

1531 - Planning - THU09 AERO

Interviewee 1 - Akhil

Name *

Akhil Sharma

Email address *

akhilsharma4489@gmail.com

What features would you like to have in a team work based communication app? Eg. screen sharing, video calling etc. List five features *

Security and Privacy , Group Chat and video conferencing , Access to screen share to multiple people, Calendar/ Event Organizing Told, Taskboard/to-do list

Akhil is a part-time uni student who might need an app like Dreams for any of his classes that have group assignments. Because he leads a very structured lifestyle, he would like to have the capability of having to-dos within channels so that him and his group members can track the progress of their assignment. Due to the multifaceted nature of his tasks, he also wants the capability to label each item of the to do list.

Akhil's Use Case

- User registers into dreams, after entering email, password and name
- User creates a channel by clicking on add channel button and entering a channel name
- User joins a channel by clicking join channel
- Next to invite member and leave channel, there would be a another hyperlinked box with text "to-do lists"
- User is brought to a new page with all the current to-do lists (which should be empty)
- User can click a button in bottom right "labels", and will be met by a pop-up with a plus icon next to a placeholder box "new label"
- Once a user hits enter after input, the placeholder will disappear and the label will be saved. (user can exit labels tab by clicking <= icon)
- User is prompted by a dialogue "type of to-do?" with a list of all the labels as buttons, after clicking plus icon on main menu
- Dialogue closes when user chooses one
- User is prompted by a dialogue after clicking on a large plus icon: " name of todo list?"

- Dialogue disappears when given a text input and a new list appears with the given name
- the user is prompted by a dialogue "What do u have to-do?" with an input box and dialogue closes when user hits enter
- New list with the new item will be created with the label in a box next to the item
- Under the new list there will be a smaller plus icon which allows the user to add more items the list
- On the right of the list, there will be a larger plus icon which allows the user to add more lists
- user cannot enter more than 1000 characters in 1 item

Akhil's comments on this case

Can you please comment on this
Does this look like a valid solution to your
feature

AKHIL

It does cover all the points that I mentioned
I would say yes

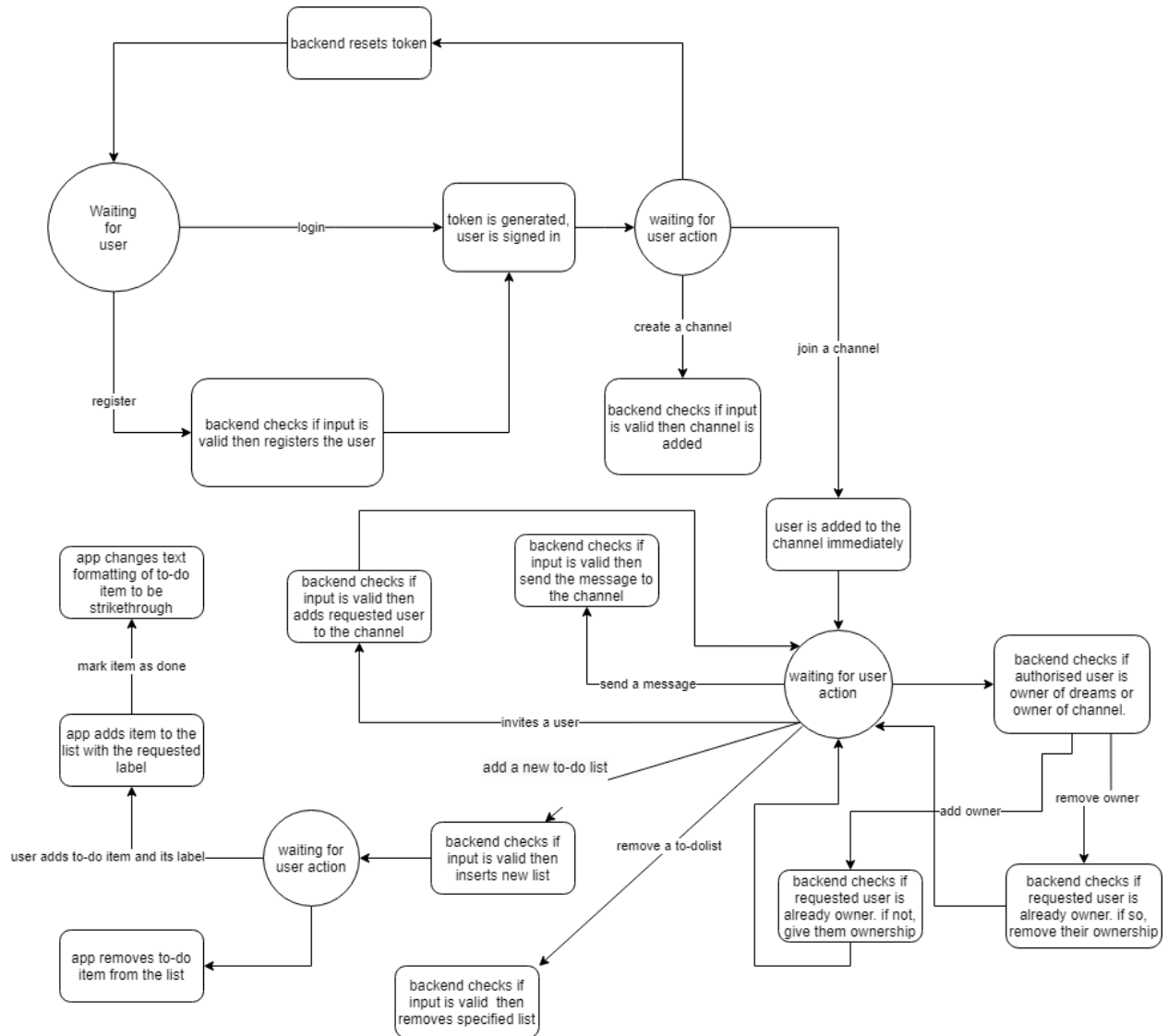
Interface Design for Akhil

| | | | |
|--|-------------------------|---|---|
| channel/todo_create_list/v1 Given a channel_id and a list_name string, add a new to-do list to the channel's to do list tab. Returns id of the todo list | Methods =POST | Parameters: (token, channel_id, list_name) Return type: {todo_list_id} | InputError when: <ul style="list-style-type: none"> • channel_id does not refer to a valid channel • List_name is over 1000 characters long . AccessError when any of: <ul style="list-style-type: none"> • the authorised user is not already a member of the channel |
|--|-------------------------|---|---|

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|---|------------------------------------|---|---|
| <p>channel/todo_remove_list/v1 Given a channel_id and a todo_list_id, remove the to-do list (and all nested items) from the channel's to-do list tab.</p> | <p>Methods =DELETE</p> | <p>Parameters: (token, channel_id, todo_list_id)</p> <p>Return type: {}</p> | <p>InputError when:</p> <ul style="list-style-type: none"> channel_id does not refer to a valid channel todo_list_id does not refer to a valid to do list <p>AccessError when any of:</p> <ul style="list-style-type: none"> the authorised user is not already a member of the channel |
| <p>channel/todo_additem_list/v1 Given a todo_list_id and an item string, add the new item to the to-do list. Returns id of item</p> | <p>Methods =POST</p> | <p>Parameters: (token, todo_list_id, item_str)</p> <p>Return type: {todo_item_id}</p> | <p>InputError when:</p> <ul style="list-style-type: none"> todo_list_id does not refer to a valid channel item_str is over 1000 characters long . <p>AccessError when:</p> <ul style="list-style-type: none"> the authorised user is not already a member of the channel that has the to-do list |

