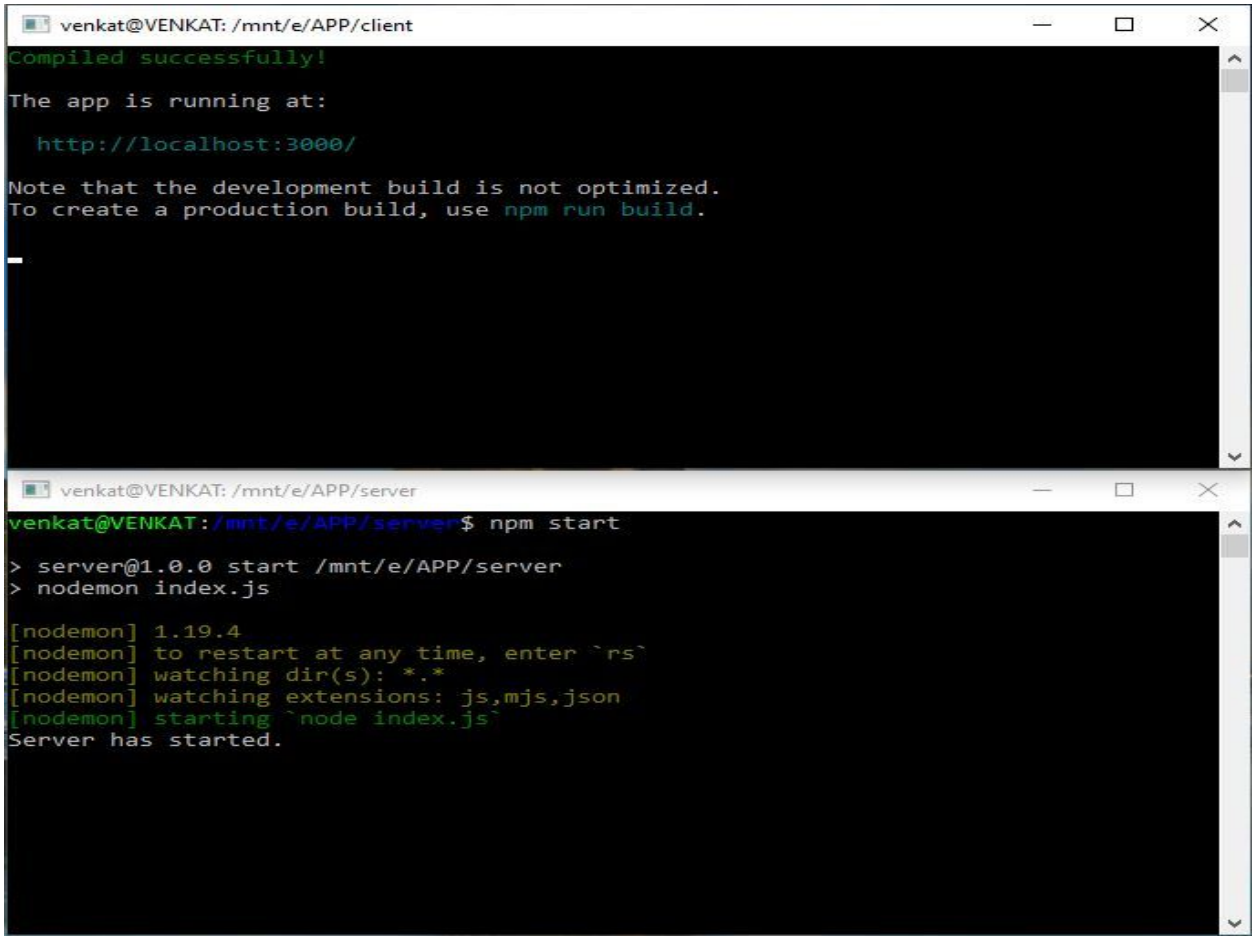
INTRODUCTION

A Desktop and Mobile Web application for chatting as a group.

