Communication Portal Project

Working Name: LTCSync

Assets needed:

Server for install and load handling:
Can we use the digital ocean account and set up a new server just for this project?

Website:
I will build the front-end marketing website. The working script will launch from the site or be a separate install.

Script (included) Overview of the script with working demo:
https://codecanyon.net/item/clover-realtime-messaging-audio-video-conferencing-web-app-nodejs-react-webrtc-socketio/25737452

Script enhancements:
- I will be charging organizations to access this product. So there needs to be a way for a company to sign up for a recurring monthly subscription with an option for annual.

  Stripe for payments (integration of API)
- I will also charge each company a monthly rate per active user account. So at the end of each month, The total active accounts for the month would be listed under the account with a total to bill. If there is a way to automate the billing, that would be helpful. If not, I can manually process the charge. If this can hook into a Stripe API to show status of payment. So I hit the button to charge, the API completes the charge and shows the result on the administration accounts page.

- Each customer / organization will need it's own isolated instance.

- I would also like to add some "super accounts" used by the system to cover support bots and eventually AI chat bots that users can talk to. They would be available to all users but would need to have user level access.

- As for user accounts, we need to break them down into levels. I don't have names for them yet, but they will be tiers with increasing abilities.
    - Tier 1: Users can only chat with the groups they are assigned and cannot create groups
    - Tier 2: Tier 1+ these users can create groups and belong to any group already created
    - Tier 3: Tier 1+ Tier 2 + these users administrate the system.

- Users will need the ability to set up their own accounts under the company through invite links sent by the Tier3 or Tier2 users. I would like to avoid email for this feature and rather set up using the user's phone number through text verification.

- All chats are private to the group or to the people. However, they are stored and accessible by the main customer admin.

- The entire site and all communication must be encrypted. There will be health care information passed back and forth. So high level encryption of the communication and hardening of the script is also necessary to prevent data breech or hacking.

- There would need to be the possibility to connect two companies and allow a common group to be created across the two or more customers. The chat history would belong to all customers participating in the group. If one of the groups leaves the system, the group remains intact until the last member closes the group.

- Need to ensure notifications of chats are synced through the browser and also notify in the PWA.

- In some instances, computers are shared by multiple users, so the accounts would need to auto sign out when closing the web app. The PWA on the user device can remain signed in. Perhaps a pin code to open the PWA would be an extra layer of security for lost or stolen phones? This would need to be enabled or disabled by the master account user for the customer.

Currently the script is a web app. Possibly also making an installable chrome app? I would like to see it wrapped into a PWA with an installable manifest for users on a phone. This would be better in the short run than a dedicated native app.

Eventually, I think a dedicated app that syncs with the web app would be very beneficial. With the new rulings against the app stores, we can process payments off-app to avoid paying commissions on sign-ups, etc.

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