

COMP1531 [Requirement]

[Requirement] ELICITATION 1

Name: Axie Tadzix

Email: TadzixA9@gmail.com

Description: First-year Uni student, who mostly involves himself in group projects

1.How often do you use teamwork-driven communication tools? Can you name a few that you use the most?

a. I use these Apps on a daily basis during times when I do a group project. The ones I use the most often are discord and messenger.

2.Of these APPs, which one is your preference when it comes to working in a project, and why?

a. I prefer messenger because it allows me to easily connect with multiple "friends" I have on Facebook, It is also easier to add them in comparison to discord.

3.What features do you think messenger can implement to better your usage/experience?

a. I think as a group project, it is very important to keep track of all the work done across the team. I wish messenger would have a feature where they have a progress track where it calculates total percentage done. All we need to do is put in the number of task and its name. The progress bar would also display contribution, where each person's percentage progress is marked by their unique colour.

4.Why do you need this new implementation, have you tried existing products?

a. By having this progress bar, it gives a clear view of how well we are progressing and what is needed to be done. Sometimes just knowing what is left to do does not give everyone a sense of urgency and hence we always finish things last minute. As the progress bar is to pressure everyone to have equal contribution. So far, I have not come across any team-work designated APPs that does this.

5. What features do you think they should remove to better your usage/experience?

a. One thing I am annoyed about is the inability to show that you have read the message. Sometimes I want to view the message but also don't want my team to know that the message has been read by me.

[Requirement]ELICITATION 2

Name: Ryan Foo

Email: Ryan.Foo1207@outlook.com

Description: Working in an actuary firm as an actuary.

1. How often do you use teamwork-driven communication tools? Can you name a few that you use the most?

a. As a full-time worker, I am required to use Monday.com for workplace communication and as a project management tool. Other than that, I use messenger to easier communication.

2. Of these APPs, which one is your preference when it comes to working in a project, and why?

a. In all honesty, monday.com is a good project management tool to use, it allows easy overview of what your team is up to, what you need to do and when things are due. However, I think for a student, monday.com is a bit costly for individual small projects.

3. What are some problems you have with Monday.com?

a. The biggest problem I have is the steep learning curve. At first glance monday.com looks easy to use with all these colours and features. However, I realised that there were far too many features and takes a long time to figure out and you may not have the time especially if working on time sensitive projects.

4. What features do you think Monday.com can implement to better your usage/ experience?

a. First, as I mentioned earlier. I wish there was an easy to follow step by step illustration on how to use specific features, Or even a suggestions page to suggest which features to use based on a typed in description. Then, I would really love a live chat section where I can communicate some in APP problems, such as finding the right features to use and how to use them etc.

5. What features do you think they should remove to better your usage/experience?

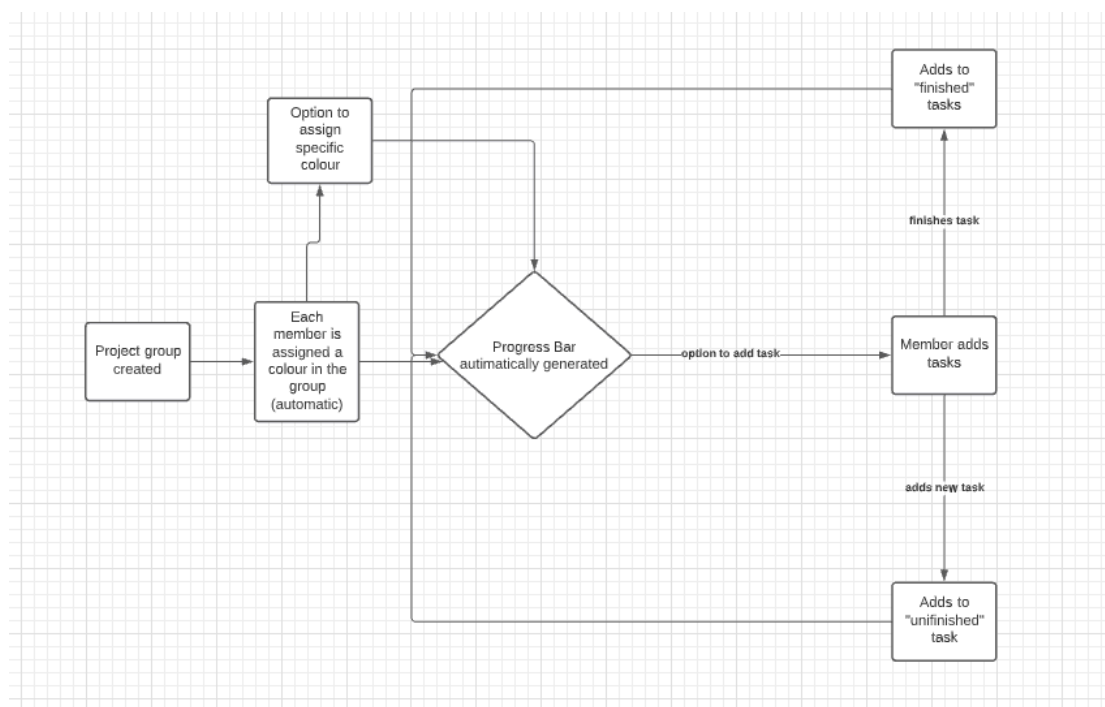
a. Not so much a feature, but I wish it was not as costly. For the different variations of features they offer it definitely should be expensive, but should not be this expensive.

Proposed solution for above [person 1]

As a software engineer, the solution to this problem is just to add a new feature that does what these specific types of user wants. This can be generally categorised as "project chats", where new features can be added to better help people who uses messenger as a project management tool. Specifically, we first need to add a feature called "progress_bar" that calculates the percentage of work finished. To do this, we can create a data_store to store all the tasks, and each task would contain information about the property of these tasks.

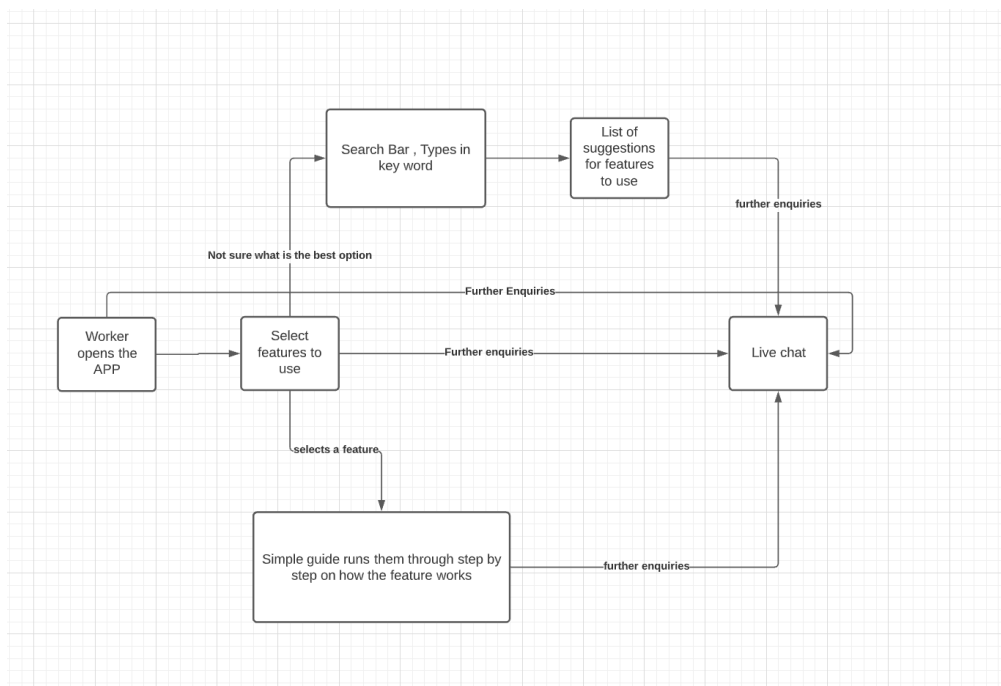
[Requirement] Person 1 User story + Acceptance Criteria