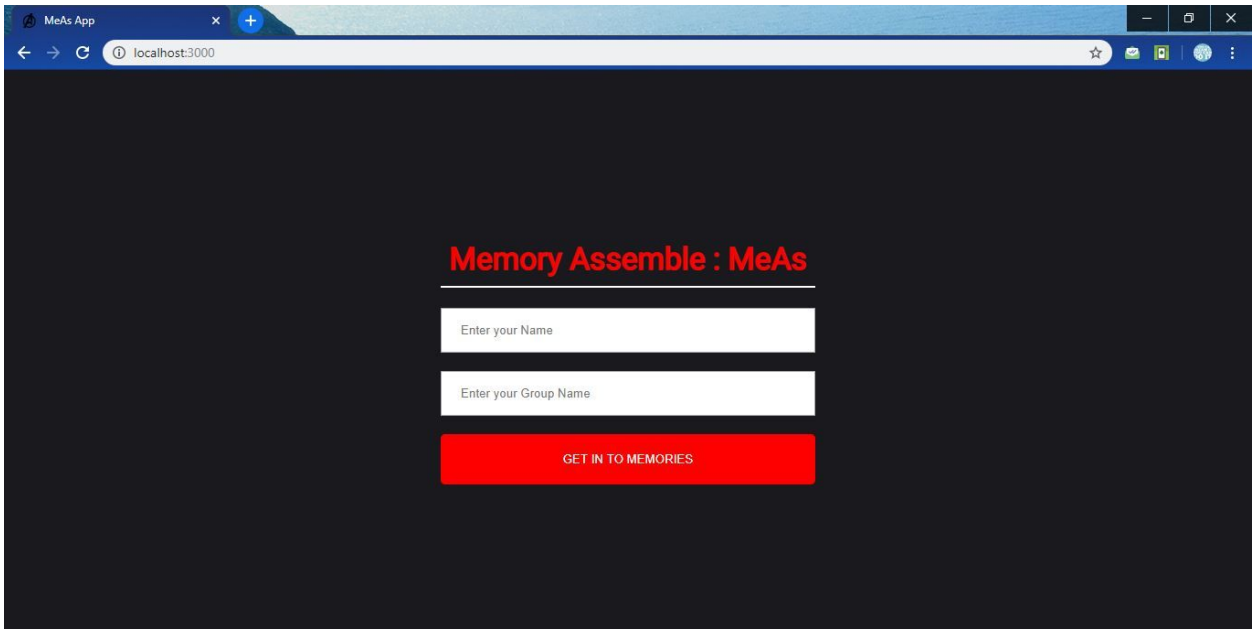
LANGUAGES & TOOLS USED:

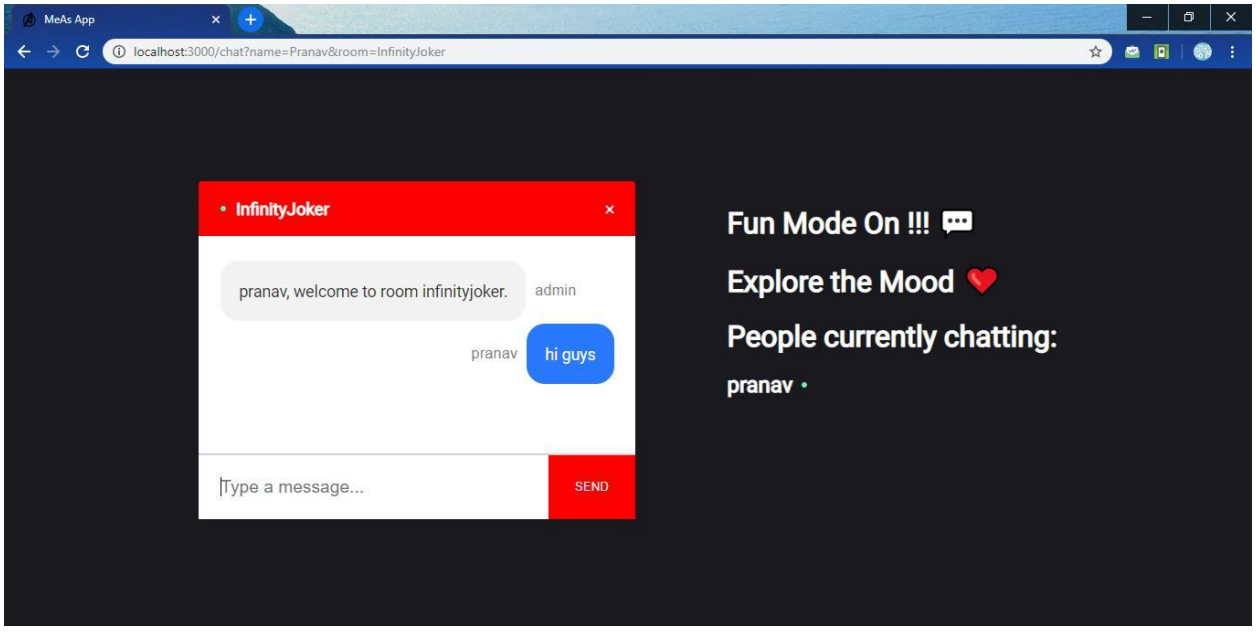
1. React JS (Client)
2. Node JS (Server)
3. Socket.io (Socket Programming)

