

Assignment2 Individual Part



COMP3511/9511 Assignment 2

T0, 2021

Design Concept through to Prototype

Name: Zanning Wang

zID: z5224151

Tutor: Jennifer Henoch, Stephanie Kan

Abstract

In this assignment, our team design a note-taking system in a learning management system, we create some incredible modules and functions, such as voice input, import professional vocabulary, timetable-reminder. These functions can significantly help mature student to arrange their daily task and finish note-taking task.

In order to improve the accessibility of our website, I plan to make improvements for the following categories of people:

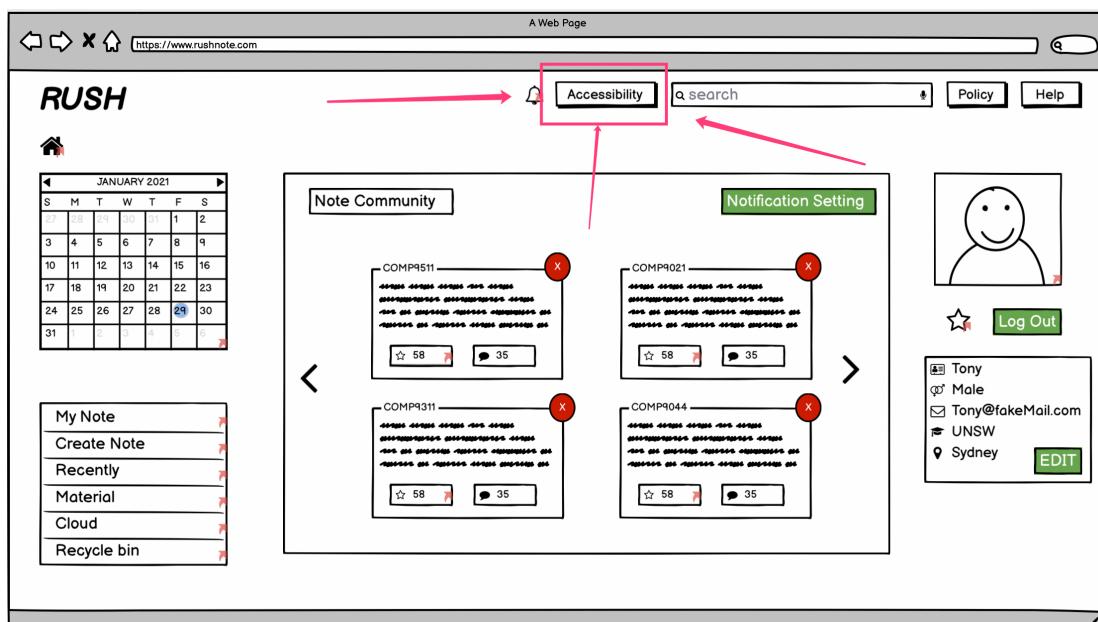
- For the people who are red-green blindness
- For the people who have trouble using keyboard
- For the people who use screen reader

Task scenarios:

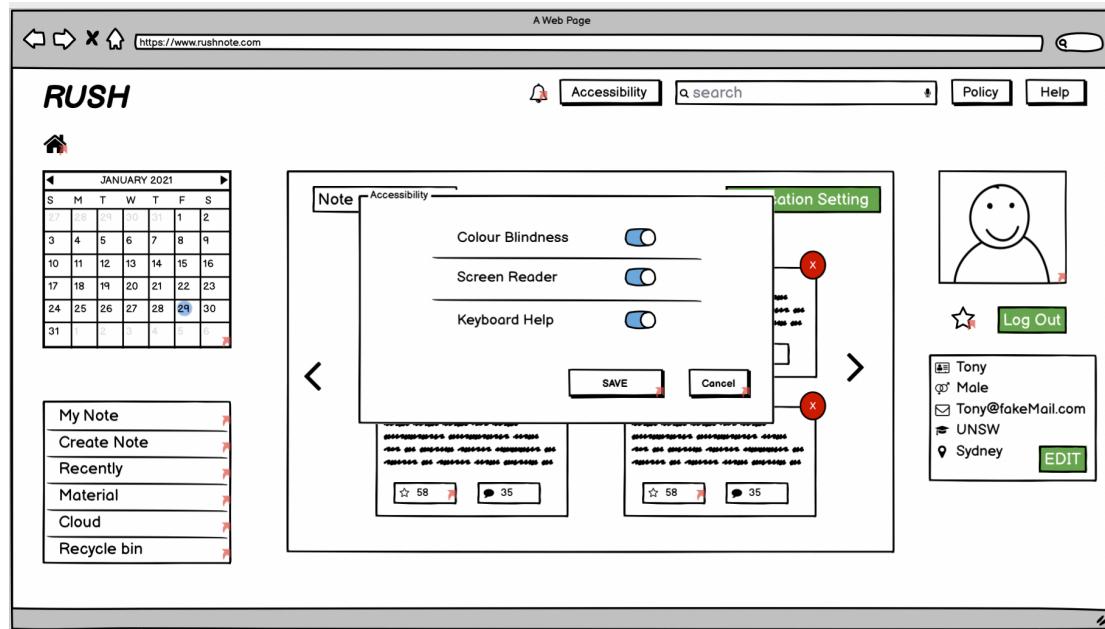
- Turn on the red-green accessibility help of this website
- Turn off the keyboard accessibility of this website
- Create a new note and insert a mind mapping on your note without using keyboard.
- Create a new note and use keyboard accessibility help to input some text.
- Use screen reader accessibility to check your daily task
- Use screen reader accessibility to insert a new task of this day

Sketches:

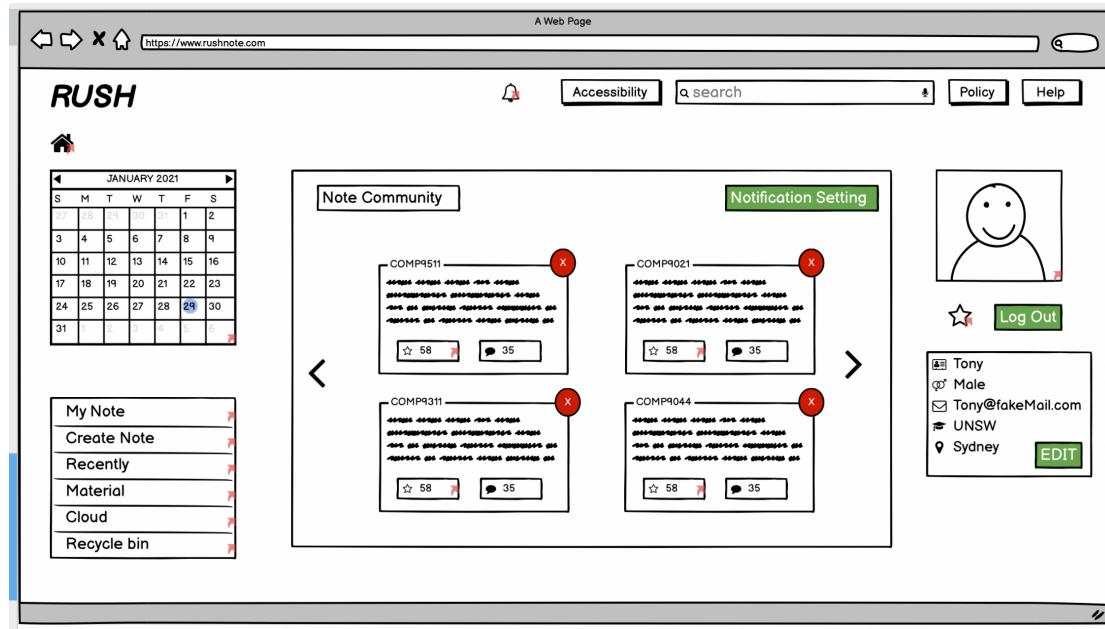
For the people who have accessibility requirements, I make a buttons called "Accessibility" on the home page. The users can click this button to further choose what kinds of help they want.



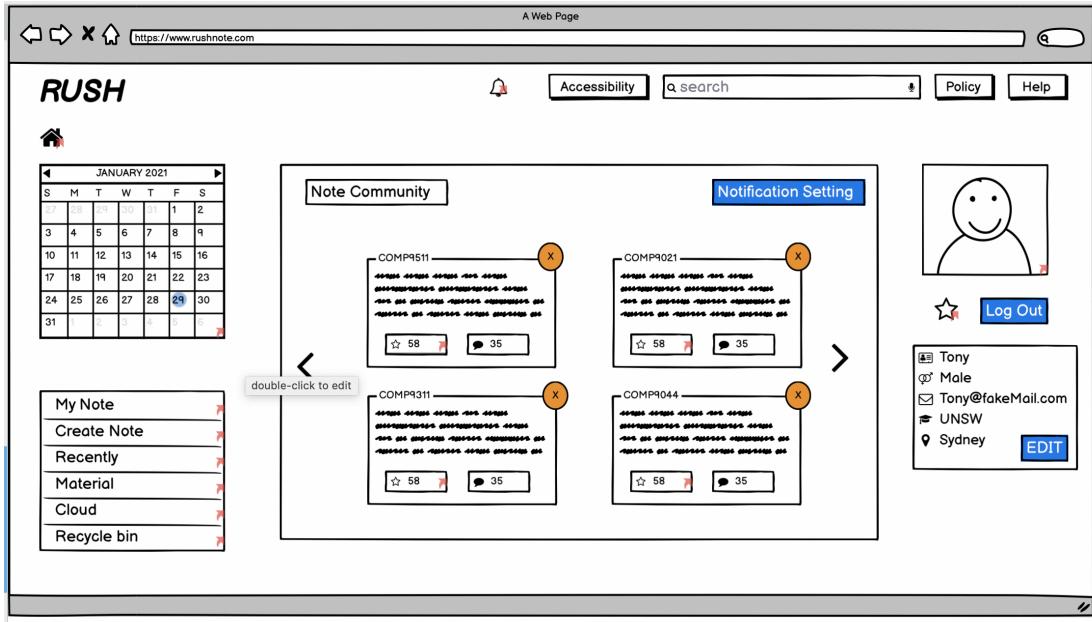
On the accessibility setting page, the users can choose different modes according their situations, currently my website have color blindness, screen reader, and keyboard help all three settings, the layout and the color element will adjust according to different modes.



For the people who are red-green blindness

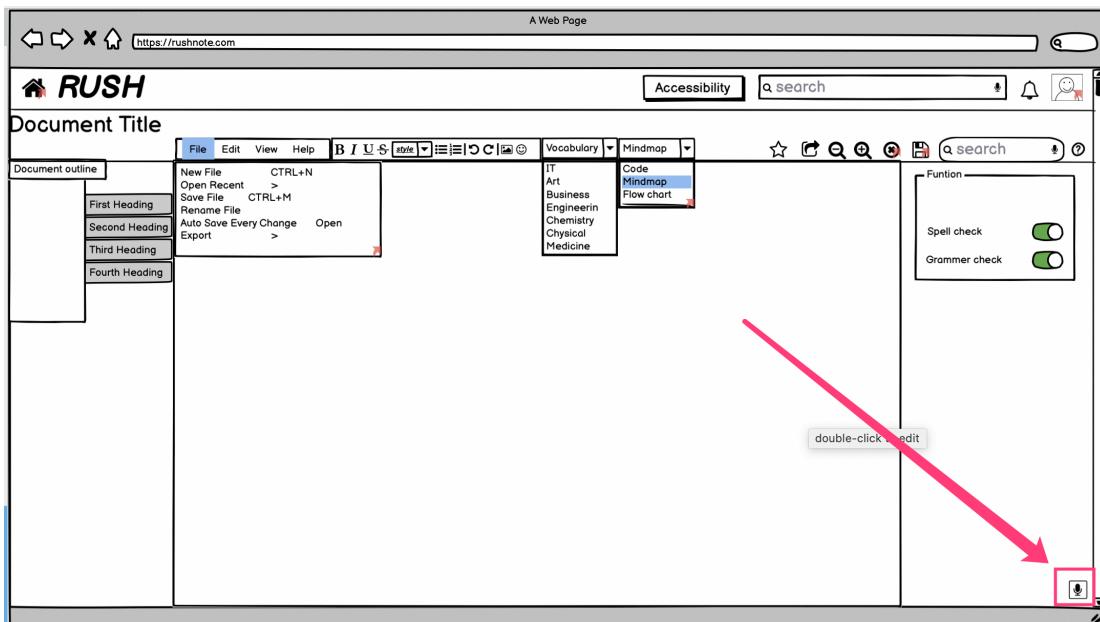


This page is the normal main page, if the users did not turn on any accessibility settings, it will show like above.

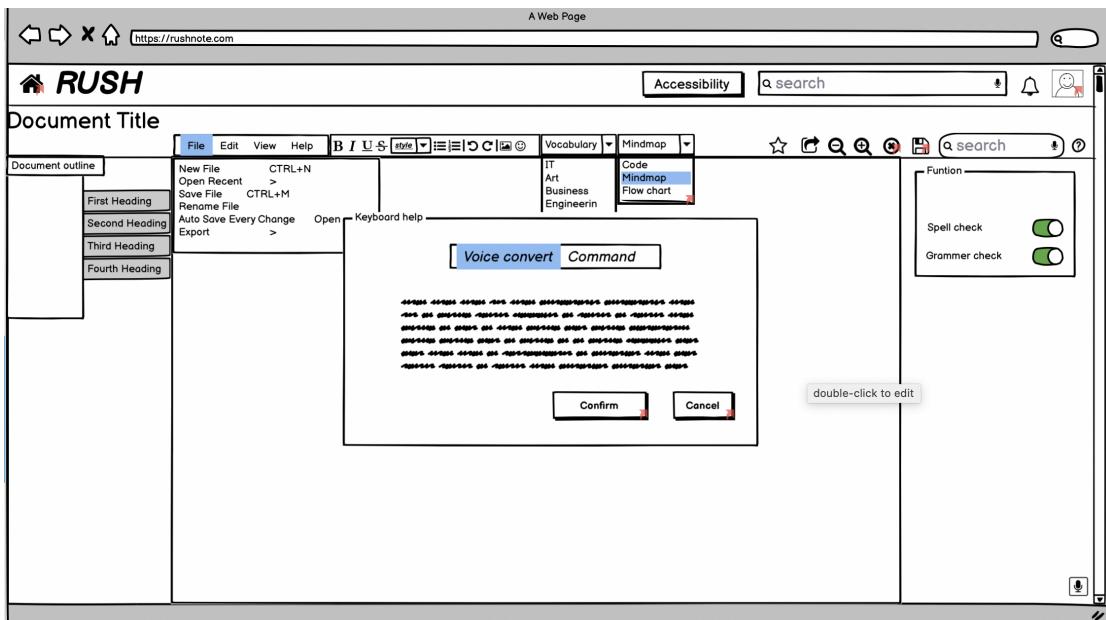


As we know, for the Red-green color blindness, they have difficulties in recognizing red and green, therefore we should adjust the use of these two colors. When we try to warn the users that some action may have dangerous, we should use color orange instead of red. For the green elements such as setting button, I use color blue to replace green. The green-red color blindness may have much more reading experience to the blue-orange interface.

For the people who have trouble using keyboard



Once the users turn on the keyboard help in the accessibility setting, there will be a small icon which located at the right corner of the page, telling the users can use additional help with this button.



By holding this button and speak, there will be a popup window to show what users said just now. the users can choose directly to post what they just said as the text or convert the text as executable command. For example, if the user want to insert a mind mapping on this page, the user only need to holding this button and speak “insert the an mind mapping”.

For the people who use screen reader

Time	Event	Status	Importance	Reminder
7am-9am	exam	complete	high	1 hour in advance
10am-11am	classes	miss	miss	10 minutes in advance
11am-12am	lunch	complete	low	10 minutes in advance
1pm-2pm	meeting	miss	high	1 hour in advance
4pm-5pm	python work Comp9511 Assignment 1 due	waiting	high	10 minutes in advance

After turning on the “screen reader “in the accessibility setting, a sound icon will show at the bottom of the screen. By click this button, the webpage will automatically hide the unnecessary icon on the right side. When users use their screen reader to read this screen, it will only read aloud valuable information. Furthermore, we also add the “alt”tag on each picture.

A Web Page

https://www.rushnote.com

RUSH

Daily schedule

26 /January / 2021

Now: 3:15

ADD 

Delete 

Time	Event	Status	Importance	Reminder
7am-9am	exam	complete	high	1 hour in advance
10am-11am	classes	miss	miss	10 minutes in advance
11am-12am	lunch	complete	low	10 minutes in advance
1pm-2pm	meeting	miss	high	1 hour in advance
4pm-5pm	python work Comp9511 Assignment 1 due	waiting	high	10 minutes in advance



