

# COMP1531

## Iteration 3 – SDLC Planning

*Fri 11 Orange*

*Group 1*

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### User 1

Name: Adrian

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### 1. Elicitation

*What is your main reason for using communication and collaboration-based messaging services?*

A: I mainly use messaging applications to directly message groups of people. This can range from being work-related to general social interactions.

*How easy is it to navigate and make use of the current features available on flockr?*

A: I found it to be pretty intuitive and relatively easy to use, based on platforms I have previously interacted with.

*Are you able to accomplish all your daily tasks, or do you feel as though something is missing?*

A: I am able to complete most of my daily tasks, but I do feel like a lot is missing.

*What functionality would you like to see implemented or adjusted?*

A: Primarily, I would like to see the ability to share and upload files within channels be implemented.

### 2. Analysis & Specification

As a user, I want to be able to upload and share files to be available for all members within a channel.

- The attachment icon is placed in the bottom right of the message box near the send later function
- After the user has pressed the icon, a separate window containing the file explorer from their operating system appears
- The user can then find/navigate to where the file is stored on their device

- Upload begins once the user clicks the “Open/Upload” button after their file is selected
- The send button is greyed out and not able to be clicked until the upload is complete
- The user cannot upload a file with a size more than 4 megabytes

### 3. Validation

*What are your thoughts on the acceptance criteria?*

A: It is structured and well thought, however I do feel as though there should be a point or description about what file formats will be supported. I believe that a wide variety or at least the most popular should be included in the implementation. Such as, pdf's and all images.

### 4. Interface Design

file/upload	POST	token, file, name, size	{is_success}	InputError when, <ul style="list-style-type: none"> <li>• size is greater than 4 megabytes</li> <li>• name involves spaces or special characters</li> </ul>	The function accepts a file uploaded with the form required, and writes the submitted file to the current directory
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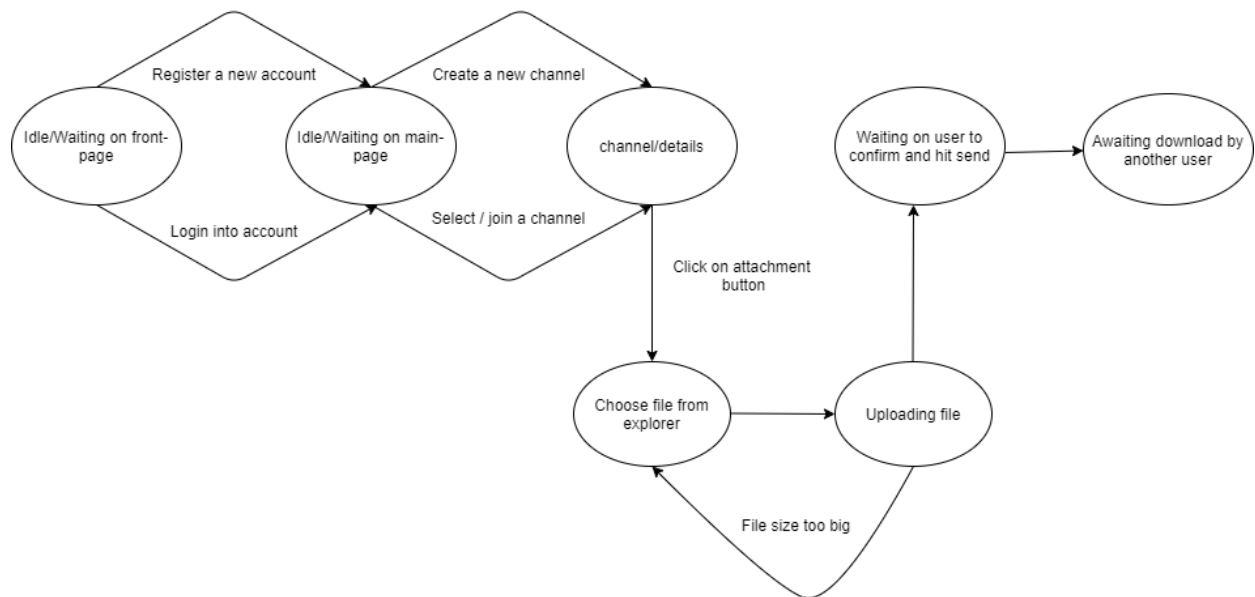
In addition to this, a basic function that uses the in-built function ‘render\_template’ from the flask library is needed to upload the file into the frontend.

Furthermore, the extension types and upload folder need to be defined. For example,

UPLOAD\_FOLDER = '/path/to/the/uploads'

ALLOWED\_EXTENSIONS = {'txt', 'pdf', 'png', 'jpg', 'jpeg', 'gif'}

## 5. Conceptual Modelling (State)



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**User 2**

Name: Evgenia

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**1. Elicitation**

*What is your main reason for using communication and collaboration-based messaging services?*

E: I pretty much only use it to interact with family or friends overseas. These messaging applications are a good way of avoiding extra fees from your service provider.

*How easy is it to navigate and make use of the current features available on flockr?*

E: I found it to be a bit difficult after registering. I had to really click on everything I could before I understood what does what, and yet there are still things I don't completely understand how to use.

*Are you able to accomplish all your daily tasks, or do you feel as though something is missing?*

E: I am only able to somewhat complete basic tasks. I do feel like it is missing a few things.

*What functionality would you like to see implemented or adjusted?*

E: I would like to see the option of a short tutorial or site introduction after somebody has registered. This would remove the learning curve some people might have.

**2. Analysis & Specification**

As a user, I want to be educated about the user interface, and all the functionality that is on offer.

- After the user has successfully registered, a front-end tutorial is triggered on screen as an overlay
- The first sequence of the overlay has the option to dismiss or continue
- The user decides to continue by clicking the correct option
- A series of interactive prompts combined with arrows are then activated
- The user then clicks through and completes the tutorial, while always having the option to dismiss
- After everything is completed or the dismiss button is pressed, the overlay disappears, and the application runs like normal.

**3. Validation**

*What are your thoughts on the acceptance criteria?*

E: I think that hits the nail on the head. I like the fact that the tutorial will also be interactive instead of just being completely text-based. I also think that there should be the option somewhere to revisit or activate it again if needed.

#### 4. Interface Design

tutorial/start	PUT	token	{ }	AccessError when, <ul style="list-style-type: none"><li>• token is invalid</li><li>• a tutorial is already active</li></ul>	Given a token, appends the data structure to show that a tutorial is now active for the authorised user
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Other relevant functions which are active during the home screen will need their return types modified to now include whether a tutorial overlay is active or not. Furthermore, the auth\_register function will now need to accommodate for these changes.