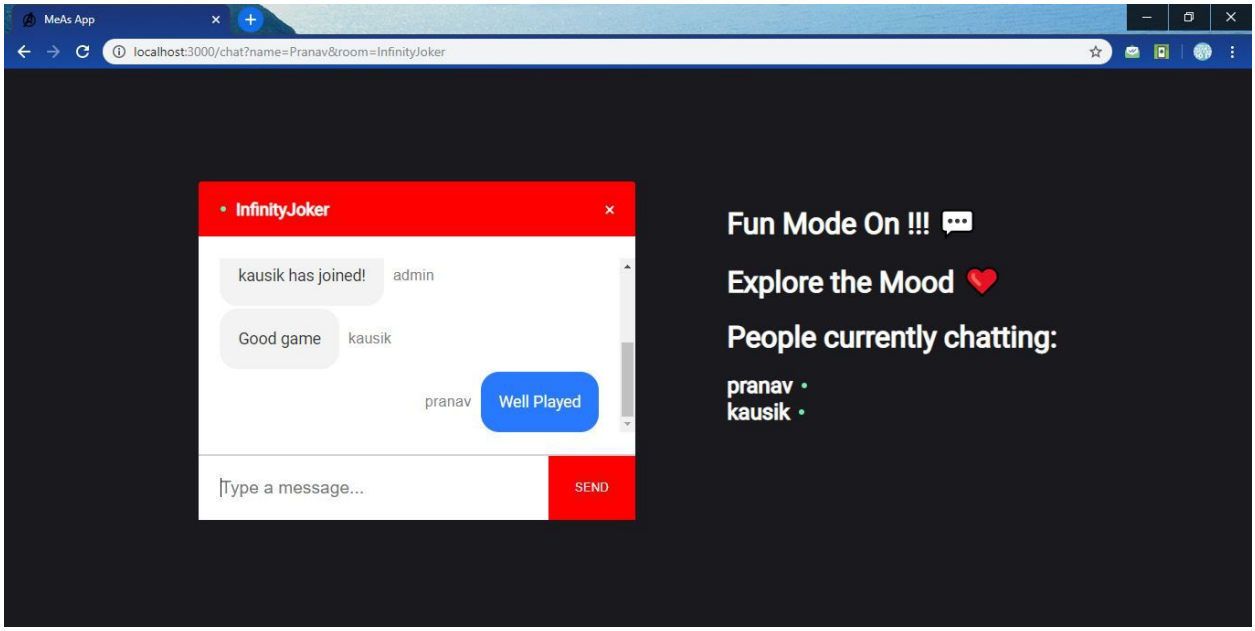
DESCRIPTION:



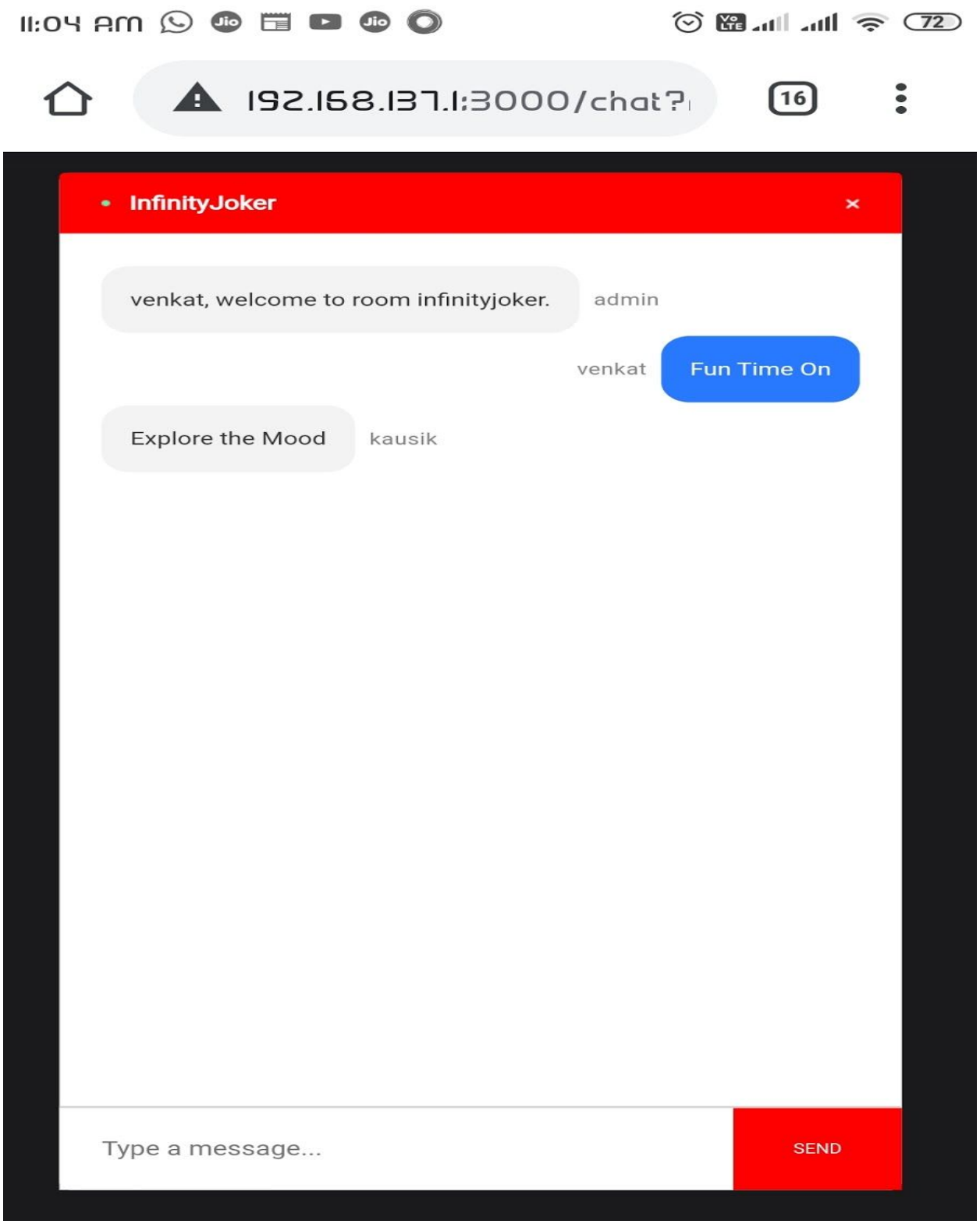
Desktop View:






MeAs App
localhost:3000/chat?name=Pranav&room=InfinityJoker
InfinityJoker
kausik has joined!
admin
Good game
kausik
pranav
Well Played
Type a message...
SEND
Fun Mode On !!!
Explore the Mood
People currently chatting:
pranav •
kausik •

Mobile View:


11:04 AM
192.168.137.1:3000/chat?
16
InfinityJoker
venkat, welcome to room infinityjoker.
admin
venkat
Fun Time On
Explore the Mood
kausik
Type a message...
SEND