

User 1:

Kevin Zhang, pookpok1@gmail.com, uses Microsoft Teams for group assignments

User 2:

Michelle Zhang, clashofc855@gmail.com, uses Facebook Messenger for group assignments

Elicitation:

Have you found it difficult to work with a group when using communication software? If so, what specific things did you find difficult?

User 1:

Sometimes people don't respond to my messages when I need something done

Proposed solution:

Be able to send a task to a specified user, which can be accepted, rejected or negotiated.

User 2:

I can't send big files to my group members over Facebook Messenger.

Proposed solution:

Have an external file sharing website that can hold large files for a shorter period of time.

Analysis & Specification

User 1 user story:

As a student, I want to be able to have my team-mates confirm when they get assigned a task so that our group assignment can be completed on time.

User acceptance criteria:

- An option to send a 'task' along with a due date is placed under the message bar
- Once selected, whatever is sent (1-1000 character body) has three buttons underneath labelled 'Accept', 'Reject' and 'Reply'
 - 'Reply' has a message box with the option of typing something back to the original sender
- When opened, the 'task' is labelled 'seen' and is time-stamped
- A notification specific to when being sent a task is sent to the receiver
- A notification specific to when being replied to a task is sent to the owner if a reply is sent
- A notification specific to when the task is accepted or rejected is sent back to the owner.

Use case:

1. Message box asks for a new message.
2. User 1 selects 'Send task'.
3. Message box switches to 'Send task mode' and asks for a task and due date.
4. User 1 inputs task and due date.
5. 'Task' is sent to User 2.
6. User 2 receives a notification of receiving a new task.
7. User 1 receives confirmation of the task being received.
8. User 2 opens the new task.

9. User 1 receives confirmation of the task being read.
10. User 2 pressed the 'Accept' button under the new task.
11. User 1 receives confirmation of the task being accepted.

User 2 user story:

As a student, I want to be able to send uncut videos so that my friends can edit them.

User acceptance criteria:

- An option to send a 'temporary video' is placed under the message bar
- Once selected, you are sent to an external website where you can select up to 5GB worth of files to upload.
 - These files will be available only for 1 hour after upload is completed to external website
- The receiver is sent a download link to download the files.

Validation

User 1:

They can probably still ignore the task but I guess it'll be harder to. It probably solves the problem 75%.

User 2:

I'm not sure if my friends' internet can handle downloading 5GB worth of files but if I can upload my videos it'll definitely solve the problem 100%.

Interface Design

User 1:

Name & Description	HTTP Method	Data Types	Exceptions
message/sendtask/v1	POST	Parameters: {token, message, due_date} Return Type: {}	InputError when any of: <ul style="list-style-type: none"> - Message is less than 1 or over 1000 characters - Due_date not inputted - Due_date is in the past
message/sendtask/response/v1	POST	Parameters: {token, message, response}	InputError when any of: <ul style="list-style-type: none"> - Message is

		Return Type: {}	less than 1 or over 1000 characters - Response is less than 1 and more than 3.
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User 2:

Name & Description	HTTP Method	Data Types	Exceptions
message/sendfile/v1	POST	Parameters: {token} Return Type: {URL_of_website}	
message/downloadfile/v1	POST	Parameters: {token, URL_of_download} Return Type: {}	AccessError when: - Your token does not have access to the files in URL_of_download

Conceptual Modelling

