

Elicitation

Target users

- Educational institutions

Questions:

Christopher Ai

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1. Does UNSW memes provide an adequate platform for work communication?

- The current implementation is not enough for work communication as text is not engaging enough for people to pay attention. A camera feature should be added to make sure that others are paying attention.

2. How often do you attempt to send a message format that is unsupported by Memes? If it happens often, what message formats would you like to see supported?

- Yes. I often try to send links to websites. I think links to websites should be supported as a message format.

3. Are there adequate options in channels, dms and user profiles to customise them for your needs?

- Uploading images for a profile image should also allow you to upload an image from your computer in case an image I want to use as a profile picture is saved on my computer.

4. Does UNSW Memes respond quickly to your inputs?

UNSW memes responds quick enough to most inputs.

Grace Zhang

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1. Does UNSW memes provide an adequate platform for work communication?

- The current implementation only works on computer browsers. If a phone version was supported, work communication could be a lot easier so I can access my memes anywhere.

2. How often do you attempt to send a message format that is unsupported by Memes? If it happens often, what message formats would you like to see supported?

Not all the time, but I do think it would be great if we're allowed to send video messages.

3. Are there adequate options in channels, dms and user profiles to customise them for your needs?

There're adequate options for basic functionalities such as sending messages in dm/channels, or starting a standup, but the options for more advanced features such as starting voice calls/video calls are kind of limited. To be fair, it's kind of unrealistic to type every single time.

4. Does UNSW Memes respond quickly to your inputs?

Yea i agree.

Analysis and Specification - Use cases

User Story #1: As a UNSW Memes user, I want to be able to send links, so that I can share funny videos with my team and my friends.

Acceptance criteria:

- User can send links
- When links from other users are clicked on, they will open a new tab with the address in the link
- When a link is sent, it is formatted with the blue text and underline like links on other websites

User Story #2: As a UNSW Memes user, I want a mobile supported version, so that I can check if I have received work related communication anywhere and make voice calls and video calls as needed .

Acceptance criteria:

- Users can use UNSW Memes on mobile phones, installed as an app.
- Users can make voice calls or video calls as needed.
- The button for starting a video call has a camera symbol on it, video call starts once the user clicks the button.
- Another button for starting voice call has a microphone symbol on it, voice call starts once the user clicks the button
- An user can only make 300 mins of video call + voice call in total.
- Video call button and voice call button are placed next to each other.

Validation

Comments on User Story #1:

This use case adequately describes the problem I have. It's basically what I said!

However, it doesn't describe what happens when view these links on mobile devices.

On a mobile device, when I click a link it should open in my preferred browser.

Comments on User Story #2:

This use case effectively describes the problem I have.

Interface Design

<p>/channel/messages/v4</p> <p>The messages object in channel messages should have a key called links which refers to an array of strings that contain any links that have been sent with the message</p>	<p>Query parameters: (channelId, start)</p> <p>Return type if no error: { messages, start, end } Where start and end are numbers and messages is an array of objects containing keys: links, messageId, uid, message, timeSent, reacts, isPinned</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none">• channelId does not refer to a valid channel• start is greater than the total number of messages in the channel <p>403 Error when any of:</p> <ul style="list-style-type: none">• channelId is valid and the authorised user is not a member of the channel
<p>/dm/messages/v3</p> <p>The messages object in dm messages should have a key called links which refers to an array of strings that contain any links that have been sent with the message</p>	<p>Query parameters: (dmId, start)</p> <p>Return type if no error: { messages, start, end } Where start and end are numbers and messages is an array of objects containing keys: links, messageId, uid, message, timeSent, reacts, isPinned</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none">• dmId does not refer to a valid DM• start is greater than the total number of messages in the channel <p>403 Error when any of:</p> <ul style="list-style-type: none">• dmId is valid and the authorised user

		is not a member of the DM
/channel/voicecall/v4	<p>Query parameters: (channelId, start, end, success)</p> <p>Return type if no error: { start, end }</p> <p>Where start and end are point in time when the voice call is started and when it finishes</p> <p>Success is a boolean indicating if voicecall is successfully started</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none"> • channelId does not refer to a valid channel • start is greater than end <p>403 Error when any of:</p> <ul style="list-style-type: none"> • channelId is valid and the authorised user is not a member of the channel
/dm/voicecall/v4	<p>Query parameters: (dmId, start, end, success)</p> <p>Return type if no error: { start, end }</p> <p>Where start and end are point in time when the voice call is started and when it finishes</p> <p>Success is a boolean indicating if voicecall is successfully started</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none"> • dmId does not refer to a valid DM • start is greater than end <p>403 Error when any of:</p> <ul style="list-style-type: none"> • dmId is valid and the authorised user is not a member of the DM
/channel/videocall/v5	<p>Query parameters: (channelId, start, end, success)</p> <p>Return type if no error: { start, end }</p> <p>Where start and end are point in time when the video call is started and when it finishes</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none"> • channelId does not refer to a valid channel • start is greater than end <p>403 Error when any of:</p>

	<p>Success is a boolean indicating if voicecall is successfully started</p>	<ul style="list-style-type: none"> • channelId is valid and the authorised user is not a member of the channel
/dm/videocall/v5	<p>Query parameters: (dmId, start, end, success)</p> <p>Return type if no error: { start, end }</p> <p>Where start and end are point in time when the voice call is started and when it finishes</p> <p>Success is a boolean indicating if videocall is successfully started</p>	<p>400 Error when any of:</p> <ul style="list-style-type: none"> • dmId does not refer to a valid DM • start is greater than end <p>403 Error when any of:</p> <ul style="list-style-type: none"> • dmId is valid and the authorised user is not a member of the DM

Conceptual Modelling - State Diagrams

