Steps to handle the backend and locally setup the VV CHAT Web Application

Prerequisites: Need to create an account in 3 third party software tools namely MongoDB, Cloudinary and Pusher.

Step 1) Download the git repository

https://github.com/VishnuVardhanmusic/VV_CHAT

Step 2) Open the directory in any code editor (Visual Studio Code recommended)

Step 3) Run the below command in order to install all the libraries and dependencies used in this application.

```
>>npm i @emotion/react @emotion/styled @mui/icons-material bcryptjs
mongoose pusher pusher-js next-cloudinary react-hook-form react-hot-toast
date-fns next-auth
```

Step 4) Login into Cloudinary dashboard and in the Settings tab, add new Upload presets mentioning the mode as "Unsigned" so that during user profile picture upload and while sending pictures in the chat, there will be no middle interruption in the UI.

Step 5) Copy the name of Upload Presets and update it in the CldUploadButton tag parameters. This tag is present in 3 files namely

components/ChatDetails.jsx, app/(root)/profile/page.jsx and

app/(root)/chats/[chatId]/group-info/page.jsx

Step 6) Create an app in Pusher and visit App Keys tab to copy app_id, key,

secret and cluster   values.

Step 7) Visit lib/pusher.js file and update the cluster parameter. Create a .env

file and store the values of app_id, key and secret.

Step 8) In the same .env file, add path of MongoDB Drivers after creating a

new Database User. Visit Cloudinary dashboard and copy the newly created

cluster name and add that value as well.

Step 9) To implement Next-Auth authentication function, create a variable

named NEXTAUTH_SECRET and add a random string value. At the time of

deployment, you can assign the actual value from this URL https://generate-

secret.vercel.app/32

```
⚙ .env
1   MONGODB_URL=mongodb+srv://{database_user_name}:{database_user_password}@vvchat.wopu8.mongodb.net/?
    retryWrites=true&w=majority&appName=vvchat
2
3   NEXTAUTH_SECRET=7b84c4308159806df96cf430c0dad4d1
4
5   NEXT_PUBLIC_CLOUDINARY_CLOUD_NAME=dhdcjazfh
6
7   PUSHER_APP_ID=1858564
8   NEXT_PUBLIC_PUSHER_APP_KEY=abd2bfd0fc6ff255a7ef
9   PUSHER_SECRET=fb89ae75bbefc9dc014f
```

Step 10) Run the command `>>npm run dev` in the console and visit

http://localhost:3000 from any browser to view the fully functional VV CHAT

Web Application.