| | | | |
|--|------------------------------------|--|---|
| <p>channel/todo_removeitem_list/v1 Given a todo_list_id and a todo_item_id, remove the new item from the to-do list.</p> | <p>Methods =DELETE</p> | <p>Parameters: (token, todo_list_id, todo_item_id)</p> <p>Return type: { }</p> | <p>InputError when:</p> <ul style="list-style-type: none"> • todo_list_id does not refer to a valid to do list • todo_item_id does not refer to a valid item <p>AccessError when:</p> <ul style="list-style-type: none"> • the authorised user is not already a member of the channel that has the to-do list |
| <p>channel/todo_tickitem/v1 Given a todo_list_id and a todo_item_id, mark the item as done</p> | <p>Methods =POST</p> | <p>Parameters: (token, todo_list_id, todo_item_id)</p> <p>Return type: { }</p> | <p>InputError when:</p> <ul style="list-style-type: none"> • When todo_item_id is already ticked off • todo_item_id does not refer to a valid item • todo_list_id does not refer to a valid to do list <p>AccessError when:</p> <ul style="list-style-type: none"> • the authorised user is not already a member of the channel that has the to-do list |

Conceptual Modelling of to-do lists (partial state diagram)



Interviewee 2 - Max

Responses cannot be edited

Survey for Ideas for a Teamwork_based Communication app

* Required

Name *

Maximilien Balard

Email address *

max.balard@gmail.com

What features would you like to have in a team work based communication app? Eg. screen sharing, video calling etc. List five features *

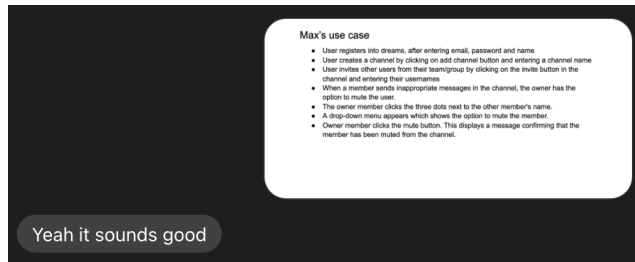
Screen sharing, video calling, chat box to send links, mute/unmute, polling questions and votes

Max is a full-time uni student who might need an app like Dreams for any of his classes that have group assignments. Sometimes, when working in a group with new people, there can be disagreements which can lead to people being rude and can send offensive/explicit messages on channels/dms. For situations like these, Max wants to have a feature where you can mute/unmute people in channels/dms when you are the owner of the channel.

Max's use case

- User registers into dreams, after entering email, password and name
- User creates a channel by clicking on add channel button and entering a channel name
- User invites other users from their team/group by clicking on the invite button in the channel and entering their usernames
- When a member sends inappropriate messages in the channel, the owner has the option to mute the user.
- The owner member clicks the three dots next to the other member's name.
- A drop-down menu appears which shows the option to mute the member.
- Owner member clicks the mute button. This displays a message confirming that the member has been muted from the channel.

Max's Response:



Interface Design for Max

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|---|----------------------|--|--|
| channel/mutemember/v1 Given a channel_id, token and auth_user_id, for an authorised user who is an owner member of the channel, mute a member of the channel such that the member cannot send any messages in the channel until they are unmuted. | METHODS = PUT | Parameters: (channel_id, token, auth_user_id) Return: {} | InputError: <ul style="list-style-type: none">• channel_id does not refer to a valid channel• Token is invalid• Auth_user_id is invalid AccessError: <ul style="list-style-type: none">• User with token is not an owner member of the channel• User with auth_user_id is not a member of the channel |
| channel/unmutemember/v1 Given a channel_id, token and auth_user_id, for an authorised user who is an owner member of the channel, if a member had been muted before, unmute them such that they can send messages in the channel. | METHODS = PUT | Parameters: (channel_id, token, auth_user_id) Return: {} | InputError: <ul style="list-style-type: none">• channel_id does not refer to a valid channel• Token is invalid• Auth_user_id is invalid AccessError: <ul style="list-style-type: none">• User with token is not an owner member of the channel• User with auth_user_id is not a member of the channel |

Interviewee 3 - Andrew

Name *

Andrew

Email address *

Zhaoandrew@hotmail.com

What features would you like to have in a team work based communication app? Eg. screen sharing, video calling etc. List five features *

Dark mode capability, video calling, tracking of progress, tracking roles, messaging

Andrew is a full-time university student, who may need a resource such as Dreams to do group tasks, assignments and general use cases for working with others. In order to relieve stress on his eyes while working in the later hours, he would like to have the ability to use the application in dark mode, changing light backgrounds and text within the Dreams interface to darker colours.

Andrews's Use Case

- User registers into dreams, after entering email, password and name
- User clicks on the settings button
- User is prompted by a list of options, including an option named 'Interface Dark-Mode'
- User clicks on the slider adjacent to the text
- Personal interface for the user transitions to dark mode, swapping light background and text colors to darker colours.

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|---|--------------------------|---|---|
| user/profile/darkmode/v1 Given a token for an authorised user of Dreams, toggle the interface colour mode for the user. | Methods = POST | Parameters: (token) Return: { | InputError: <ul style="list-style-type: none">• Token is invalid AccessError: <ul style="list-style-type: none">• N/A |
|---|--------------------------|---|---|

Andrew's Response:

Does this use case fit what you wanted

if theres anything that doesn't match or is missing

It looks good

I just need to make sure there is enough contrast between background and elements in the app so that I wont have to turn my brightness up

Interviewee 4 - Calem

Name *

Calem Nieuwenhof

Email address *

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What features would you like to have in a team work based communication app? Eg. screen sharing, video calling etc. List five features *

Video calling, mute, shortcuts to manoeuvre through the app, screen sharing, ability to set up meetings

Calem is a full-time university student at UNSW and he needs an app like Dreams for all the courses he's enrolled in, especially for group work. He has a lot of work in a very short amount of time and because of this group project in COMP1531, he's having a lot of meetings with teammates or tutors. He wants the capability to schedule meetings easily with anyone using the application.

Calem's Use Case

- User registers into dreams, after entering email, password and name
- User clicks on the top right 'Meetings' button and is brought to a new page with a list of all his scheduled meetings, which is currently empty.
- User can click on 'Schedule new meeting' to book a meeting with any user
- User is prompted by a dialogue "With who would you like to schedule a meeting?"
- User writes the name or ID of the desired user he wants to meet with.
- User is prompted by a dialogue after clicking enter: "Enter date and time for the meeting"
- User enters date and time and clicks enter
- New meeting in the list will be added
- Under the new item there will be a smaller icon which will label 'Pending' as the second user still didn't accept the appointment conditions
- On the right of the list, there will be a larger plus icon which allows the user to add more appointments to the list
- Under that button, there will be a smaller minus icon which allows the user to remove an appointment request from the list

Interface Design for Calem

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|--|-------------------------|--|--|
| user/createmeeting/v1 Given a token, auth_user_id for an authorised user who is an owner member and a specific time, send an appointment request with that user at the specified time. | METHODS = POST | Parameters: (token, auth_user_id, time) Return: {meeting_id} | InputError: <ul style="list-style-type: none"> • Token is invalid • Auth_user_id is invalid • Time is invalid AccessError: <ul style="list-style-type: none"> • User with token is the same user making the request |
| channel/removemeeting/v1 Given a token and a meeting_id for a created meeting by the user with that token, delete the meeting from the meetings list. | METHODS = DELETE | Parameters: (token, meeting_id) Return: {} | InputError: <ul style="list-style-type: none"> • meeting_id does not refer to a valid meeting • Token is invalid • Auth_user_id is invalid AccessError: <ul style="list-style-type: none"> • User with token is not the one that created the meeting |

Calem's response