User Story and Acceptance Criteria	
User Story	Acceptance Criteria
As a university student who prefers using messenger as a communication tool, I want a progress bar displayed in chat, So I can better track the progress of the project.	Given that a messenger group chat is being used as a project communication medium, when users within this group opens the chat, then a progress bar is clearly displayed in view.
As a university student who prefers using messenger as a communication tool, I want a progress bar that indicates teammate contribution, so I can track the contribution of all teammates with ease.	Given that a group member finishes a task, when a user ticks off a task from the task box, then it contributes to the progression bar with a unique colour for that specific user.
As a university student who prefers using messenger as a communication tool, I want to be able to generate a basket of tasks, categorised by "done" and "not done". So, I can track the contribution of all teammates with ease.	Given that a group member wants to see which tasks are not done, when user within this group clicks on a task box, then all the tasks categorised by "finished" and "unfinished" are displayed on screen.



[Requirement] Person 2 User story + Acceptance Criteria

User Story and Acceptance Criteria	
User Story	Acceptance Criteria
As a worker who does not understand all the features, I want simple instructions that runs through step-by-step on how to use specific features, So I can focus on time sensitive projects rather than learning how to use the app.	Given that a person wants to use specific feature but does not know how, when they first use the feature, then there should be a simple illustration/guide that describes the functionality of he feature and how it operates.
As a worker who does not know which feature to use, I want the website to find the best suggestion of a feature in relation to a typed in key word, So I can use the best feature for what I want to do.	Given that a worker wants to select the best feature that fits what they want to do, when they are using the software, and they type in a key word in the search bar, then the system should provide a list of the best/ related features for the worker to choose from.
As a worker who have further enquires regarding the usage of the website, I want to be able to contact professionals who developed the app, So I can find the best solution in the least amount of time.	Given that the worker has enquiry regarding an issue, when they are using the software, and they opens the "live chat" section, then the software connects them to a professional who would solve their problem online.



[Requirement] Person 1 Validation

1. Does the user story correctly identifies your concerns?

a. Yes. I really loved the diagram and how they cleanly gives me an idea of how it works. For the first use story, it is exactly how I imaged it would work. I would prefer if the progress bar is right under the char name, or even allow me to view total progress without opening the chat. Second user story is good as it is. Third user story could be a little specific? Maybe add a section for assigned tasks.

[Requirement] Person 2 Validation

1. Does the user story correctly identifies your concerns?

a. It clearly depicts what I imaged it should do. I like the idea that only once you click into the features then it would run you through how to use it rather than having a whole different section that the user have to find the step-by-step guide. Other than that, overall describes what I say.

COMP1531 [Design]

[Design] Interface Design for proposed solution

Input/Output Types			
Variable Name	Type		
Total_task	List of dictionaries, where each dictionary contains types {task_id, description}		
task_id	Integer		
chat_id	Integer		
u_id	Integer		
Interface			
Name & Description	HTTP Method	Data Types	Exceptions
Progress/bar/v4 Given total amount of tasks, and finished tasks, return "percentage finished". The u_id is the person who finished the task, which will have its unique colour displayed on the progress bar to indicate their contribution.	GET	Parameters: { token, total_task, task_id, chat_id, u_id} Return: {percentage_finished}	AccessError: • Person is not in the group chat. InputError: • total_task is invalid • task_id is invalid • chat_id is invalid • person_finished is invalid
task/categorise/v4 Given a task, categorise it into either finished or unfinished	POST	Parameters: {token, task_id} Return: {}	AccessError: • Person is not in the group chat. InputError: • task_id is invalid
List/all/task/v4 Given chat_id, list all tasks and their category	GET	Parameters: {token, chat_id} Return: {task_state}	AccessError: • Person is not in the group chat. InputError: • chat_id is invalid

[Design] State Diagram

