

YouNote

Sketches and Storyboards

Team: YouNote

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-The curated list of cohesive tasks

1. Resizing a screen
2. Screen capture
3. Making a code block
4. Receiving a url of the video from the user
5. Changing font-style
6. Sticky note function
7. Saving note

-Three primary tasks

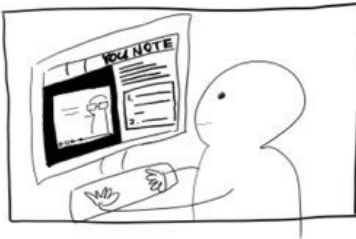
1. Resizing a screen
2. Screen capture
3. Making a code block

-Storyboard

1. Resizing a screen

A CS student is trying to resize a screen to use the full screen of a note while watching a video.

①



A CS student is using a YouNote.

②



He is taking a note and watching a video.

③



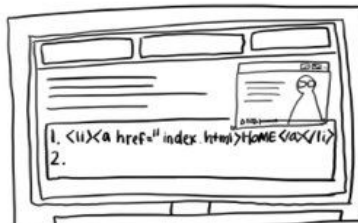
He wants to use full screen note but still wants to watch a video at the same time.

④



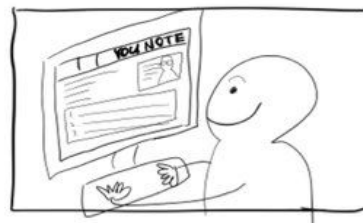
He clicks a 'window mode' button.

⑤



The note becomes a full screen and video pops out in a small separate window.

⑥



He can take a full size note while he watches a video.

Step 1: A CS student is using a YouNote.

Step 2: The user takes a note and watches a video.

Step 3: The user wants to use a full screen note, but still wants to watch a video at the same time.

Step 4: The user clicks a 'window mode' button on the top of the video screen

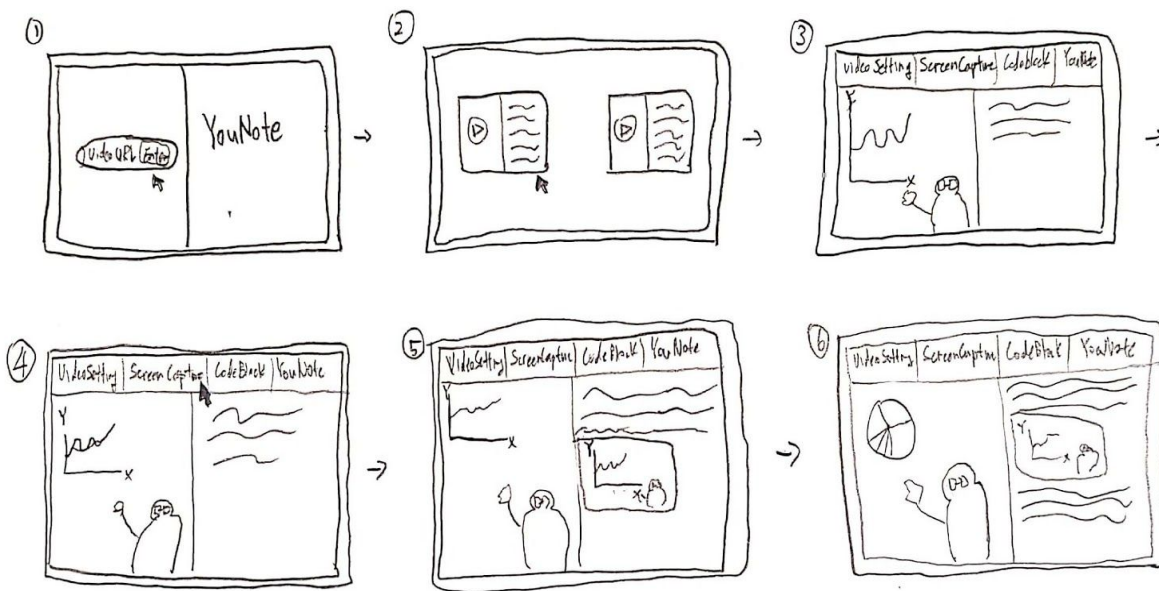
Step 5: The note becomes a full screen and the video pops out in a small separate window.

Step 6: The user can take a full size note while he watches a video

2. Screen Capture

A CS student wants to capture the video and put it into a note section while watching the video.

Screen Capture Function.



Step 1: User copy and paste the url of the YouTube video and click Enter.

Step 2: User chooses which interface to use.

Step 3: User is taking notes while watching the video.

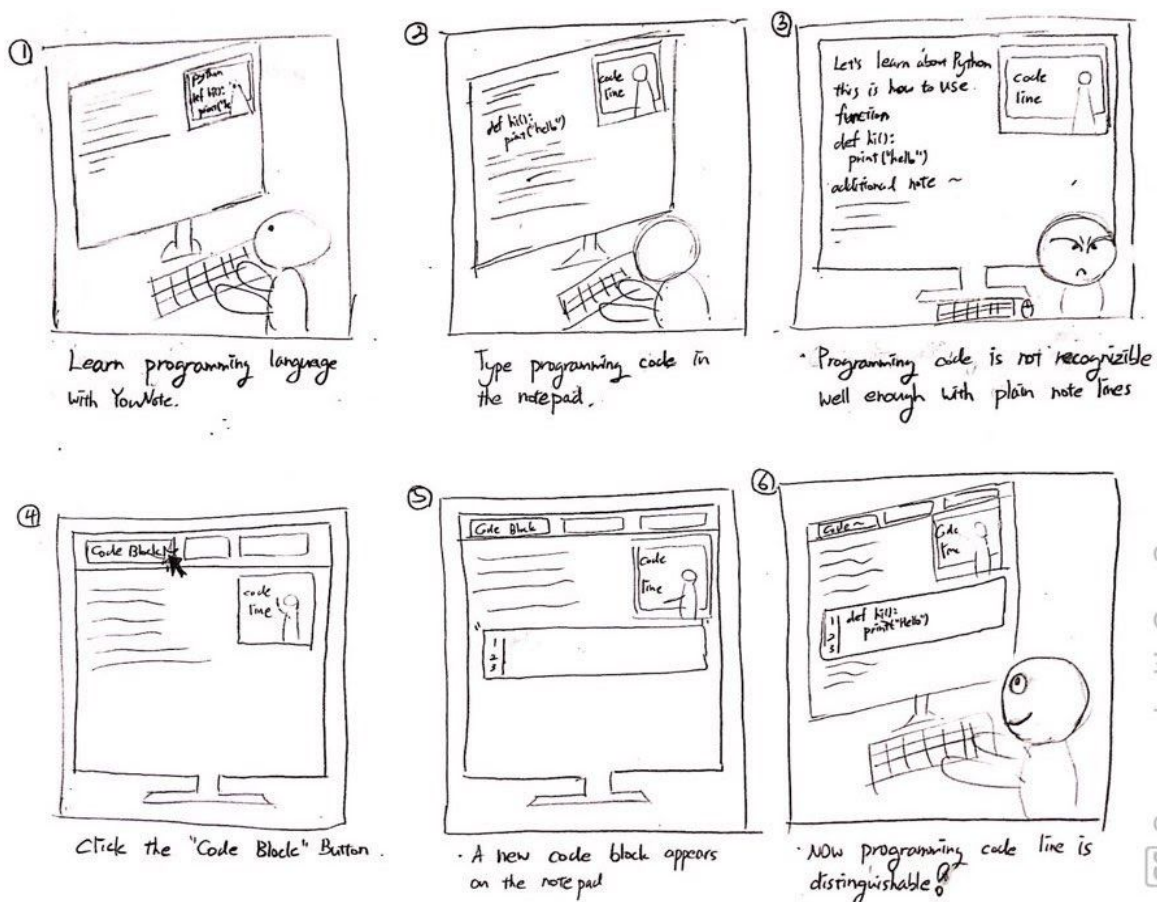
Step 4: User wants to capture the video screen and clicks the Screen Capture button.

Step 5: Captured Screen automatically attached to the note section.

Step 6: User continues the video without pausing the video.

3. Making a Code Block

A CS student wants to create a code block for a better code note-taking environment.



Step 1 : Learn programming language with YouNote

Step 2 : Type programming code in the notepad

Step 3: Programming code is not recognizable well enough with plain note lines

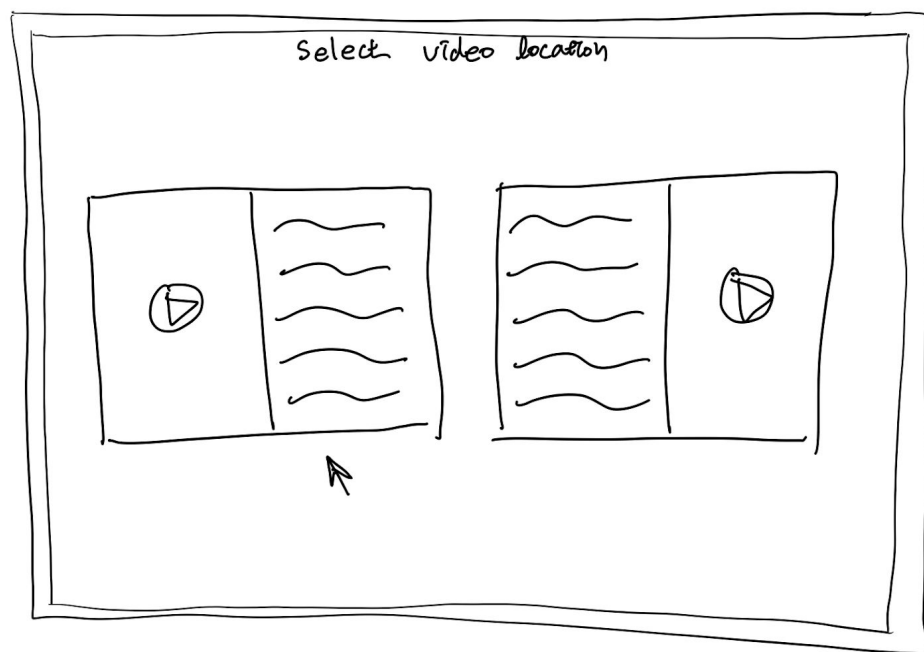
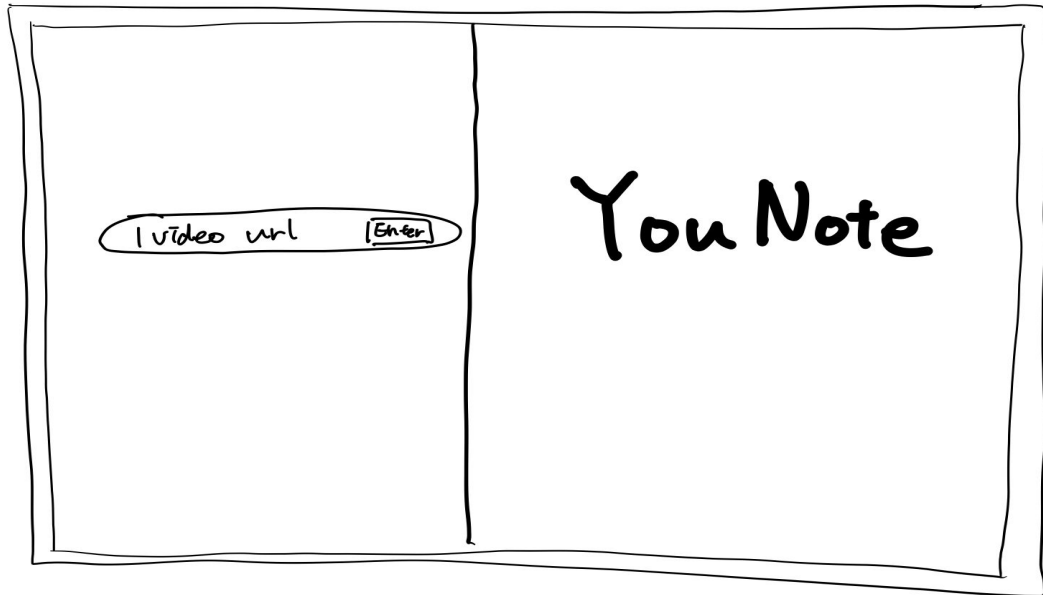
Step 4: Click the "Code Block" Button

Step 5: A new code block appears on the note pad

Step 6: Now the programming code line is distinguishable!

