**Specification for RC project**

**You will build**

**A mobile app for IOS and Android**

**You will embed a public channel as a “MESSAGE BOARD”  
In my SAAS, for all members to see and react.**

**About the SAAS**

**Each tenant in the SAAS is a hospital operating room.**

**Each tenant has many members who use the app.**

**Each SAAS site has its own users and Message Board.**

**Every user has sign-on credential to use the SAAS. So there is no additional need for additional sign on. Therefore, no need for SSO.**

**Each tenant is a subdomain for data security. *(This has not been configured in the SAAS)***

**AWS hosting**

**You will create a new EC2.**

**The app will use the existing database of the SAAS.**

**Create an AMI (Amazon Machine Image) for future installation of RC.**

**About the App**

**The UI and functionalities of each app is like any normal messaging app (whatsapp, Imessage, wechat, signal.) It is simpler. Therefore use any UI with custom color and rebranding logo.**

**The current project’s features and functionalities of the chat is for a MVP for launching the SAAS as early as possible. More features and functions will be added in the future.**

**Functionality include : area for text messaging, group chat; file and image sharing, call function, voice message; search contact unction; Time stamp message; User profile includes name, photo and role. No avatars are allowed.**

**End to end encryption.**

**Permission setting: Admin manages Message Board by deleting non-compliant postings. Users can hide their identity and**

**Customise with private logo and UI**

**The app has no registration. Members use their SAAS login credential.**

**Non-members cannot use the app.**

**Messages are sent to users in a tenant only. No sending across tenants (for now)**

**Message Board**

**This a a public group channel in RC**

**UI is same as mobile app**

**Labelled as MESSAGE BOARD.**

**The Message Board updates all users on daily activities in the operating room. It is not a discussion forum. It will be hard deleted every 48 hours for security reasons. This applies to the Message Board only**

**User registration**

***Users may be old doctors and nurses who do not know how to download.***

**Put a QR code for IOS and Android in the SAAS page which users will use ownload the app.**

**Users will use their SAAS credential to use the app.**

**The app is for members only.**

**Non-members cannot use it**

**Superadmin Dashboard to manage tenants and users**

**Backup**

**Browser and Ipad: Chrome, Firefox, Safari, Edge.**

***Use RC’s omnichallenel analytics* Omnichannel > Analytics.**