

5.6. Planning for the next problems to solve

Trello (task board):

<https://trello.com/invite/b/OtfXsuzn/c9ba9c85b6811c5e2a6f275cccb96e97/comp1531-crunchies>

Target User 1

Name: Laura Wen

Email: laurawen13@gmail.com

Elicitation:

Do you think the current channels and dms are sufficient enough for communication?

- Having a voice chat or video call feature would make communication as a group easier. Getting everyone to meet up together in person can be hard, so having an online meeting option like a voice chat would be a great and easy to use online alternative to meeting in person

Are there enough methods for sending messages? How satisfied are you with the current system of sending messages?

- Being able to send more than just messages would be really useful. For group projects sending files, videos, images allows more fluent communication when sending texts aren't enough to get the message across.

What communication feature of Treats do you like?

- The send later feature is very convenient. I can use it to send messages at a specific time in the future which act as a reminder for me as well as anyone else in the channel. For example, if I wanted to have a group meeting at 8pm, I could set a message to say "Group meeting now!!" and have it sent exactly at 8pm.

Are there any other features you would like to see Treats add in the future?

- A friends list that has all the users you are friends with their status (whether they are offline or online) would be nice. It makes communication easier because you know if they are online and available to talk or not.

User Stories:

- As a user, I want to be able to send files and images to other users in dms and channels, so that sharing information is easier.

Scenario: Send files and Images

Given: The user has navigated to either a dm or a channel

When: The user sends a message

And: Attached a file or image to their message

Then: The system sends the message with the attached file or image where other users can view it

Validation:

- Yes, I think being able to send files and images in both dms and channels would make communication and group work much easier than just text-based messages.
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Target User 2

Name: Harris Nguyen

Email: harrisn14@gmail.com

Elicitation:

Do you think the current channels and dms are sufficient enough for communication?

- A calling feature to have virtual, online meetings would be a useful feature to have. It'll make team-based communication a lot easier as talking and organising in a meeting is more efficient than trying to message, organise and work together through messages.

Are there enough methods for sending messages? How satisfied are you with the current system of sending messages?

- Being able to send more than just messages would be really useful. Communication through just words can be really difficult and explaining images or errors can be hard. So being able to send files and images is something that would be really useful for team-based communication.

What communication feature of Treats do you like?

- I like the standup feature of Treats. It allows me and my teammates to have a sort of session where after ending puts all the messages together for easy viewing. For example, if my team wants to discuss multiple different topics, doing a standup for each keeps the channel clean and organised.

Are there any other features you would like to see Treats add in the future?

- I think a way to separate or group different channels and dms would be a useful
- I think an option to only show specific messages would be helpful. This sort feature would be able to sort different message types or sort by time sent or only show messages from a specific user.

User Stories:

- As a user, I want to be able to have voice calls, so that immediate real time communication is easier.

Scenario: Joining a group voice call

Given: The user joins a channel

When: The user sees an ongoing voice call

And: User clicks to join voice call

Then: The system sends the user's data to the other user's voice conferencing system

Given: The user's internet connection is stable

When: The user joins the voice call

Then: The user can now talk in the voice call

- As a user, I want to be able to group the channels and dms based on different projects, so that it's easier to organise different work projects and increase work efficiency

Scenario: User incorrectly dms 'Project 1' group member about 'Project 2'.

Given: The user is in a dm with the target user

When: The user goes to the header labelled 'Project 2'

And: User clicks on dm with correct target user

Then: The user doesn't get confused between different projects

Validation:

- The channel grouping feature looks like it would be really useful when working on multiple different projects and a voice call feature would make online organisation and meetings a lot more efficient
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Target User 3

Name: Alyssa Chen

Email: alyssa.chen@gmail.com

Elicitation:

Do you think the current channels and dms are sufficient enough for communication?

- I think an additional feature to record people's availability over a period of time would be a useful feature. It would make organising meetings and deadlines easier and you can also see when other people are free for more spontaneous meetings or urgent work

Are there enough methods for sending messages? How satisfied are you with the current system of sending messages?

- A feature to allow sending emojis and gifs would be a nice addition. It would make communication feel more laid back and comfortable.

