

Dreams User Report

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- General Information

This report is aiming to allocate current issues and develop further functionalities for UNSW Dreams app. So far the program achieves basic features for users to register, login, create and manage channel, send and modify message in channel and modify personal profile. After our team finish coding to achieve these features, we host two interviews to two random persons and collected some ideas from them about how we are going to further develop our project.

- Requirements(Elicitation)

We create a series of questions related to the potential issue that users might encountered with when they accessing Dreams teamwork communication tool. The diagram refers to their answers to each of the question

Interviewee 1:

Name: Johnson Ren

Email: s3639229@student.rmit.edu.au

Interviewee 2:

Name: Michael Ma

Email: 13319216399@163.com

Hint: questions related to Dreams are colored red

Questions	Interviewee1	Interviewee2
1. Have you ever used Dream like app before to communicate with your team member when you doing the team work	Yes, often use Microsoft Teams and Zoom.	Use wechat and snapchat to communicate with team member. Never use Dreams like app.
2. Have you used to in the position where you have to use the same app to keep contact with multiple groups?	Yes. Use to run design interview on Teams. Once a time interviewed three different groups of people.	Yes. Is the member multiple group chats on wechat.
3. Do you think the app you use is user friendly? Are you able to fulfill your achievement by using these apps? Rate the overall score of these apps from 1 to 10.	8 out of 10. Team is sort of easy to use. All achievements of holding a group's communication could be easily satisfied.	6 out of 10. All communication features are easily achieved. But have problem with sharing files.
4. Based on the basic walk through of the Dreams so far. Which functionality do you want us to add into our system?	Better for the system to be able to join multiple channels together.	Better for the system to be able to upload and download files.

5. Why do you want to add this(those) function(s)?	Provides flexibility for users to handle channels.	When we are doing the project by team. Its easy for users could communicate and share works with each other.
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Conclusion:

Both interviewees have the experience of using Dream like system. They provided some useful ideas for our team to add them into Dreams in the future iteration:

1. Able to upload files.
2. Able to download files .
3. Able to combine channel.

● Use cases

1. Upload files

User story: As a student. I would like to upload files to channel that all my channel members would be able to access it.

User Acceptance Criteria:

1. Scenario: want to upload file to the channel.
2. Given: The upload file button is on right side of “submit message” button.
3. When: upload starts when user click upload button.
4. And: User need to pull the file which need to be upload into a window inside Dreams system.
5. Then: upload starts if student provides a valid file.
6. And: Dreams will show the name and size of the file.
7. Then: click confirm button on the window to confirm the details of the upload.
8. And: all members in this channel will be able to access it through the chat. But they will not be able to edit it.

Use case: upload the file into the channel the users has enrolled in.

Goal in Context: User need upload the file to the channel where has already become a member of.

Scope: user’s account , channel.

Level: Primary task

Preconditions: the user is a member of the channel and would like to upload a file to the group.

Success End Condition: users successfully uploads the file into the channel.

Fail End Condition: user not successfully uploads the file into the channel.

Primary Actor: UNSW Dreams user

Trigger: user clicks “upload file” button.

Validation:

Q: Based on the previous interview. We created the user case and acceptance criteria related to this specific feature. Can you provide us some feedback of the content and functionality?

A: It is designed well. Further I would like to be able to see how long will the system store the file. Therefore I can check if the previous uploaded file is expired or not.

UAC: after validation

1. Scenario: want to upload file to the channel
2. Given: The upload file button is on right side of "submit message" button.
3. When: upload starts when user click upload button.
4. And: User need to pull the file which need to be upload into a window inside Dreams system.
5. Then: upload starts if student provides a valid file.
6. And: Dreams will show the name, size and the time system will hold the file.
7. Then: click confirm button on the window to confirm the details of the upload.
8. And: all members in this channel will be able to access it through the chat. But they will not be able to edit it.

2. Download file

User story: As a student, I want the system be able to let me download any uploaded files in my channel.

User Acceptance Criteria:

1. Scenario: want to download file in the channel.
2. Given: the download file button will be on the right side of uploaded file.
3. When: download file starts when user click "download" button.
4. And: system will create a window and show the expire date of this file.
5. When: if the file has expired, the system will tell user that this file is not downloadable.
6. And: lead user back to the channel
7. When: if file is not expired. The system will generate a window for user to select the path there the user want to download to.
8. Then: download starts by click on download button again

Use case: download file into user's computer

Goal in Context: user need to access download feature inside his/her own channel

Scope: user's account, channel

Level: primary task

Preconditions: the user must be the member of this channel and the file is not expired.

Success End Condition: the user downloads the file in the channel

Fail End Condition: the user can not download the file in the channel

Primary Actor: UNSW Dreams user

Trigger: user clicks on "download" button

Validation:

Q: Based on the previous interview. We created the user case and acceptance criteria related to this specific feature. Can you provide us some feedback of the content and functionality?

A: Good.

3. Combine channels

User story: As a student, I want to combine multiple numbers of my channels into one.

User Acceptance Criteria:

1. Scenario: want to joint multiple channels into one.
2. Given: the join button is at the top side of the channel page.
3. When: user clicks on "joint" button.
4. And: the system checks if the user is the owner of multiple channels
5. Then: If the user do not satisfy the condition. Lead the user back to the channel
6. Then: if the user owns multiple channels. System creates a windows for the user to select which channels he/she want to joint together.
7. And: the channel user currently is on will be the target channel. Rest of channels selected will be source channel.
8. Then: user click on "joint" again to confirm combine of channels
9. And: all members of channels will be add into the channel the user currently is on. All the messages in previous channel will be deleted. After this, the source channel will be deleted as well. The new channel will follow target channel's information.

Use case: combine multiple channels into one.

Goal in Context: user would like to make separate channels into one.

Scope: user's account, target channel, multiple source channels

Level: Primary Task

Preconditions: the users is the owner of all channels he/she want to joint together.

Success End Condition: the user joints all channels together.

Failed End Condition: the user do not joints all channels together.

Primary Actor: UNSW Dreams user

Trigger: click on "joint" button

Validation:

Q: Based on the previous interview. We created the user case and acceptance criteria related to this specific feature. Can you provide us some feedback of the content and functionality?

A: I think better when user clicks on the "joint " channel. The system would generate a warning to clarify all the rules for this feature.

UAC: after validation

10. Scenario: want to joint multiple channels into one.
11. Given: the join button is at the top side of the channel page.
12. When: user clicks on "joint" button.
13. And: system generates the warning window which shows all the rules for combining multiple channels together.
14. And: the system checks if the user is the owner of multiple channels

15. Then: If the user do not satisfy the condition. Lead the user back to the channel

16. Then: if the user owns multiple channels. System creates a windows for the user to select which channels he/she want to joint together.

17. And: the channel user currently is on will be the target channel. Rest of channels selected will be source channel.

18. Then: user click on “joint” again to confirm combine of channels

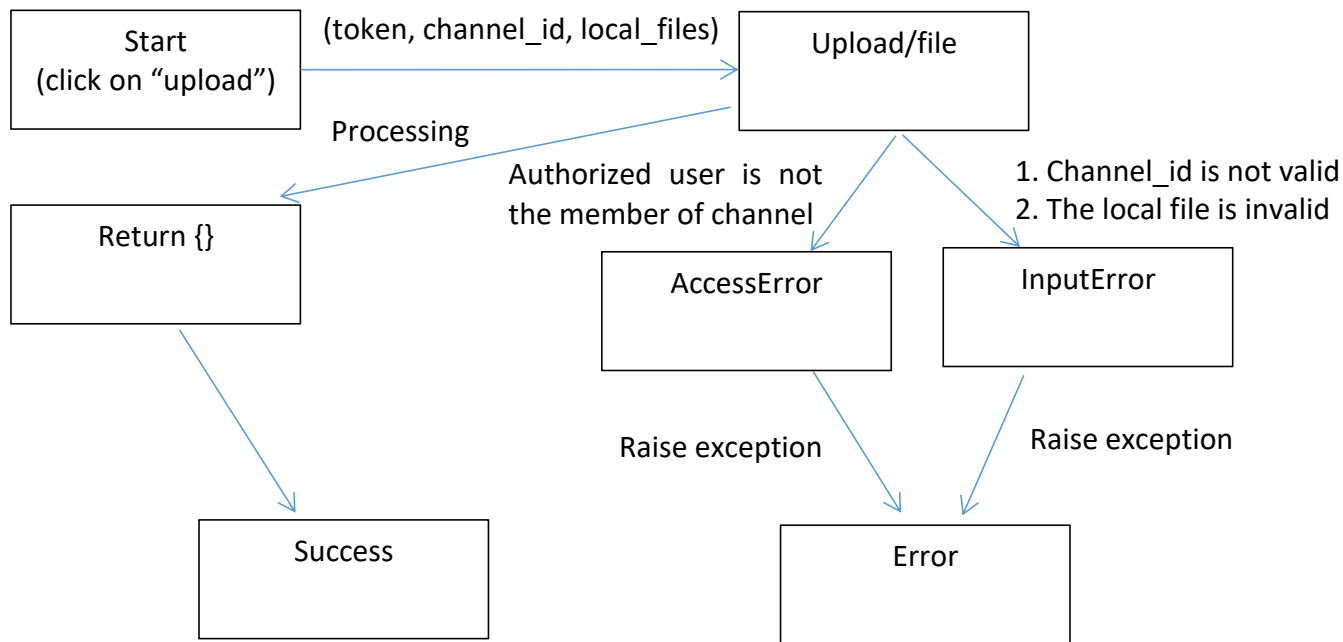
19. And: all members of channels will be add into the channel the user currently is on. All the messages in previous channel will be deleted. After this, the source channel will be deleted as well. The new channel will follow target channel’s information.

