

Requirements - Iteration 3 - F09A_Beagle:

Devansh:

Crystal:

Jiayang:

Client wants to possibly fix any team_driven communication tools that are currently unsolved by streams.

Person 1:

Elicitation:

Name 1: Jonathan D'Cunha

Email Address: jonathan.dcunha1804@gmail.com

Engineer: What do you hope to gain from using UNSW streams?

Client/User: I hope to be able to engage with my friends and be able to access another platform which I can further use to communicate with them.

Engineer: Do you see any downside with using UNSW streams?

Client/User: UNSW streams could be more interconnected amongst users doing similar courses etc or with similar work habits and level of knowledge. I feel when using streams, that it doesn't feel that interconnected and could be better with instigating events and public groups with users of similar interests.

Engineer: If a solution to this downside was created, what characteristics do you feel are essential?

Client/User: Streams will need a way to create a group forum platform which adds members according to the course unit they are doing. From this, I hope events/meetings can be pinned at the top so that I am able to interact with others from my course without having to search online, i.e for convenience.

Analysis:

User Story 1:

As a UNSW streams user, I want to be able to interact with students in my course unit so that I can relate to their experience and gain help if needed.

Acceptance Criteria:

- Streams will have different course unit groups and overall course groups which are asked upon registration
- Streams will have under the user profile, an input line to take in a change to the course unit or overall course.

User Story 2:

As a UNSW streams user, I want to be able to access course events and course unit helper sessions on streams so that I am not spending time searching ways for help, and events.

Acceptance Criteria:

- Streams will have within the course unit/course groups a message pinned of events upcoming
- Streams will have within the course unit/course groups a message pinned of helper sessions upcoming which will become updated with zoom links etc upon the time.

Use Case:

Use Case: Join a forum group

Primary Task precondition: User has a UNSW streams account and is logged in

Success end condition: The user is able to join a forum group and see all posts

Failed end condition: System was unable to join user to forum group or didn't show all posts created when joined.

Primary Actor: User of streams

User Trigger: User selects option in profile to change course unit or course overall

Success Scenario 1:

1. User selects option in profile to change course unit or course overall
2. User inputs new course/course unit forum group they want to join
3. UNSW stream updates this change, makes them leave the previous course/course unit they were in and joins them to the new course/course unit.
4. UNSW streams displays 'completed'
5. Users can now access their new forum group and its posts.

Validation:

Engineer: In terms of the use case provided, to what extent do you think this case adequately describes the problem you want to address?

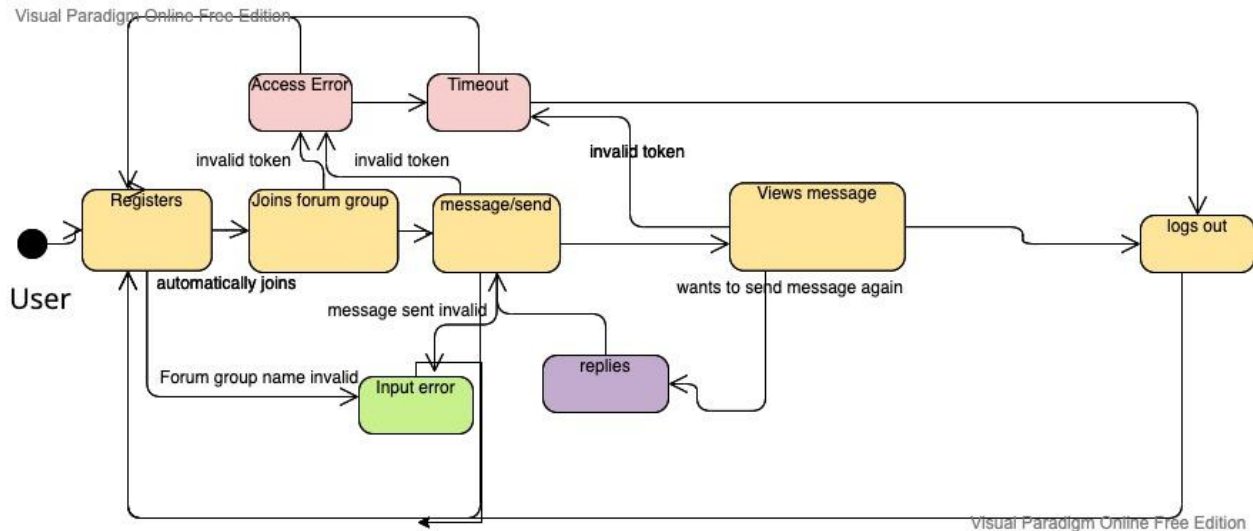
Client: I feel as though it describes it to a great extent, as it solves my issue of feeling less connected and wanting improved convenience for access help and events. I do not feel as though anything more needs to be added, as being able to join the forum group allows me to communicate with people completing the same work as me, and further allows me to meet up with others and ask for help.

Solution - HTTP endpoint:

Function name	HTTP Method	Data Types	Exceptions
dm/forum/join/v1 or forum/join/v1 Take in a user_id, and forum_name, and joins the user to that forum conversation.	POST	Parameters: {token, forum_name} Return Type:	InputError when any of: <ul style="list-style-type: none"> • Forum_name is invalid AccessError when:

		{ }	<ul style="list-style-type: none"> Token is invalid
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State Diagram:



Person 2:

Elicitation:

Name 1: Birendra Bhimsaria

Email Address: birendrabhimsaria369@gmail.com

Engineer: What do you strive to achieve from using UNSW streams?

Client/User: I hope to be able to add and share files such as Microsoft Word, powerpoint, PDF files, etc with the members of my channel so that they can access and edit the files.

Engineer: Do you see any disadvantages of adopting UNSW streams?

Client/User: UNSW streams does not allow its users to share or upload files as it is an extremely important tool of communication. It also does not have a tool that will allow the files to be accessed or allow the authorised users to edit it.

Engineer: What features do you believe are crucial if a solution to this problem is developed?

Client/User: Streams will need a way to collect all the documents in one section and allow the authorised members to edit or view it. It should also allow the user to edit the files in the Streams channel directly instead of opening the file into a new program.

Analysis:

User Story 1:

As a UNSW streams user, I want to be able to add files such as microsoft word, microsoft powerpoint, Adobe pdf etc in the channel, so that I can share it with the members and allow the authorised member to either edit it or just view it.

Acceptance Criteria:

- Streams will have a button that will allow users to upload files from their computer.
- Clients can choose the type of file they want to upload.

User Story 2:

As a UNSW streams user, I want to be able to find all the files that have been uploaded in the channel since it was created so that I can quickly access it instead of finding it from the posts chat.

Acceptance Criteria:

- Streams will have a new section which will consist of files of a particular channel.
- Streams will have a search tab that will take in the file name as an input and return the file.

Use Case:

Use Case: Add files in the channel.

Primary Task precondition: User has a UNSW streams account and is logged in

Success end condition: The user is able to add files to the channel.

Failed end condition: System was unable to files to the channel or did not allow the user to select a file.

Primary Actor: User of streams

User Trigger: User selects an option to add files in the chatbox of the channel.

Success Scenario 1:

1. User selects an option to add files in the chatbox of the channel.
2. User selects the file they want to upload.
3. UNSW stream reads the file type and adds it to the channel.
4. UNSW stream adds the file in the all files section.
5. UNSW streams displays 'completed'
6. Users can now access and edit the files uploaded.

Validation:

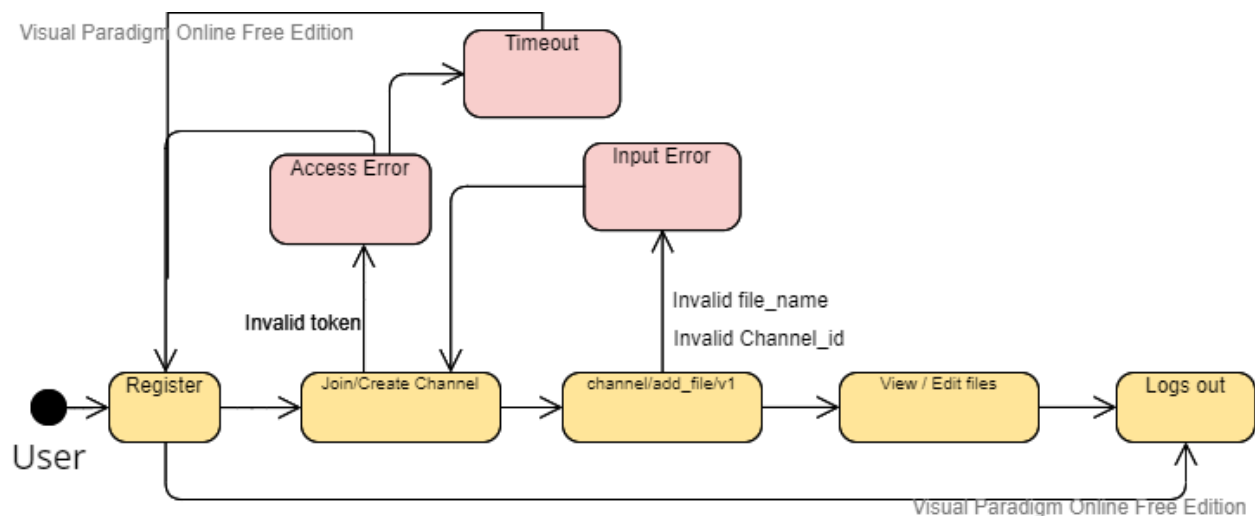
Engineer: To what degree do you believe the presented use case accurately illustrates the problem you wish to address?