What communication feature of Treats do you like?

- I like the react feature of Treats, it allows me to quickly show acknowledgement that I have received a message. I am a lazy person and reacting saves me the time and bother of sending a message just to reply. For example, if my teammate sent a message saying can someone please check my code a react would be a quick way to signify that I saw that message and will go take a look.

Are there any other features you would like to see Treats add in the future?

- A feature to reply to certain messages would be useful. You could tag
- I would enjoy privacy settings that would only allow friends to add you to DM/CHANNELS. This would stop people being spammed and randomly added by others

User Stories:

- As a user, I want to be able to record my availability, so that it's easier to organise meetings and display when I am available

Scenario: User adds their availability to a shared calendar

Given: The user has a calendar shared with different users

When: The user navigates to the calendar

And: The user clicks on 'add availability'

Then: The system gets the user's input availability and posts it so other users can see it

Validation:

- The availability feature seems like it would be great! It looks intuitive to use and will save me from having to use other sites or programs to try coordinate meeting times with other people
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Use Cases:

- Step 1. The user navigates to the channel
 - Step 2. The user sends a message with a file attached
 - Step 3. System gets the message and then posts it
 - Step 4. Other users can view message with file attached
 - Step 5. The user navigates to channel group called '1531 project'
 - Step 6. The system returns all channels with the label '1531 project'
 - Step 7. The user clicks on desired channel within '1531 project' group
 - Step 8. The user clicks on the calendar icon
 - Step 9. The system displays calendar interface to user
 - Step 10. The user clicks on 'add availability' and inserts date and time when they are available
 - Step 11. The system get user's availability and posts it on the calendar
 - Step 12. Other users can navigate and view the user's availability on the calendar
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Interface Design:

Name & Description	HTTP method	Data Types	Exceptions
channel/group Given a list of channels, group all the channels under the specified header.	POST	Body Parameters: { channelId, headerName } Return type if no error: { }	400 Error when any of: <ul style="list-style-type: none">- If headerName is not between 1 and 50 characters inclusive- If any channelId in channelIdList does not refer to a valid channel 403 Error when: <ul style="list-style-type: none">- Any channelId in channelIdList is valid and the authorised user is not a channel member
message/sendfile Send a message with a file attached from the authorised user to the channel specified by channelId.	POST	Body Parameters: { channelId, file } Return type if no error: { messageId }	400 Error when any of: <ul style="list-style-type: none">- channelId does not refer to a valid channel- file doesn't refer to a valid file 403 Error when: <ul style="list-style-type: none">- channelId is valid and the authorised user is not a member of the channel

<p>message/sendimage</p> <p>Send a message with an image attached from the authorised user to the channel specified by channelId.</p>	POST	<p>Body Parameters: { channelId, image }</p> <p>Return type if no error: { messageId }</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none"> - channelId does not refer to a valid channel - file doesn't refer to a valid image <p>403 Error when:</p> <ul style="list-style-type: none"> - channelId is valid and the authorised user is not a member of the channel
<p>message/sendfiledm</p> <p>Send a message with a file attached from the authorised user to the dm specified by dmId.</p>	POST	<p>Body Parameters: { dmId, file }</p> <p>Return type if no error: { messageId }</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none"> - dmId does not refer to a valid dm - file doesn't refer to a valid file <p>403 Error when:</p> <ul style="list-style-type: none"> - dmId is valid and the authorised user is not a member of the dm
<p>message/sendimagedm</p> <p>Send a message with an image attached from the authorised user to the dm specified by dmId.</p>	POST	<p>Body Parameters: { dmId, image }</p> <p>Return type if no error: { messageId }</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none"> - dmId does not refer to a valid channel - file doesn't refer to a valid image <p>403 Error when:</p> <ul style="list-style-type: none"> - dmId is valid and the authorised user is not a member of the dm

State Diagram:

This state diagram represents a user creating a channel and then adding a user to the channel.

- The extra functionality that is implemented here is giving the invited user an option to accept or decline the invite to the channel
- The user can also cancel out of any enter details page before they confirm their selection
 - E.g. when making a channel, if they want to, they can cancel making it before they enter the details