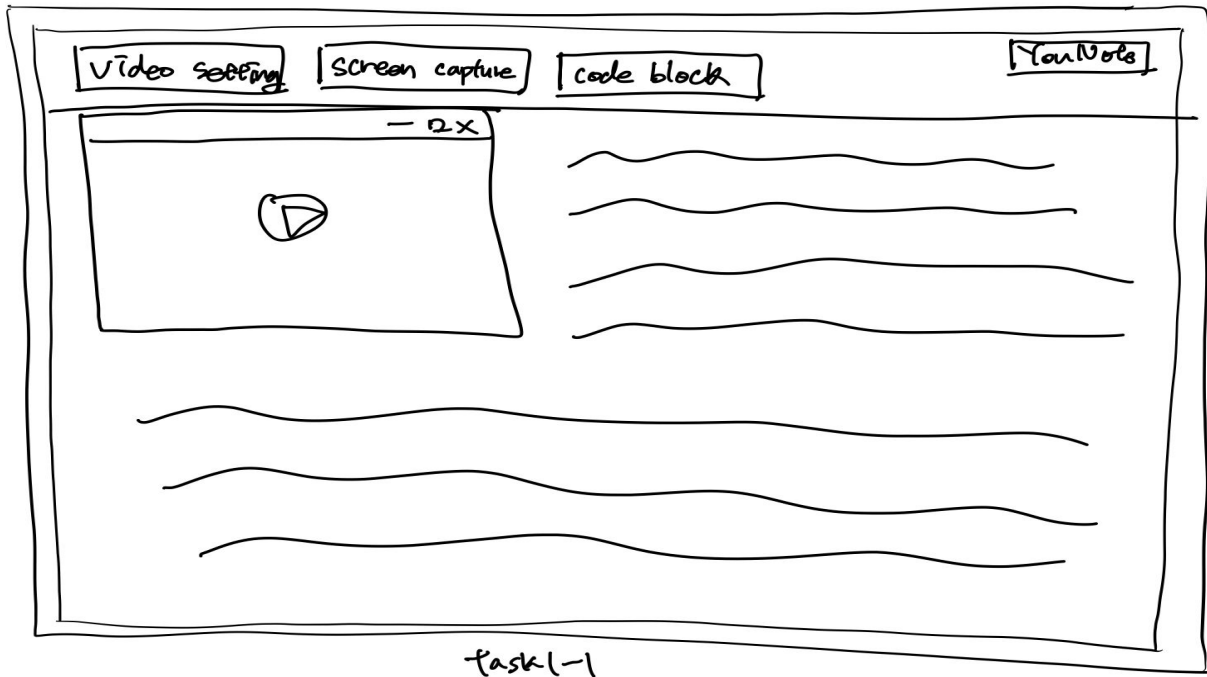
-Quick front-page sketch

- Users are required to enter a Youtube video URL in the “Video URL” box on the left side of the main page.
- After entering the video URL, click the “Enter” button to go to the notepad screen.



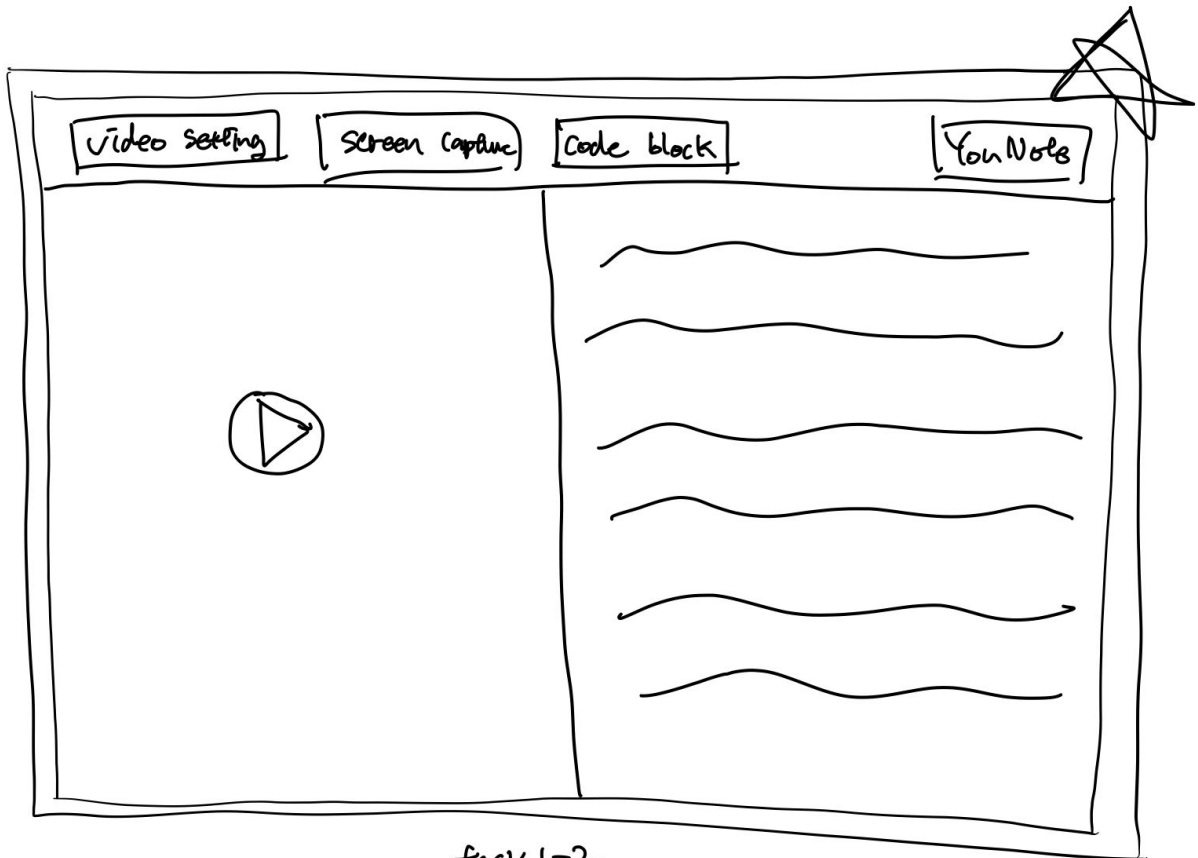
-Task 1-1 (Resizing a screen)

- The video screen comes up as a window. A user can drag a window to move the video and set it to the desired location on the note.



-Task 1-2 (Resizing a screen)

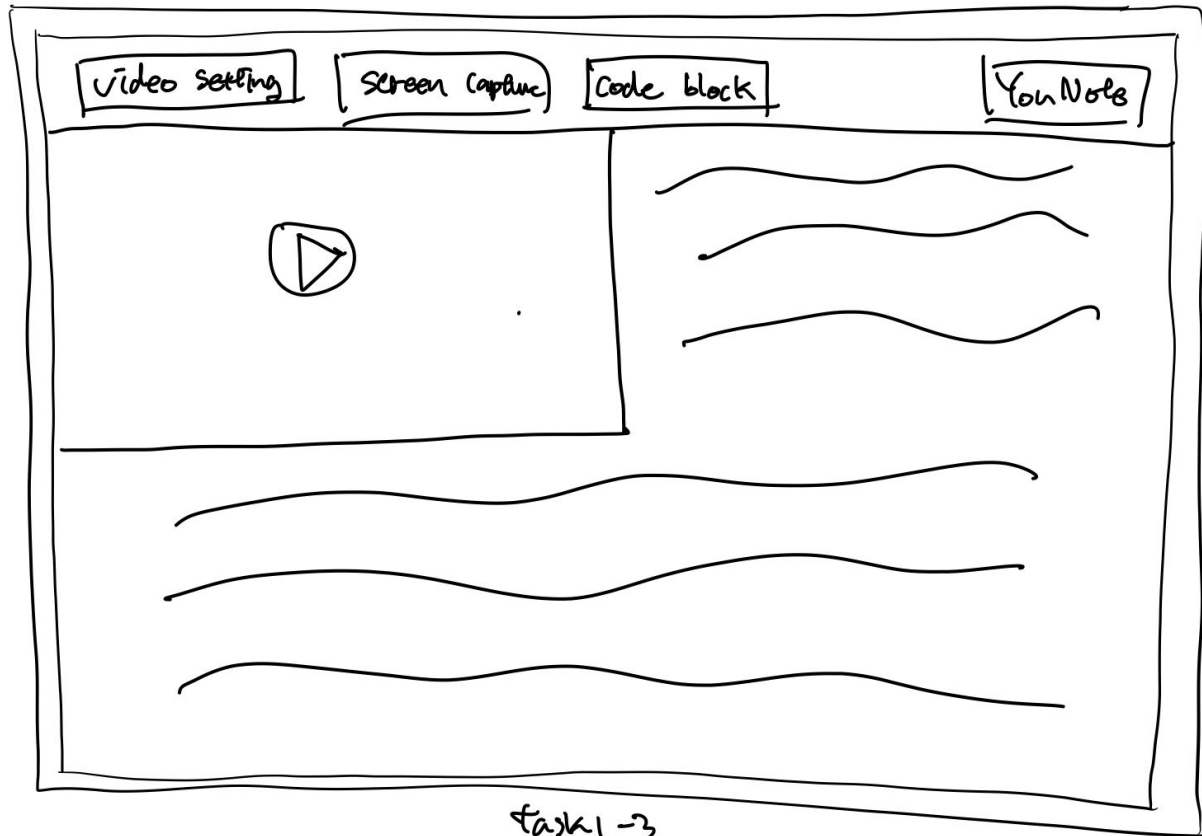
- Half of the screen is the video, half of the screen is a note. A user can resize the screen of the note or video by dragging a border between a video and a note.



task 1-2

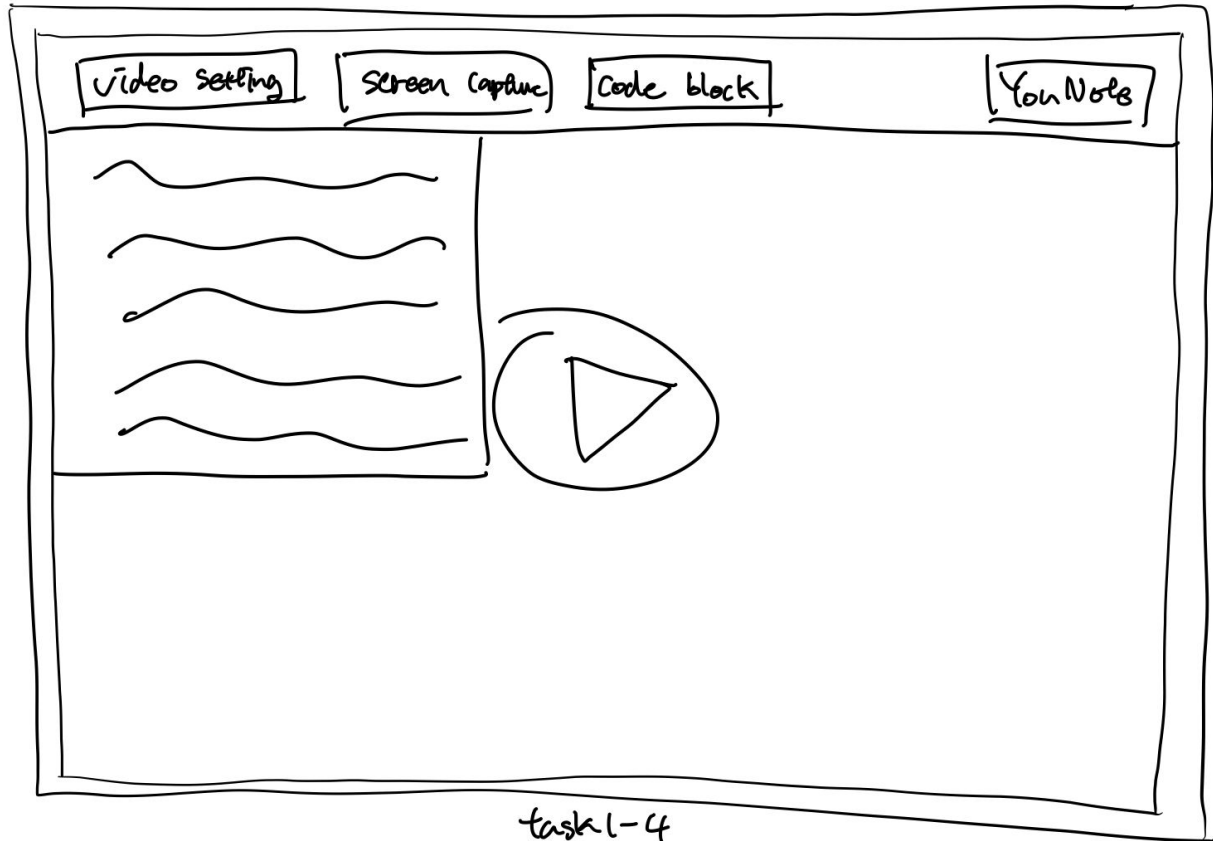
-Task 1-3 (Resizing a screen)

- The quarter of the computer screen is a video, rest parts are for note-taking. A user can resize a video screen by dragging a corner of a video.



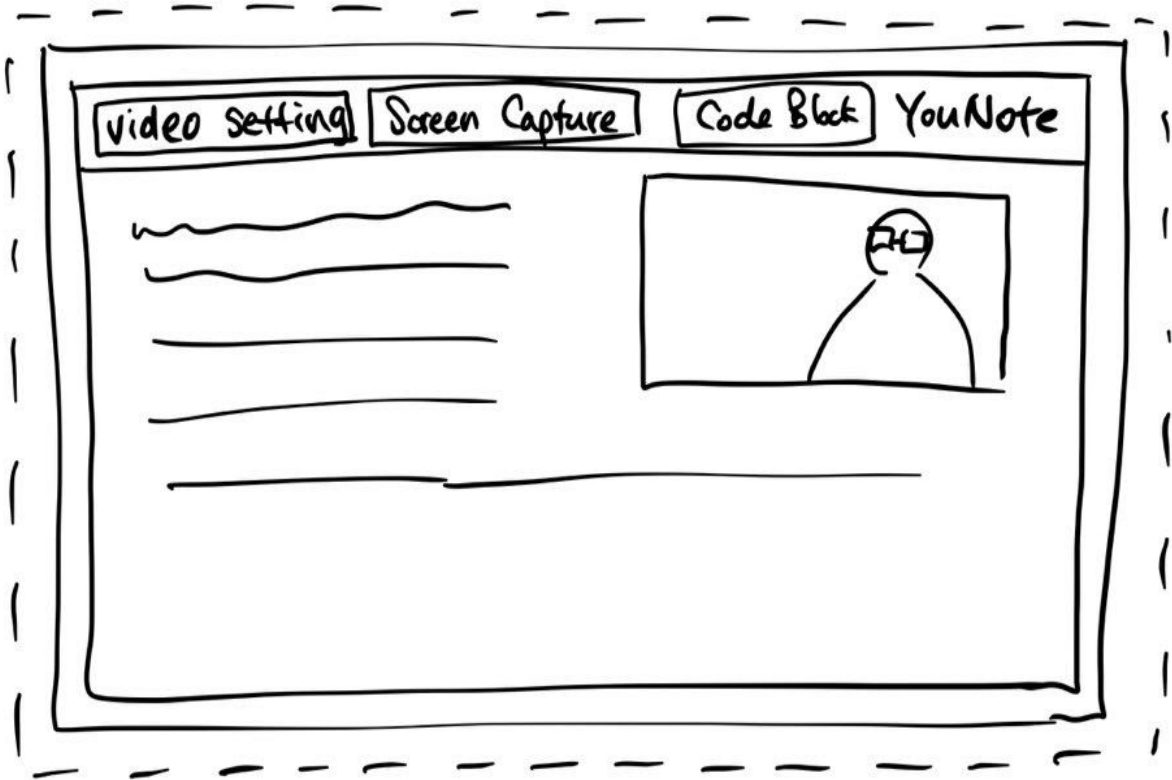
-Task 1-4 (Resizing a screen)

- A user can take a note on a separate window. A user can resize a note screen by dragging a corner of a note.



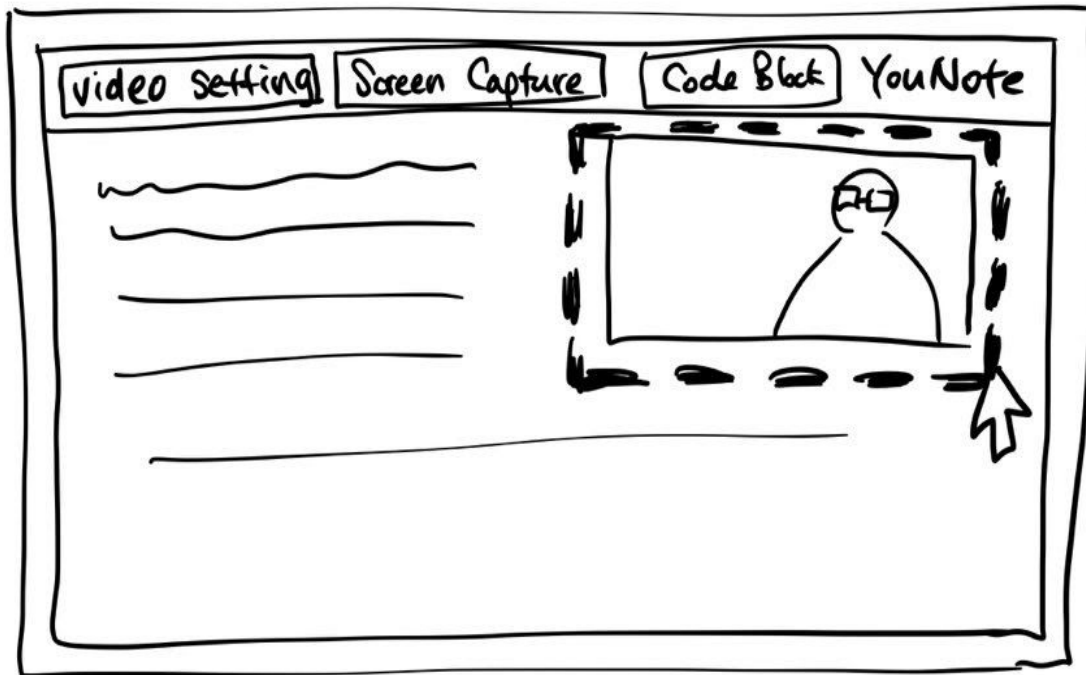
-Task 2-1 (Screen Capture)

- Capture the entire screen when the user presses the “screen capture” button on a toolbar. The captured image is automatically saved in the clipboard.



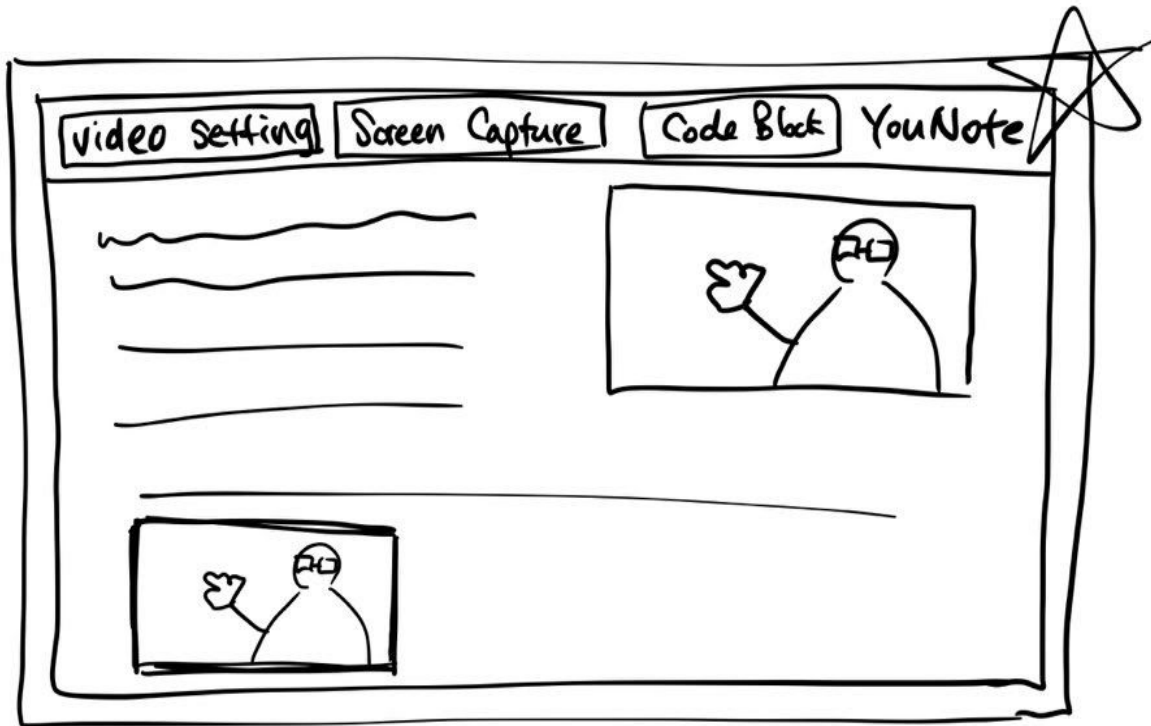
-Task 2-2 (Screen Capture)

- Capture the partial screen region that is selected by the user.
- Captured screen is automatically stored in the clipboard



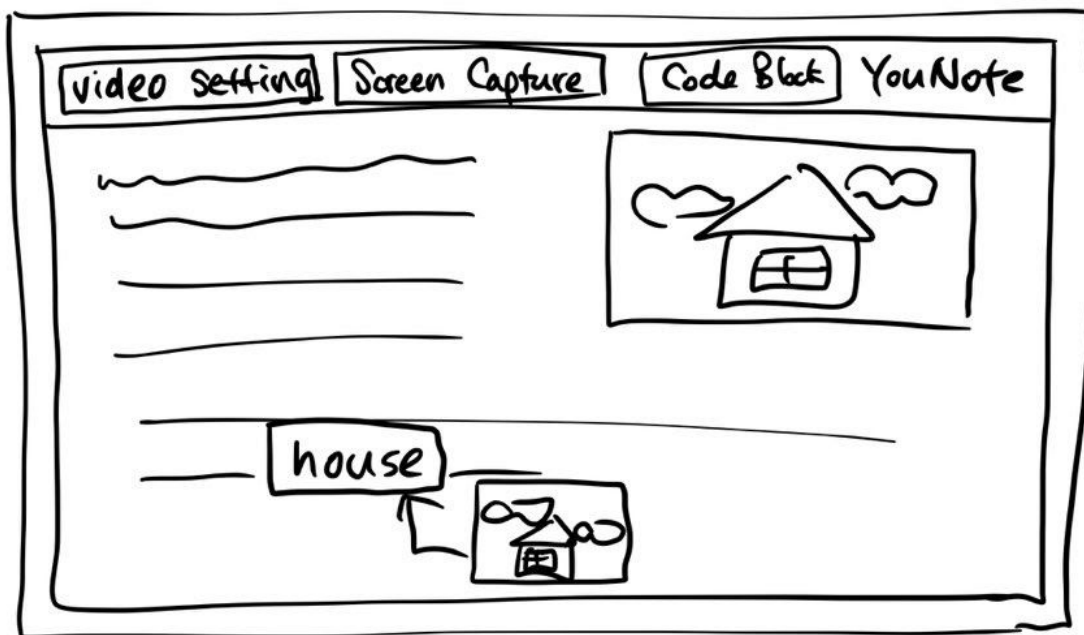
-Task 2-3 (Screen Capture)

- Capture the video when the user presses the “screen capture” button on a toolbar.
- Captured image is directly attached to the note.



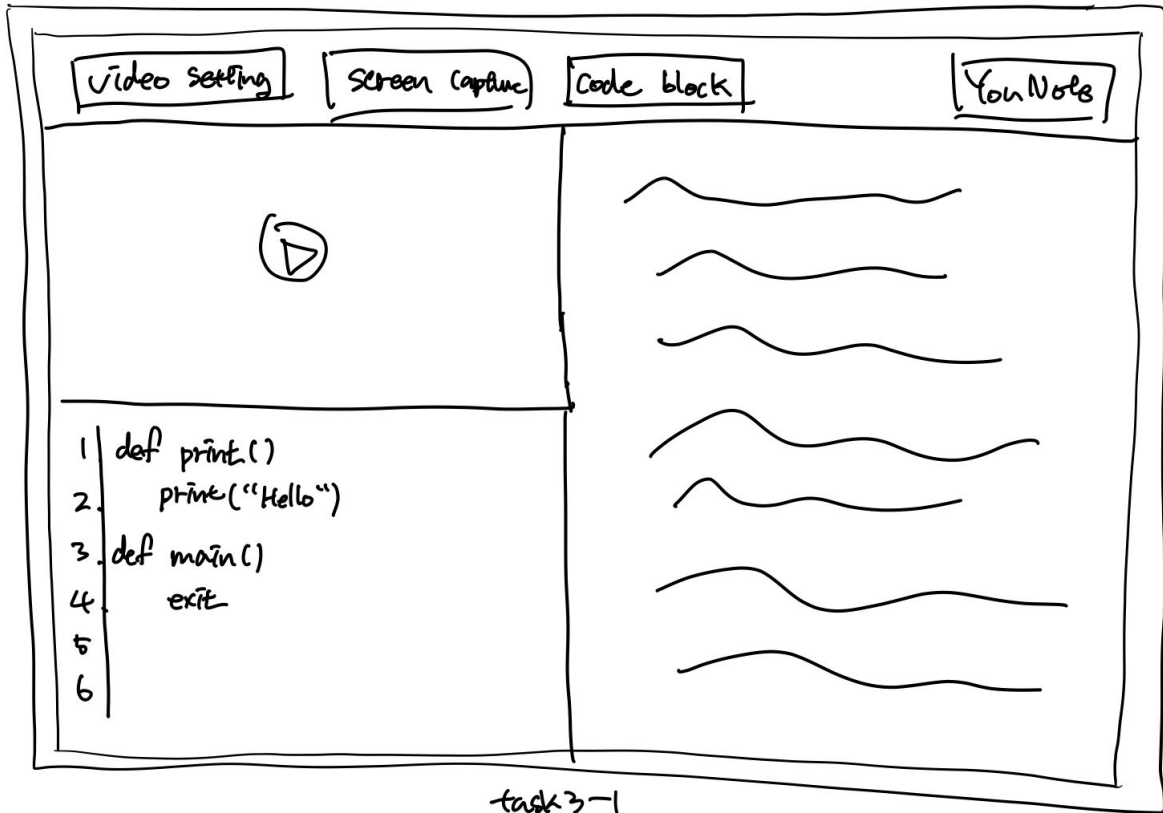
-Task 2-4 (Screen Capture)

- Highlight the word or a block of text and click the 'Screen Capture' button. Then the video screen is captured.
- When a user clicks a highlighted word, a pop up shows a captured video.



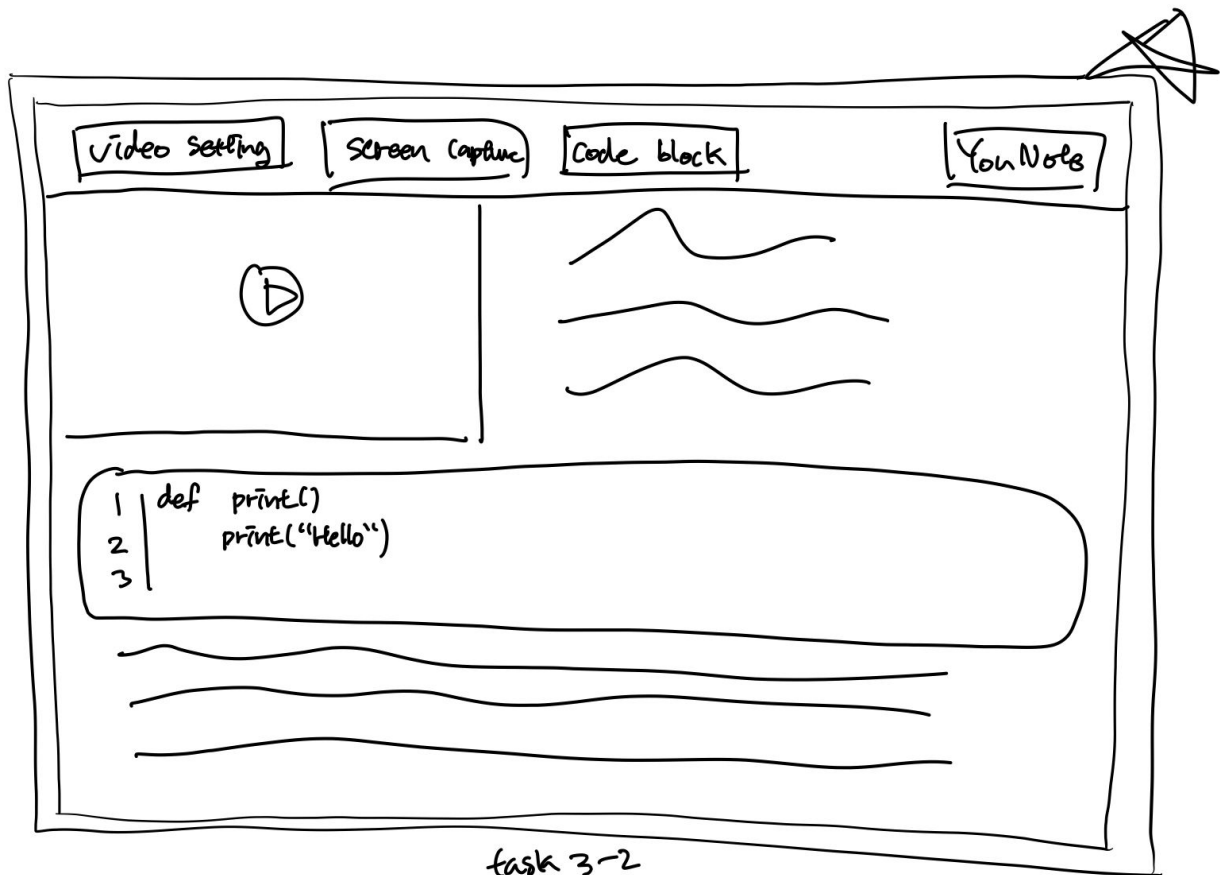
-Task 3-1 (Insert a Code block)

- When a user clicks a 'code block' button, a user can use the bottom left quarter as a code block.



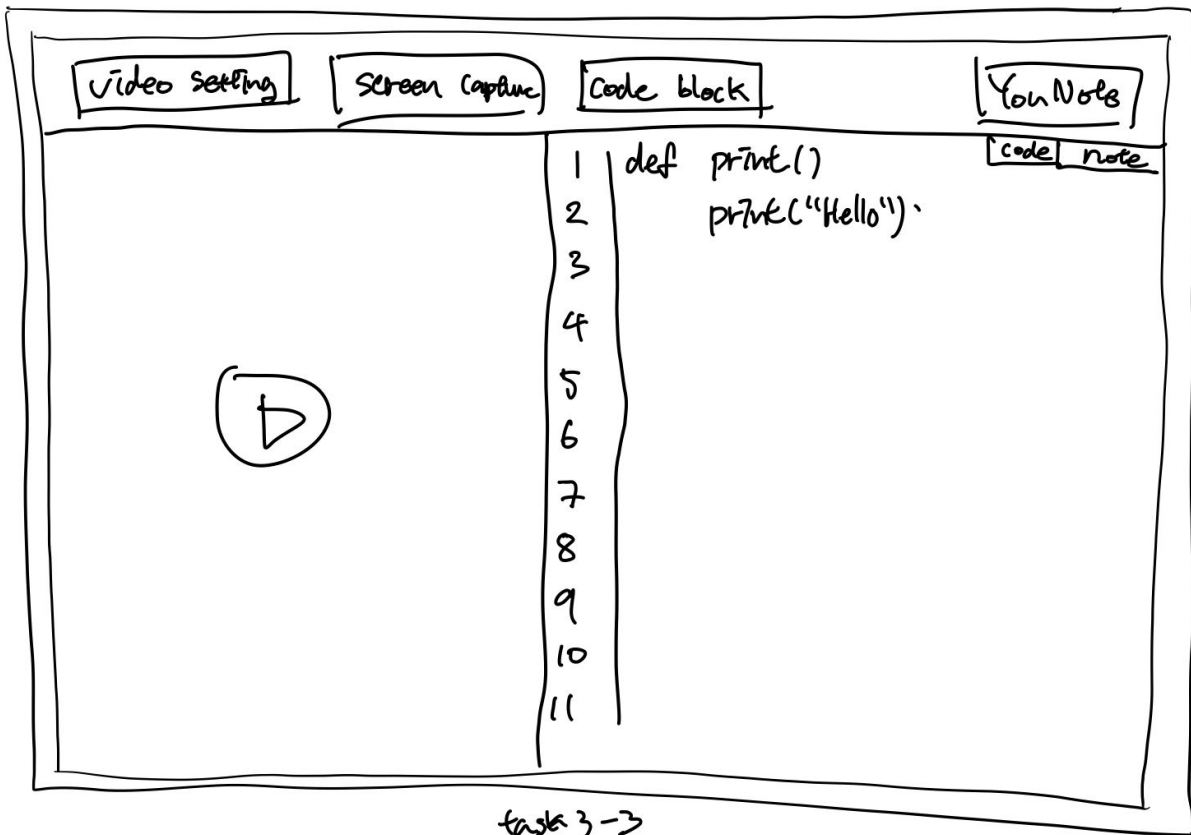
-Task 3-2 (Insert a Code block)

- Whenever a user wants to add a code block to the note, a user can click a 'code block' button to insert the code block inside the note.



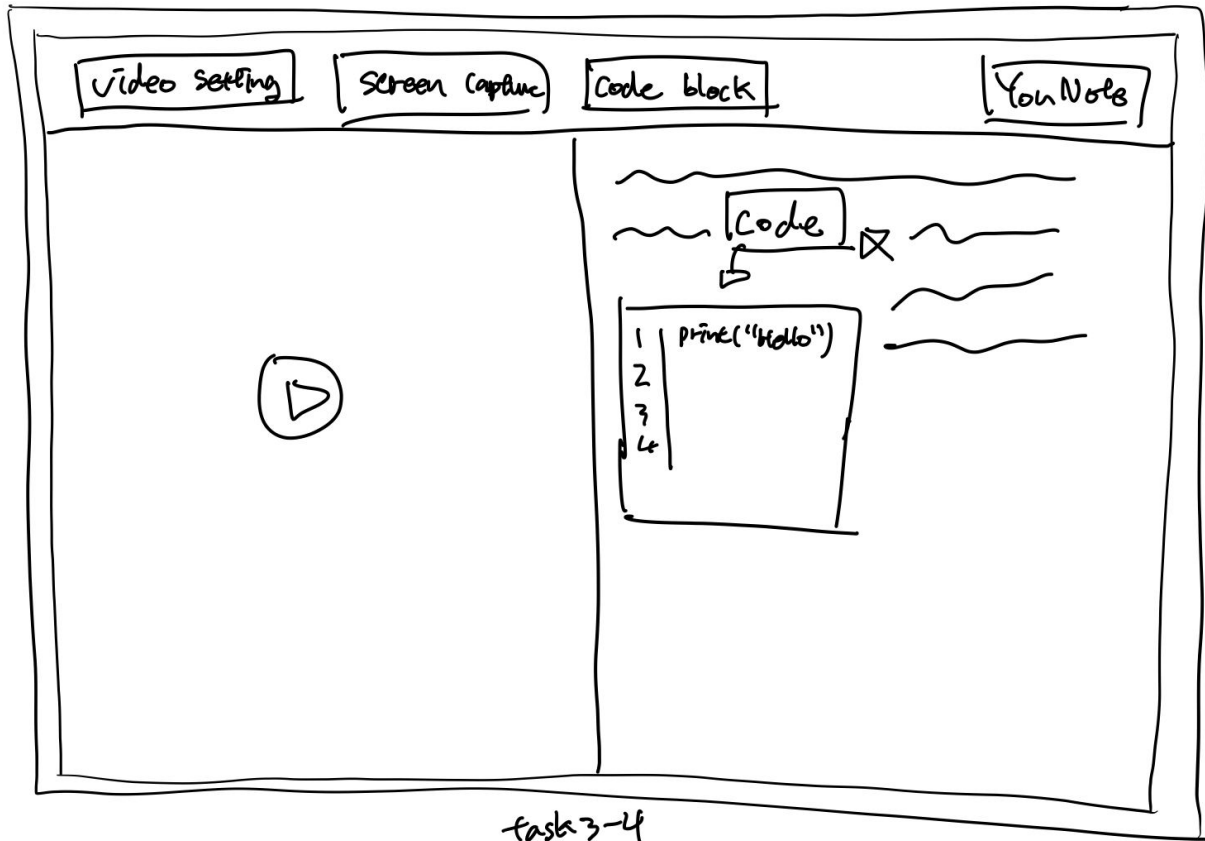
-Task 3-3 (Insert a Code block)

- Left side of the screen is a video and the other side is one of code-block or note-pad. On the right side of the web screen, users can switch between code-block and note-pad as toggling two buttons which are “Code” and “Note”.



-Task 3-4 (Insert a Code block)

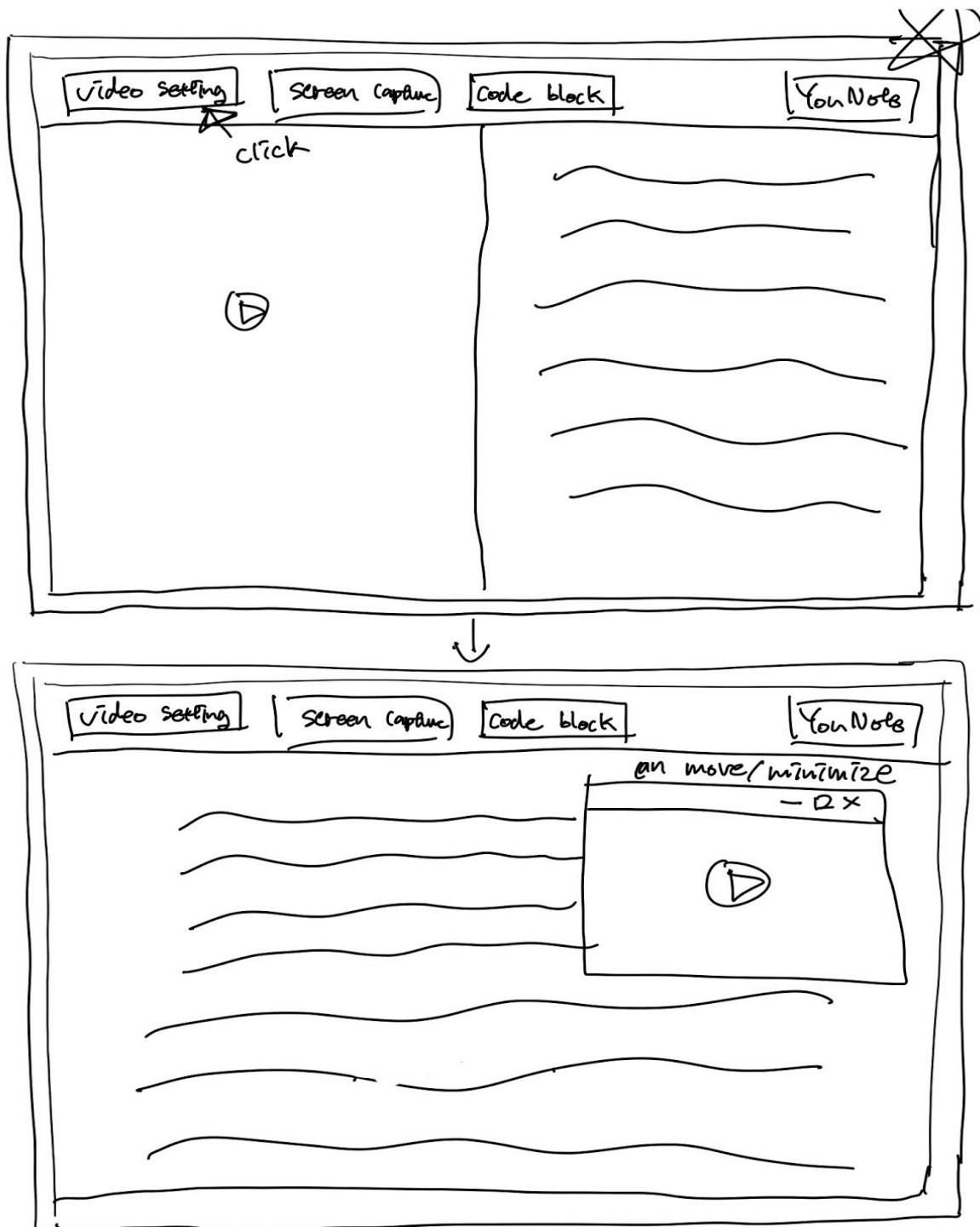
- A user can highlight the word and click the 'code block' button. Then the code block window pops out.



Secondary Interface

-Subtask 1-1

- When a user clicks a 'video setting' button, the video turns into a window mode. Then a user can move, minimize, and maximize the video.



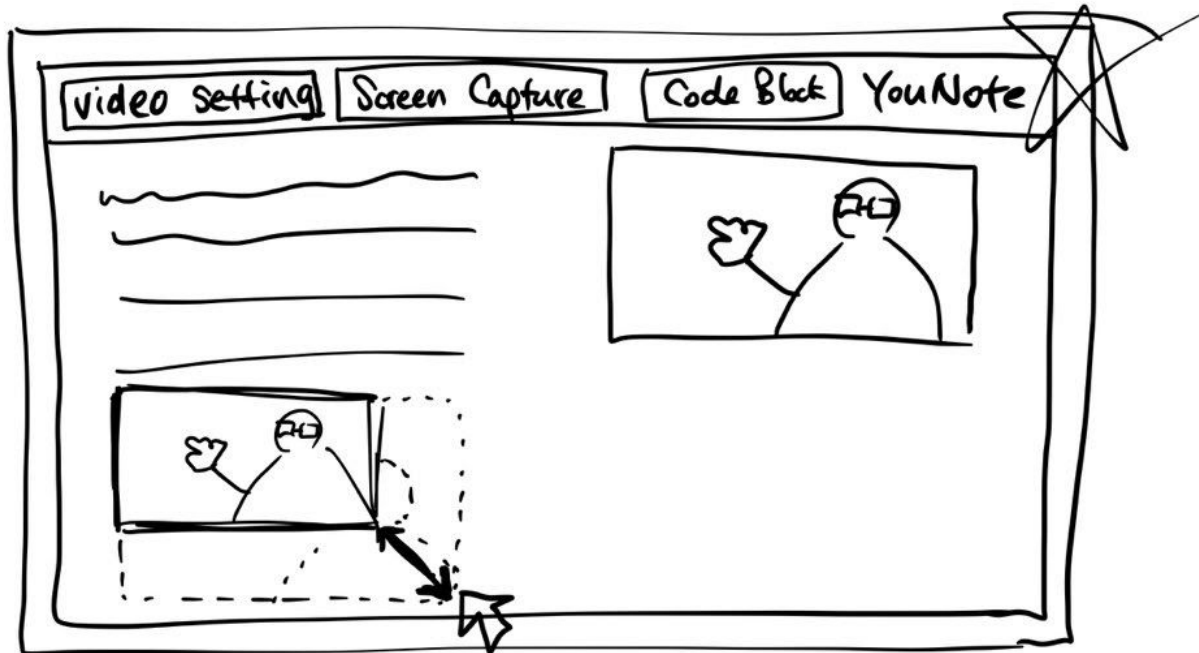
-Subtask 1-2

- When a user clicks a 'video setting' button, a user can watch a full screen video. If a user wants to go back and take a note, he/she can click the button again.



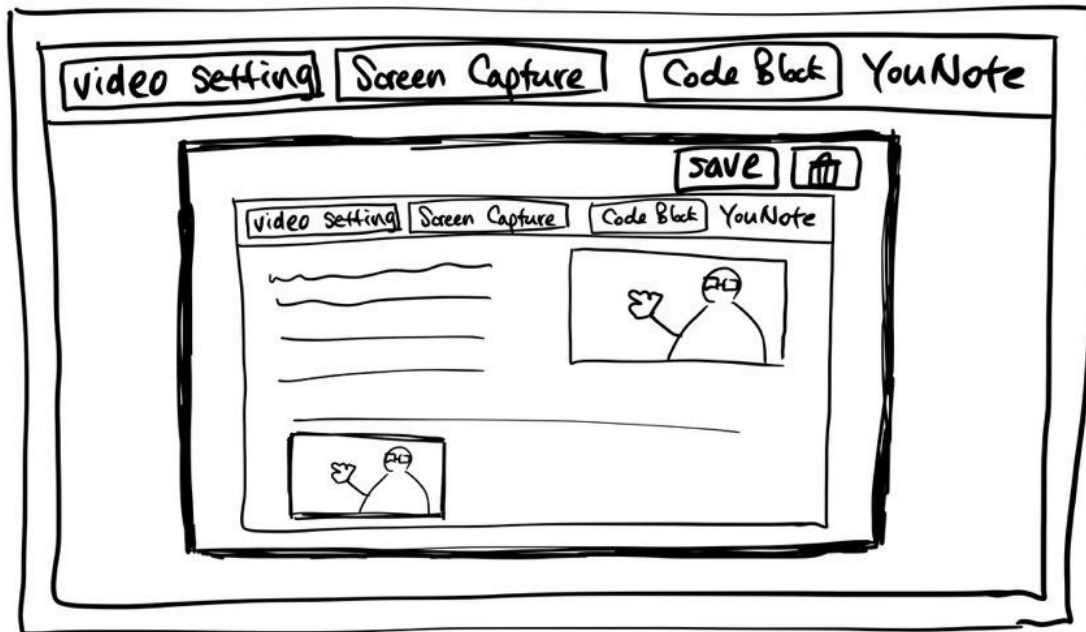
-Subtask 2-1

- A user can resize the captured image after capturing the screen by dragging a corner of an image.



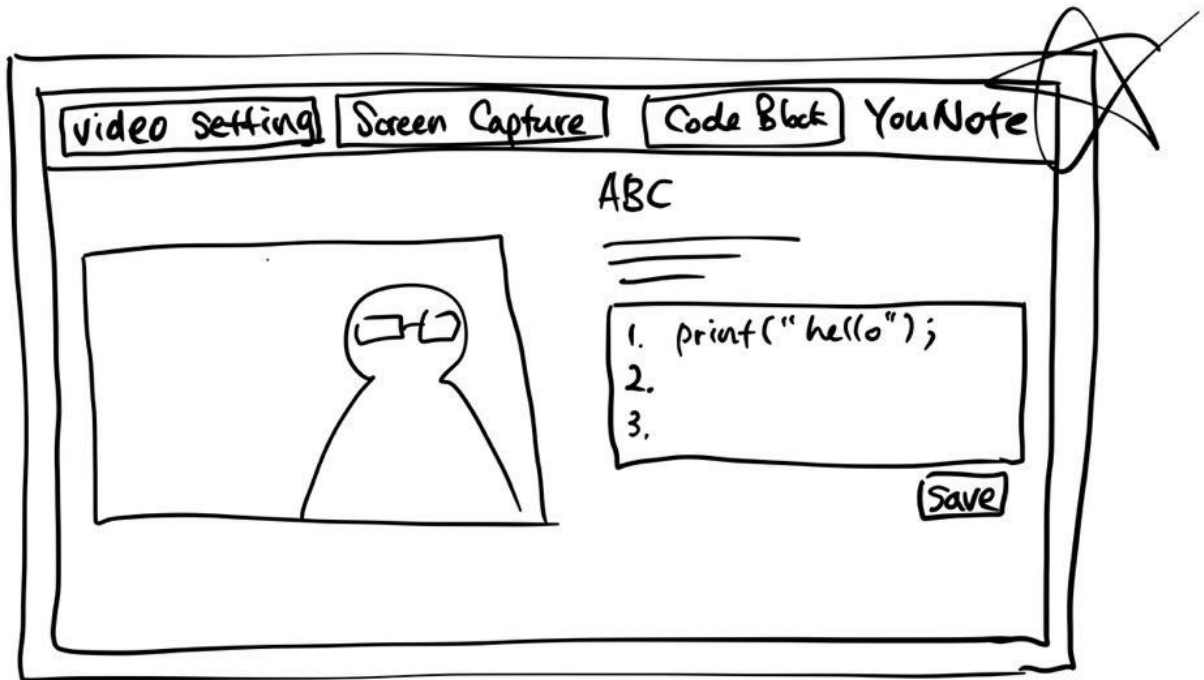
-Subtask 2-2

- The pop-up window comes up after clicking the 'screen capture' button. Then a user can save the captured image or cancel the action.



-Subtask 3-1

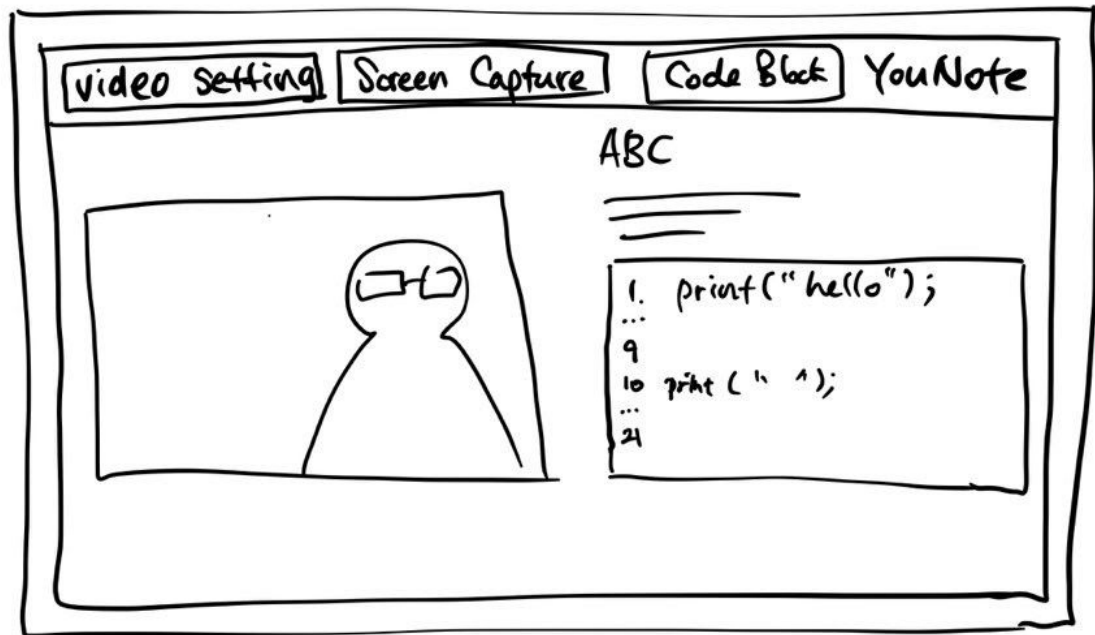
- A user can save the code block independently by clicking a 'save' button at the bottom of each code block.



-Subtask 3-2

- A user can fold the code by clicking the first-line number and the last-line number of the code.

For example, if you click the code line number 1 and 9, every code line between them will be folded. “...” symbol between 1 and 9 means some lines of code are folded.



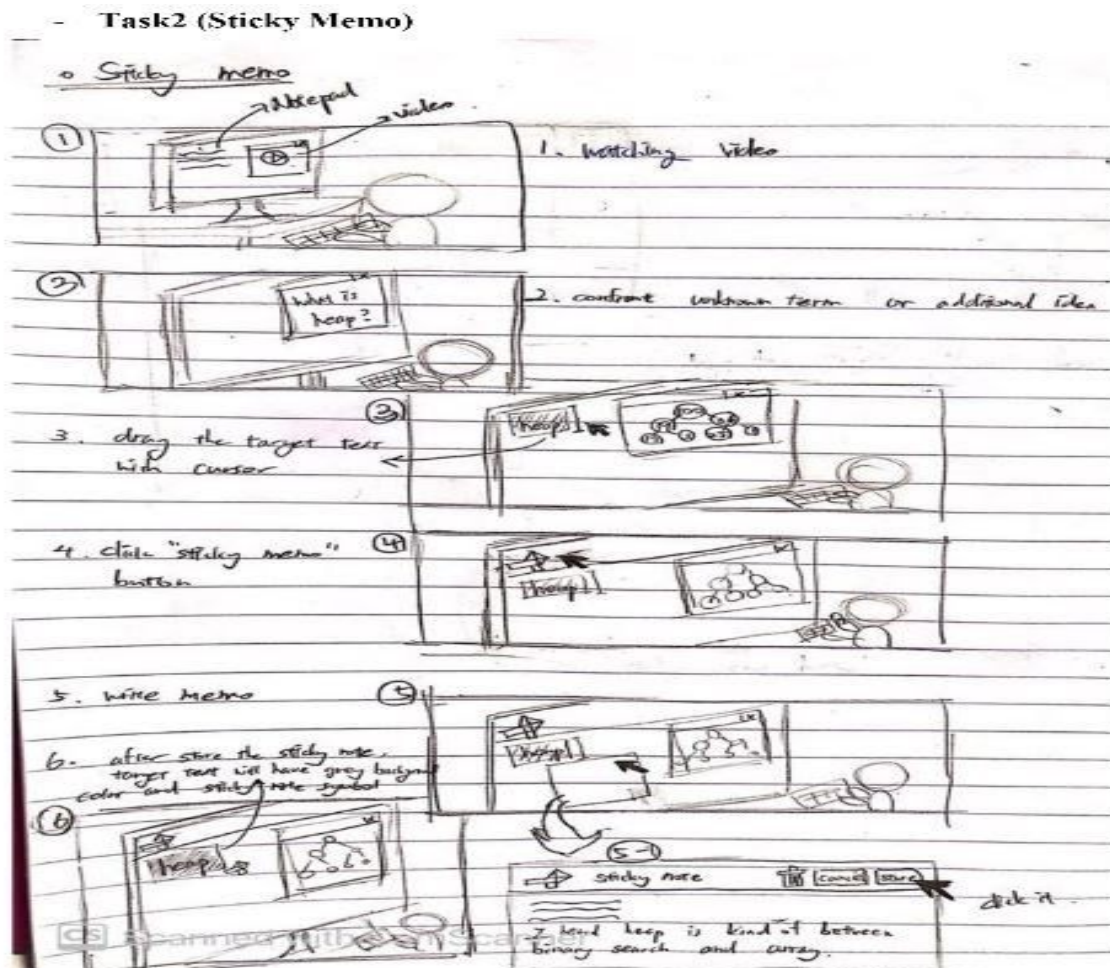
Post-design critique

Feedback:

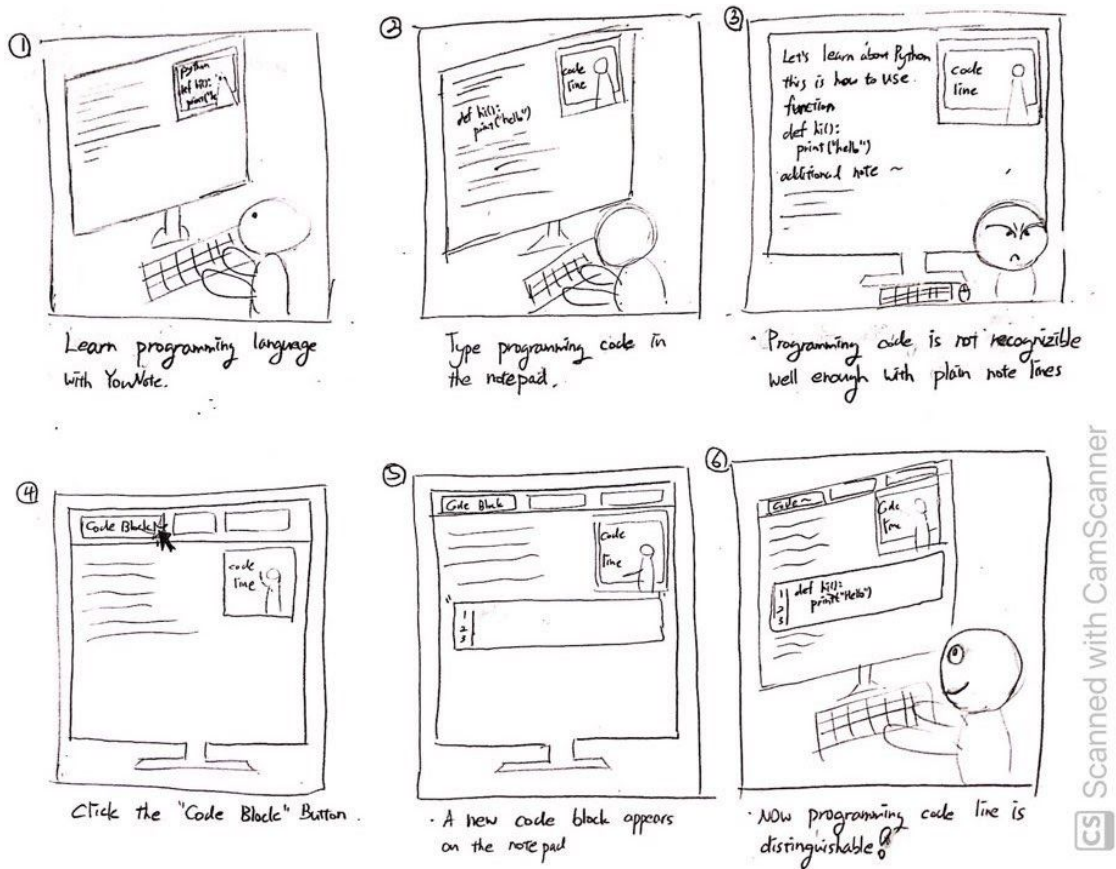
- It would be better if we focus more on CS students for the task.
- It would be nice to decide whether the notes get pushed or not when resizing the screen of a video.
- It would be nice if it comes out for tablet use.
- It would be nice if we can set up sub-categories for the note.

During the design critique in the previous class, tester A said: "Overall functions seem useful as a note-taking application but hard to figure out why this application is for CS students". If the programming code is written in the same format as the note, the code is not distinguishable. Making code conspicuous would be useful for CS students. Among the three primary tasks that we already chose, we determined that adding Code-block function is more useful than the Sticky note function for the CS students.

- Previous storyboard (Sticky note)

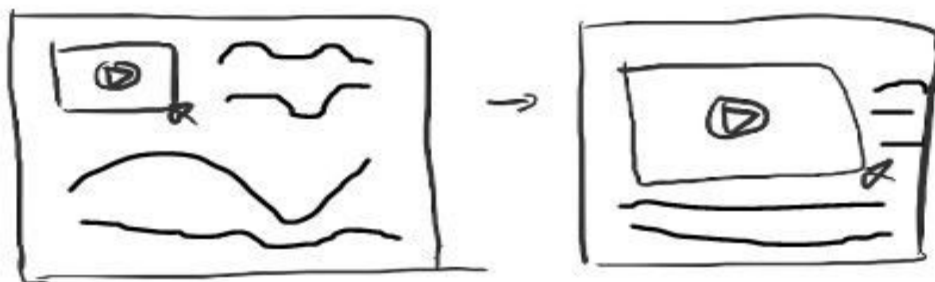


- New updated storyboard (Code block)

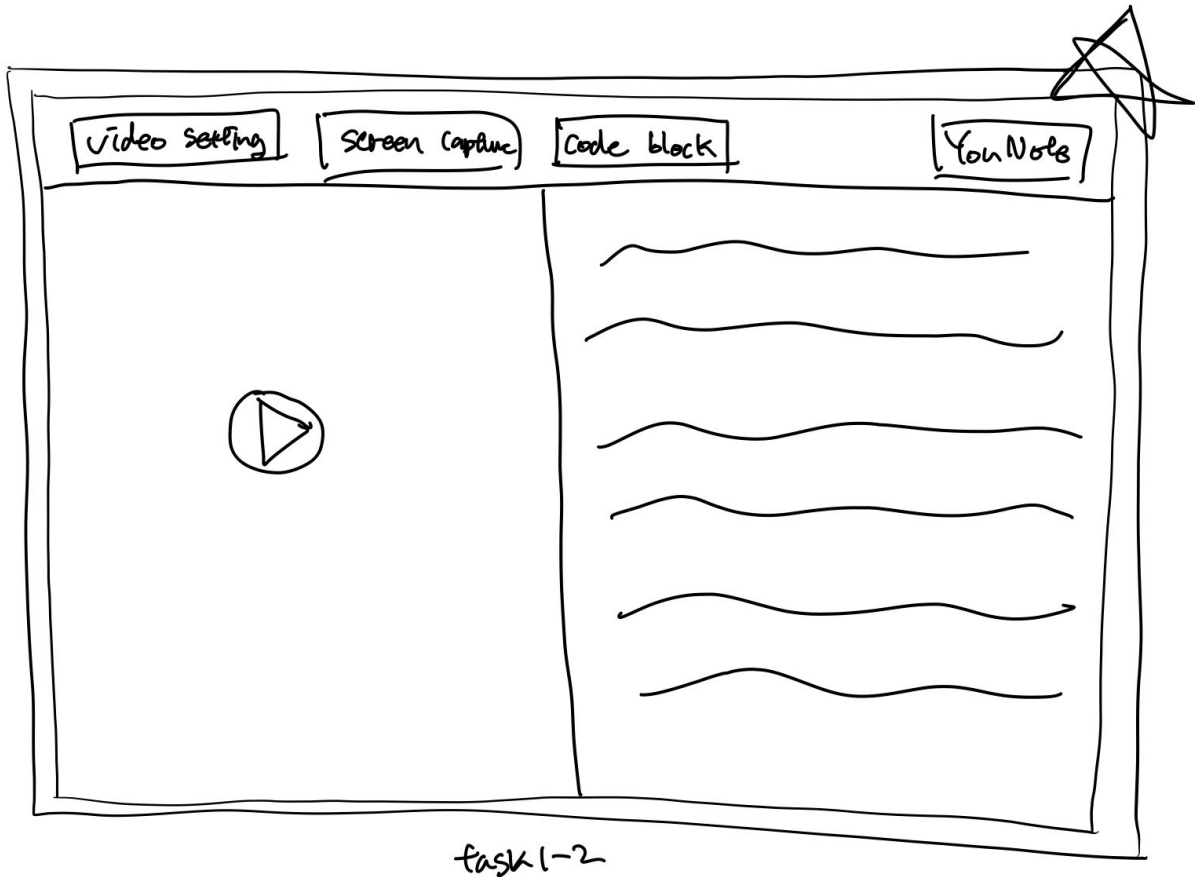


From the feedback that we received, we decided to divide the section of the note and the video. When a user changes the screen size of the video, the layout of the text is broken. If the layout of the note is changed automatically, the outcome might be different from the user's original purpose.

- Original idea: A user can change the screen size of the video. The layout of the note is automatically adjusted as the video size is changed by the user.



- Changed idea: The note side and video side are separated. Even if a user changes the size of the video screen, the layout of the note is not changed.

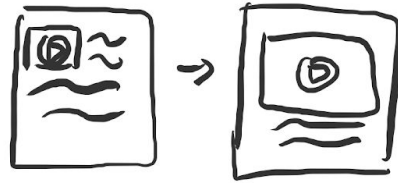


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Task 1

- Video resizing & moving ex)



Task 2

- Sticky Memo



ex) text ~ click

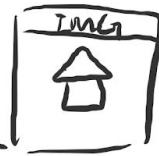


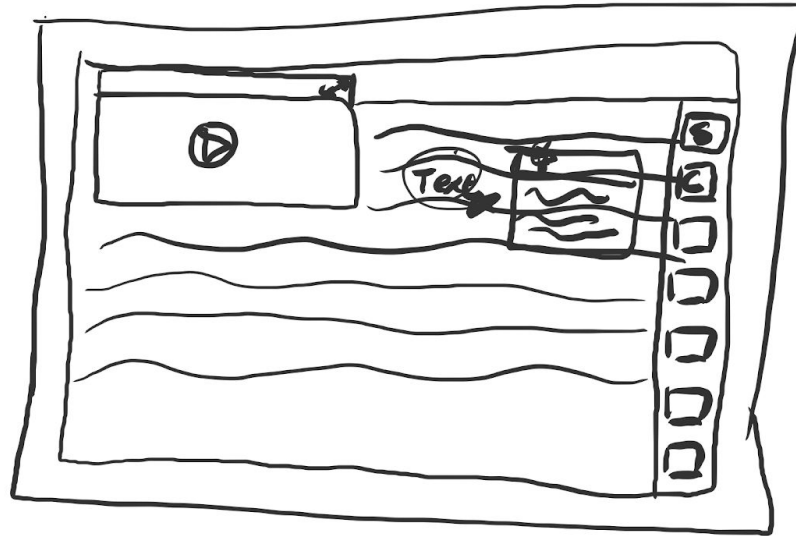
Task 3

- Screen capture

↳ Capture video.

ex) 1. text ~ click

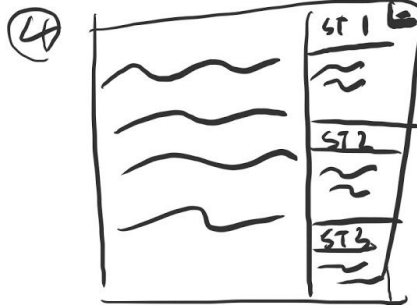
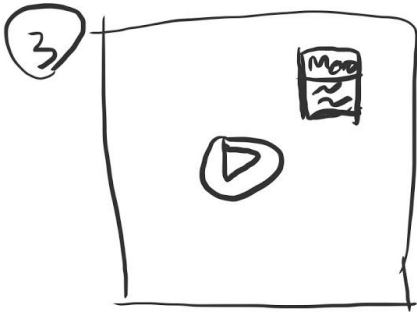
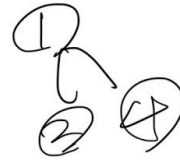
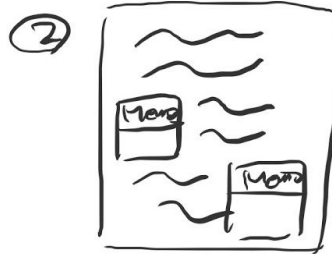
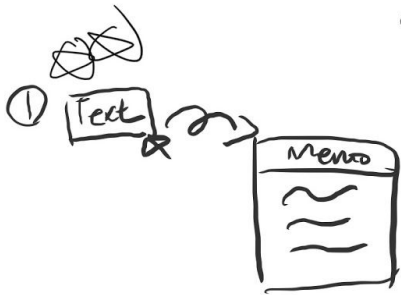




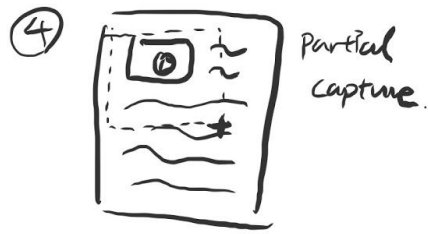
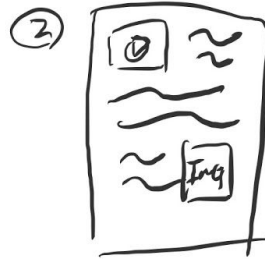
Resize & move ①-②-③



sticky



Screen Capture.



video resizing & moving

1. video too small
2. extend video.
3. Want to write a note
4. small video.



Sticky Memo.

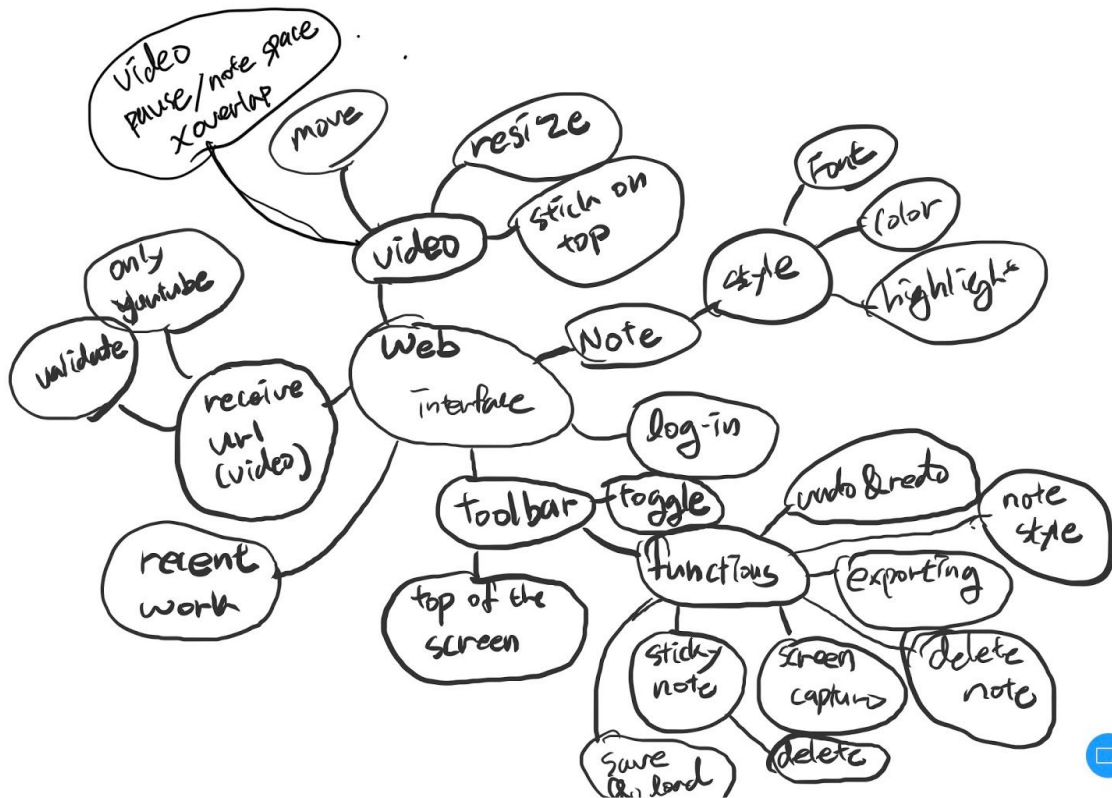
1. watching video
2. unknown term.
11 additional Idea.
3. drag the text
4. click sticky memo function
5. write memo
6. close.



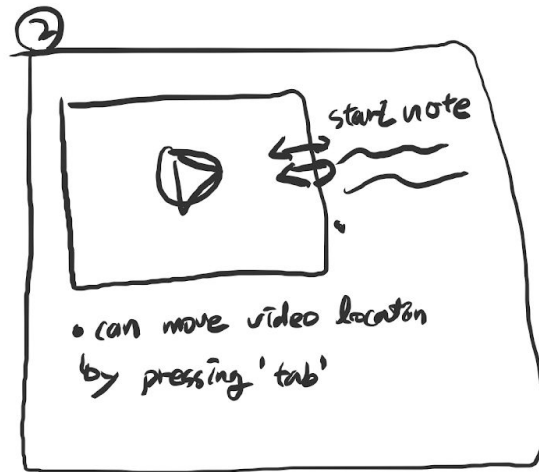
Screen capture.

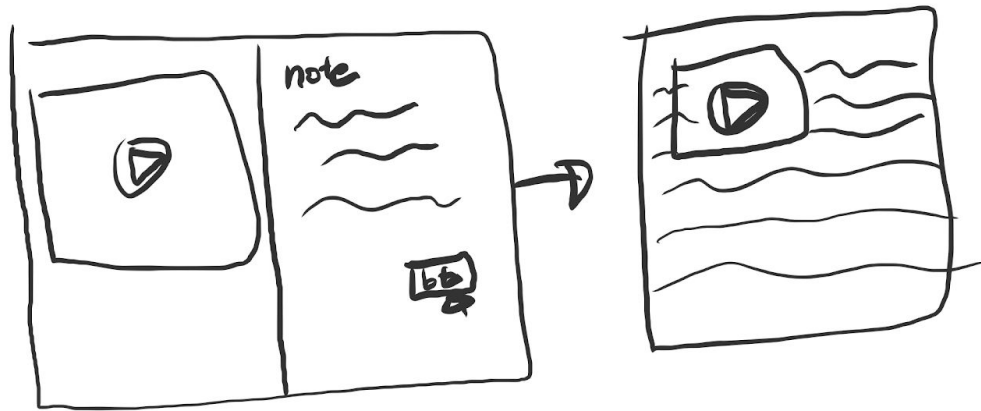
1. watching lecture.
2. Graph, image comes out.
3. Capture the video screen.
4. Click the text, location to put
5. Image attached.
6. Happy face!





move screen.

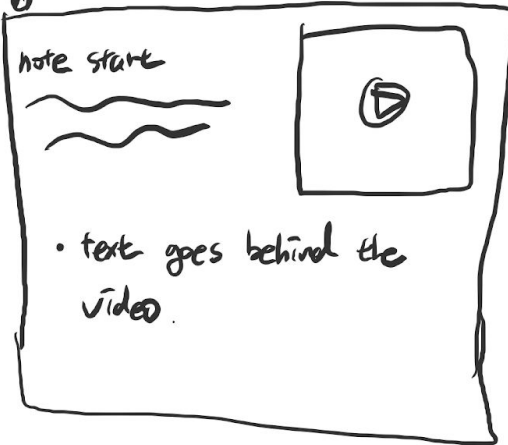




or



③



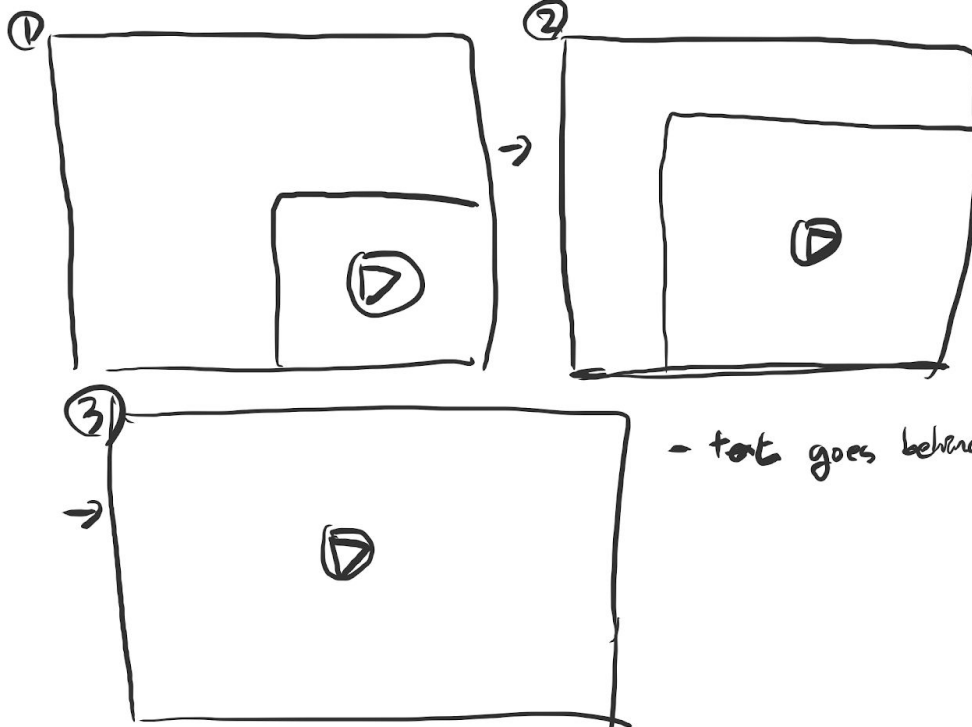
④ user can choose the location of the video when they create the note.

create	
option1	option2 or
option3	option4





resize option



- text goes behind the video.



Task 2 vs Task 4
Sticky Note code block

- For CS students as target users,
code block will be more useful.

Task 1 - Screen move & resize

Task 2 - Screen capture

Task 3 - Code block

↳ core tasks

⇒ Sticky Note → sub task.