Client: It appears to adequately define it, and it addresses my problem of being unable to post and share files with my channel's members. I don't think anything else needs to be said because being able to add file allows me to communicate with others who are working on the same project as me, as well as allow me to access the files whenever i need it.

Solution : HTTP endpoint:

Function name	HTTP Method	Data Types	Exceptions
channel/add_file/v1 Take in a user_id, and file_path, and add the files to the channel	POST	Parameters: { token, channel_id, file_path } Return Type: {}	InputError when any of: <ul style="list-style-type: none"> channel_id does not refer to a valid channel File_path does not refer to a valid file name AccessError when: <ul style="list-style-type: none"> Token is invalid

State Diagram:



Person 3:

Elicitation:

Name 1: YaoJian

Email Address: yaojian@gmail.com

Engineer: What do you want to do with UNSW stream?

Client/User: I am a student in unsw, I want to make a good communication with my classmates and teachers, and sometimes I need to ask my tutors for help, so I hope I can make a voice call with my tutor in UNSW stream to make it easy for me to solve my problems.

Engineer: Do you think there are any improvements to be made to UNSW stream?

Client/User: I think Stream should add a memo for each register which can record every person's work and send regular messages at a specific time to remind them.

Engineer: What advice would you like to give about the UNSW stream?

Client/User: I think sometimes there are a lot of messages and files in the stream and it is difficult for me to find the information that I am looking for exactly, so I want information to be displayed automatically after I enter the keyword in UNSW stream.

Analysis:

User Story 1:

As a UNSW stream user, I hope that I can have an easier way to communicate with my tutors and classmates, for example, I want to send a voice message to my classmates and tutor so that my convenience is increased.

Acceptance Criteria:

- Stream has a specific interface for users to send voice message
- Users can control the time of the voice message

User Story 2:

As a UNSW stream user, I want to be able to automatically send the message to remind me what I should do since I have a lot of things to do everyday, and forget the work which I need to do and cannot manage my time well.

Acceptance Criteria:

- Stream has a search engine for messages to be found

Use Case: find a particular message and file

Primary Task precondition: the person login in the stream and input the keyword

Success end condition: find the information

Failed end condition: can not find the information

Primary Actor: users of stream

User Trigger: write the keywords they want

Success Scenario 1:

1. Users select a particular interface which and input keywords
2. Users write some keywords they want
3. The interface will display all messages that contains the keywords
4. Now users can easily find the messages which they want.

Validation:

Engineer: In terms of the use case provided, to what extent do you think this case adequately describes the problem you want to address?

Client: I think this function has solved my problem to a great extent. I often get a headache because of too much information. With this function, I can easily find the information I want, which is very convenient and time-saving.

Solution : HTTP endpoint:

Function name	HTTP Method	Data Types	Exceptions
Message_find_v1 Give a specific message after user input some key words	POST	Parameters: { token, channel_id, message_id,keywords } Return Type: {special_messages}	InputError when any of: <ul style="list-style-type: none">channel_id does not refer to a valid channelmessage_id does not refer to a valid channel AccessError when: <ul style="list-style-type: none">Keywords do not match any messages
Special_message_list List all messages which contain the keywords	POST	Parameters: { token, channel_id, message_id,keywords,time_sent } Return Type: {special_messages_list}	InputError when any of: <ul style="list-style-type: none">channel_id does not refer to a valid channelmessage_id does not refer to a valid channelTime_sent is invalid

State Diagram:

