

# Planning

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## Elicitation

Interviewee 1: Alisa Zhou ([alisazhou@gmail.com](mailto:alisazhou@gmail.com))

1. Do you use team-base chat apps?  
I use an app called Slack (<https://slack.com/intl/en-au/>).
2. What is the reason for using team-base chat app?  
I use Slack to communicate with my teams and collages, and transfer files to different people or group.
3. Do you have any complaint or uncomfortable experience with Slack?  
Yes, there is some. It is understandable as Slack is designed to be a light communicating app, but it seems that's too light for me. For example, sometimes I couldn't find the right person in the chat menu with large numbers of chats, as this app don't have contact sorting or searching function, this annoys me somethings. Oh, by the way, it will be better if I could pin certain chat at the top of chatting page regardless the number of chats that I had.
4. Anything else other than these?  
Nah, I think that's it.

Interviewee 2: Clearence Gromowski ([l1278301606@gmail.com](mailto:l1278301606@gmail.com))

1. Do you use team-base chat apps?  
I use Slack.
2. What is the reason for using team-base chat app?  
I use Slack to communicate with my teams when working with a project together, transfer files, share links, and update project progress.
3. Do you have any complaint or uncomfortable experience with Slack?  
Yes, I think it lack project management features, for example, build-in to-do list, or more advanced, build-in workflow chart. I think this feature is very important for the whole team, as everyone could clearly see the time of deadline and the exact working content. In my opinion, this can improve the working efficiency by laying or listing all tasks onto the table.
4. What is the most desirable project management feature in your opinion?
  - a. Ability to remind due day to assigned person, for example, push alert to specified user one day before deadline.
  - b. Show the content of deadline in the same page.
  - c. Able to open the due day page through an obvious shortcut.

Interviewee 3: Lance Wang ([lancewaiting@gmail.com](mailto:lancewaiting@gmail.com))

1. Do you use team-base chat apps?

I use Slack as my communicating tool.

2. What is the reason for using team-base chat app?

Chat with teams and check project updates. But I don't use it unless it is required by course or my supervisor.

3. Why don't you like Slack?

The UI looks so bad, and the app is so lagged, like developed from last century, it is total unbearable!

4. Could you be more specified which part looks bad?

I don't know, just fonts, interface, colours, and ..... you know.

5. Will you use it if these got improved?

It all depends on whether my supervisor wants me to use.

## Analysis & Specification - Use Cases

User story for Interviewee 1: Alisa Zhou ([alisazhou@gmail.com](mailto:alisazhou@gmail.com)):

As a team manager and supervisor, I want to be able to search the specified contact or chatting information and pin the chat, so I can improve my working efficiency.

User acceptance criteria:

1. Need to reduce the time to find certain people.
2. Need to reduce the time to navigate between chats.
3. Need to be able to pin the chat in the side bar.
4. Need to be able to unpin the chat in the side bar.

Use case:

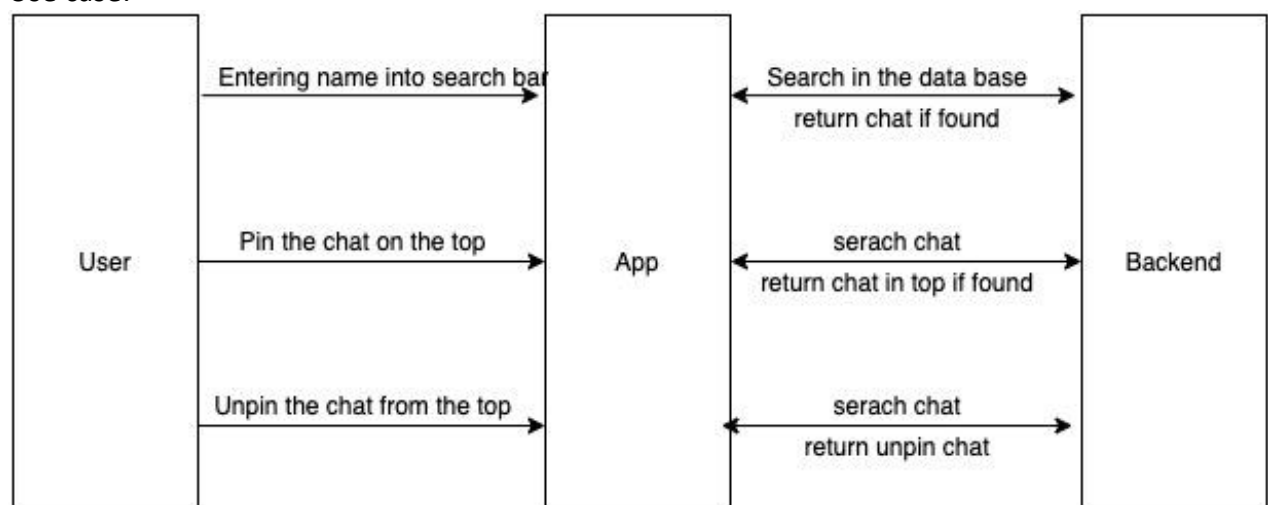


Figure 1 Use case for interviewee 1

User story for Interviewee 2: Clearence Gromowski ([l1278301606@gmail.com](mailto:l1278301606@gmail.com))

As a group leader, I want to be able to use project management features within the app, so everyone can have clear vision for their contents and deadlines, and manage the time effectively.

User acceptance criteria:

1. A shortcut in the side bar to indicate the tasks and deadline.
2. Users able to assign or unassign tasks to others.
3. Users able to assign or unassign deadline to tasks.
4. Tasks able to remind user before the deadline.

User case:

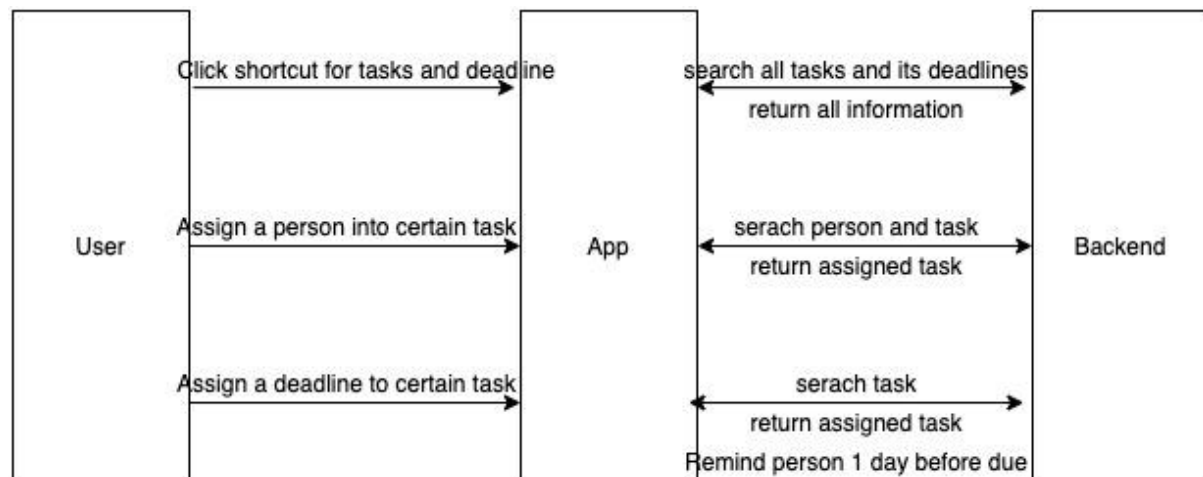


Figure 2 Use case for interviewee 2

User story for Interviewee 3: Lance Wang ([lancewaiting@gmail.com](mailto:lancewaiting@gmail.com))

As a student, I want to be able to change the colour and font, so it can be visually more easy to use.

User acceptance criteria:

1. Ability to modify the size and style of font.
2. Ability to modify the colour of interface.

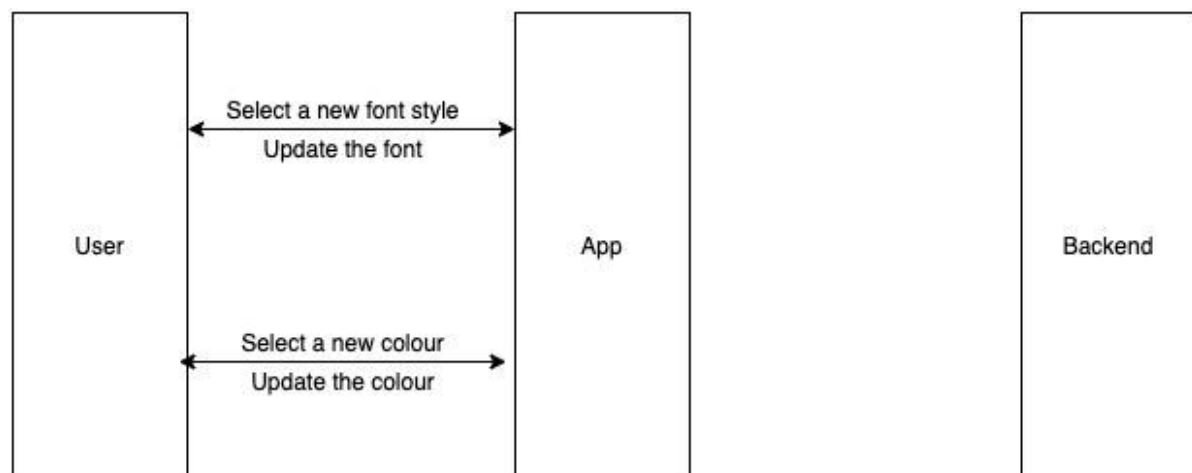


Figure 3 Use case for interviewee 3

## Validation

Validation for Interviewee 1: Alisa Zhou ([alisazhou@gmail.com](mailto:alisazhou@gmail.com))

1. Does the use case resolve your problem?  
Yes.
2. Do you have anything to add?  
No.

Validation for Interviewee 2: Clearence Gromowski ([l1278301606@gmail.com](mailto:l1278301606@gmail.com))

1. Does the use case resolve your problem?  
Yes.
2. Do you have anything to add?  
No.

Validation for Interviewee 3: Lance Wang ([lancewaiting@gmail.com](mailto:lancewaiting@gmail.com))

1. Does the use case resolve your problem?  
Yes.
2. Do you have anything to add?  
Nope, that's it.

## Interface Design

Solution to Alisa's user story:

Interface:

Name & Description	HTTP Method	Data Types	Exceptions
Message/search_chat/v3 Search for the name or member of the chat, return the chat if corresponded chat is found.	GET	Parameters: {token, search_input} Return types: {message}	InputError when any of <ul style="list-style-type: none"><li>Token is not valid token</li></ul>
Message/pin/v3 Pin the specified message on the top of the page.	POST	Parameters: {token, message} Return types: {}	InputError when any of <ul style="list-style-type: none"><li>Token is not valid token</li></ul> AccessError when any of <ul style="list-style-type: none"><li>Token is not in part of message</li></ul>
Message/unpin/v3 Unpin the specified message on the top of the page, leave it in the original place until someone new message shuffle it.	POST	Parameters: {token, message} Return types: {}	InputError when any of <ul style="list-style-type: none"><li>Token is not valid token</li></ul> AccessError when any of <ul style="list-style-type: none"><li>Token is not in part of message</li><li>Message is not pinned on the top</li></ul>

## Conceptual Modelling

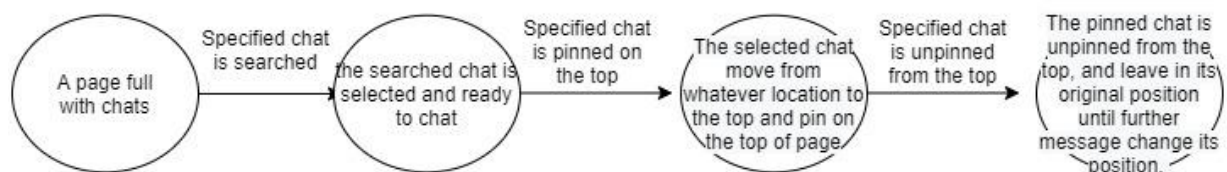


Figure 4 Conceptual Modelling

