

Smart India Hackathon

Intra-Department Messaging app

Road Map

Features:

Priority:

Implementing Session

- Session is similar to a group it, is a chat between 2 or more people.
- Session can be Permanent or Temporary, permanent session are at most 2 i.e the department session(one with superiors and one with lower)
- A person on a higher authority can create a session and add the people lower him, however if a lower person wants to talk to a higher person then a request has to be sent.
- Superiors will always know the existence of all session taking place but would not be able to see the data.
- Temporary sessions have a fixed period of existence if not renewed it will expire.

Authorisation:

- Organizations can only be added from the backend by the Admin(Developer).
- Employee's will have to be confirmed by the Admin of the Organization
- Necessary post also need to be assigned to the employee

Classifications of the various posts available (Who works under who etc)

- Once the Authorisation is done we need to classify the employees into a tree like style.
- This is very important for privacy reasons and many other things depend on this(Session, Broadcast, Events)

Broadcast

- A Employee at a higher post should be available to broadcast a message to the people under him
- A Broadcast is similar to the news feed.
- Previous broadcasts are never deleted

Events

- Events are basically the live events that are going to happen or are currently happening.
- Employees can opt in or out of a event
- Events affect the status of the Employee (Currently in a meeting, Going to attend this event etc..)
- Discussions can even take place in a event

Extras:

Security

- IF we use a API like google firebase, security may be compromised

Backup of chats

- By Default we plan to make a app in such a way that it can be used on multiple devices. Therefore we need to ensure that the chats are saved in the cloud, will also ensure backup

Sharing images,pdf

- Provision must be made to share pdf and images using a API or something else

Status of the user

- This will be affected by the Events(Read about it above).

Pinning message by superior

- Important messages could be pinned by the higher officials so that they dont go unseen

Message Forwarding(with reference to the original creator)

- If a message is sent by a higher up it has a higher value so when such a message is forwarded there should be some indication on who that message was created by.

Language filter

- Language filter can be set by the ADMIN on the request of the organization

Session sharing

- Links to previously occured sessions can be shared in the current session

Questions:

Where will this app be used more(home or office)?

Will be used majorly in office espicially in the office

Is this specific only to the government or even for Private?

Are we allowed to use OpenSource API (eg: Google firebase)?

Should we make a app page for the admin or a webpage?