● Interface Design

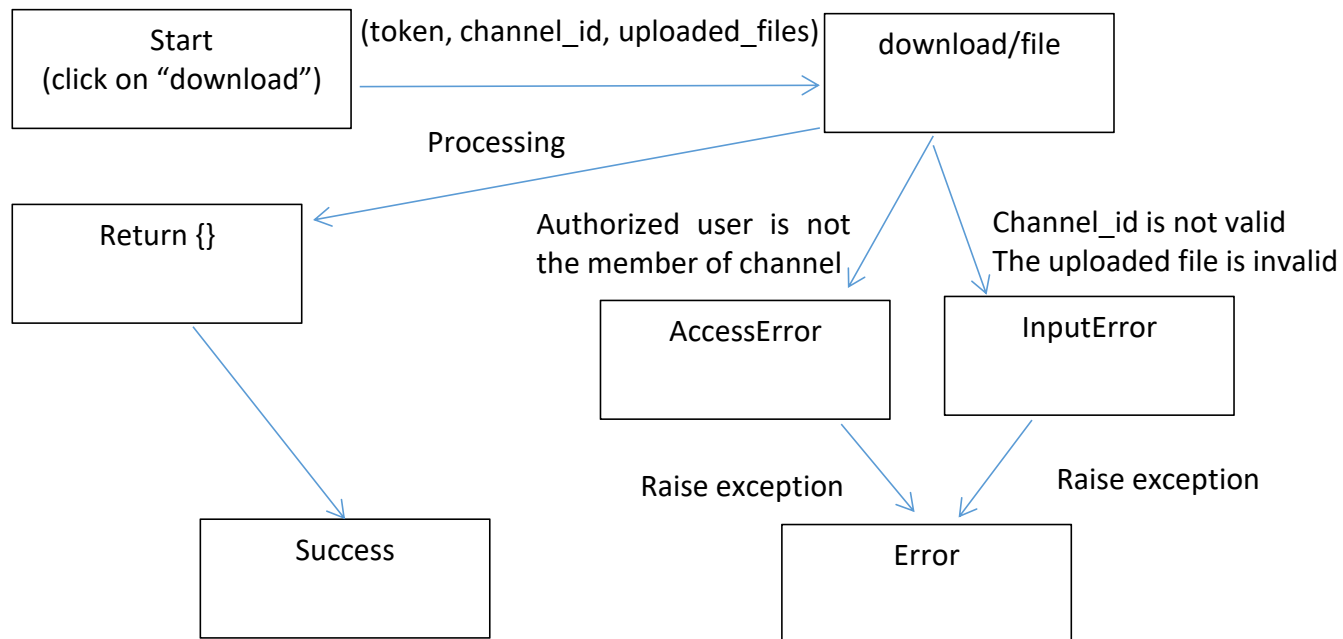
Name	HTTP Method	Parameters	Return types	Exceptions	Description
Upload/file	POST	(token, channel_id, local_files)	{}	InputError: 1. Channel_id is not valid 2. The local file is invalid AccessError: 1. Authorized user is not the member of channel	Given a file and upload it in to channel as the message
Download/file	GET	(token, channel_id, Uploaded_file)	{}	InputError: 1. Channel_id is not valid 2. The file expired AccessError: 1. Authorized user is not the member of channel	From message download file into user’s computer
Channel/joint	GET	(token, target_channel_id, channelids)	{channel_id}	InputError: 1. Any channel_id is not valid AccessError: 1. Authorized user is not the owner of any channel	Channelids is the list of channel_id belongs to the source branch, joint information from source

					channel into target channel
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● Modelling
Upload/file



Download/file



Channel/Joint:

