**Initial context scenarios:**

**Setting:**

Steve is middle-age man who have been graduated from college for many years, he plans to minor in IT in his spare time.

**Agents:**

Steve(user)

**Goals:**Steve want to use this application to finish his degree more easily and comfortable, at current time, he uses this application to take notes and arrange his daily tasks.

**Actions:**

Take notes, arrange daily tasks, finish group work.

**Events:**

Steve is a middle-aged student. Every morning, Steve opens this application to arrange his daily tasks, he can find that if there are any meetings conflict with his classes. When finishing the assignment, Steve can easily check the mission and the progress for each person on the side bar and the message reminding give him a warning when due is approaching. Steve also has trouble in watching screen, he is a green-red color blindness, he opens the accessibility setting, who may let me feel better when using the application. On the classes, he wrote his lecture notes on this APP, he really likes the remark function and mind mapping which can help him reviews what he learned quickly. Furthermore, Steve often uses professional vocabulary in his notes, he can directly import the specialized vocabulary which can help him to auto complete when inputting professional terms.

**Requirement:**

**Non-functional requirement:**

* Improvements for red-green blindness and screen reader
* Faster loading speed, reducing synchronization delay of different devices
* Add private notes that require a password to access
* Add quick recovery function, when the software crashes
* 15 days after the note is deleted, it can be retrieved in the recycle bin
* Remote login message warning

**Functional requirement:**

* Add a mind mapping
* Annotation function, such as underline, drawing.
* Multiple people work together to complete the same note
* Show schedule
* Message reminder according to deadline
* Quickly convert to other file formats
* Submit error reports to the developers, when the software crashes
* Change the font size according to different demand
* One-click contact customer service for remote assistance
* If you enter the wrong password multiple times, the account holder will be notified by email
* Steve is a middle-aged student. Every morning, Steve opens this application to arrange his daily tasks, he can find that if there are any meetings conflict with his classes. When finishing the assignment, Steve can easily check the mission and the progress for each person on the side bar and the message reminding give him a warning when due is approaching. Steve also has trouble in watching screen, he is a green-red color blindness, he opens the accessibility setting, who may let me feel better when using the application. On the classes, he wrote his lecture notes on this APP, he really likes the remark function and mind mapping which can help him reviews what he learned quickly. Furthermore, Steve often uses professional vocabulary in his notes, he can directly import the specialized vocabulary which can help him to auto-complete when inputting professional terms.

How do you plan the course time without conflict with other things？

Do you need to input professional vocabulary frequently？

Do you need to insert code blocks in your notes ?

According to the five questionnaires I distributed, most of the respondents use the learning management 4-5times a week. And refer to the method of taking notes, most of them use electronic device to finish their notes. And all of them report that they have difficulties in spelling professional vocabulary. Regarding to the question of missing the deadline because of platform, only one interviewee said that they have suffered this situation. We also find that most of interviewee only have a little requirement to the quality of the video, comparing to the quality of lecture video, they care the smoothness of playback much more.

The questionnaire also showed that for the new features, such as write code annotation, Automatic error correction of professional words, interviewee have a positive and open attitude. They are happy to try them and recommend to their friends according to the experience.

At the same time, the questionnaire survey also reflected the following questions, among our interviewee, we do not have accessibility interviewee, therefore we cannot tell that those function is necessary or not for the disability students. And most of the interviewee is postgraduate student whose major is IT, data has limitations which can reflect different majors students ‘need.

**Initial context scenarios2:**

**Setting:**

Tony is a postgraduate student who’s major is Biological Engineering, He is very organized in his studies and often reviews and he is keen on volunteering.

**Agents:**

Tony (user)

**Goals:**Tony wants to use this software to complete all the notes during class time, so as to facilitate his review after class. He also wants to make full use of the other functions of the notes to arrange no conflict between his courses and volunteer activities

**Actions:**

Take notes, and share note with classmates, arrange daily tasks, volunteer

**Events:**

Tony is a hardworking postgraduate student, he almost got HD in almost every subject. In order to make the review after class more efficient, he wants to insert some mind mappings into his notes, which help him save a lot of review time. Due to the major is special, tony needs to frequently enter a lot of professional vocabulary in his notes, and many vocabularies are difficult to spell. He needs to spend a lot of unnecessary time to input these professional vocabularies to ensure that there is no mistake. He is also happy to share his notes. But he can only share the screenshots due to the restriction of software, he wishes he could choose the file size or the format of the shared notes. Since the volunteer time is not fixed, he always spends a lot of time to confirm that the course time will not conflict with it.

Tony is a hardworking postgraduate student, he almost got HD in almost every subject. In order to make the review after class more efficient, he wants to insert some mind mappings into his notes, which help him save a lot of review time. Due to the major is special, tony needs to frequently enter a lot of professional vocabulary in his notes, and many vocabularies are difficult to spell. He needs to spend a lot of unnecessary time to input these professional vocabularies to ensure that there is no mistake. He is also happy to share his notes. But he can only share the screenshots due to the restriction of software, he wishes he could choose the file size or the format of the shared notes. Since the volunteer time is not fixed, he always spends a lot of time to confirm that the course time will not conflict with it.

**person: Tom**

**age: 19**

**action(what): take notes**

**sequence(when): in the lectures and tuts**

**user goals(why): take notes more efficiency and quickly**

**context(where): Tom is a 19-year-student in UNSW in law. He had trouble writing because he had been stricken with polio. Now, due to the spreading of epidemic, he has to take lessons online from home. In the Monday morning, he logs on to Moodle to see course information updates and download courseware to prepare for class. It is not convenient for him to download because there is one format for him to choose. After that, he prefers to do some preview work and write some notes because his writing speed is low. He wants voice input function so that he can write note more quickly. As a result, he cannot use so much time on that. When having class, he likes to screenshot and this can help him to record. However, the note-taking app he is using cannot choose the picture resolution and loading slowly. It is not convenient for him to use.**