

# YouNote

## Final Report

Team: YouNote

Hamin Lim [hamin.lim@stonybrook.edu](mailto:hamin.lim@stonybrook.edu)

Hanna Jung [hanna.jung@stonybrook.edu](mailto:hanna.jung@stonybrook.edu)

Hyunsoo Kim [hyunsoo.kim@stonybrook.edu](mailto:hyunsoo.kim@stonybrook.edu)

Junghun Park [junghun.park@stonybrook.edu](mailto:junghun.park@stonybrook.edu)

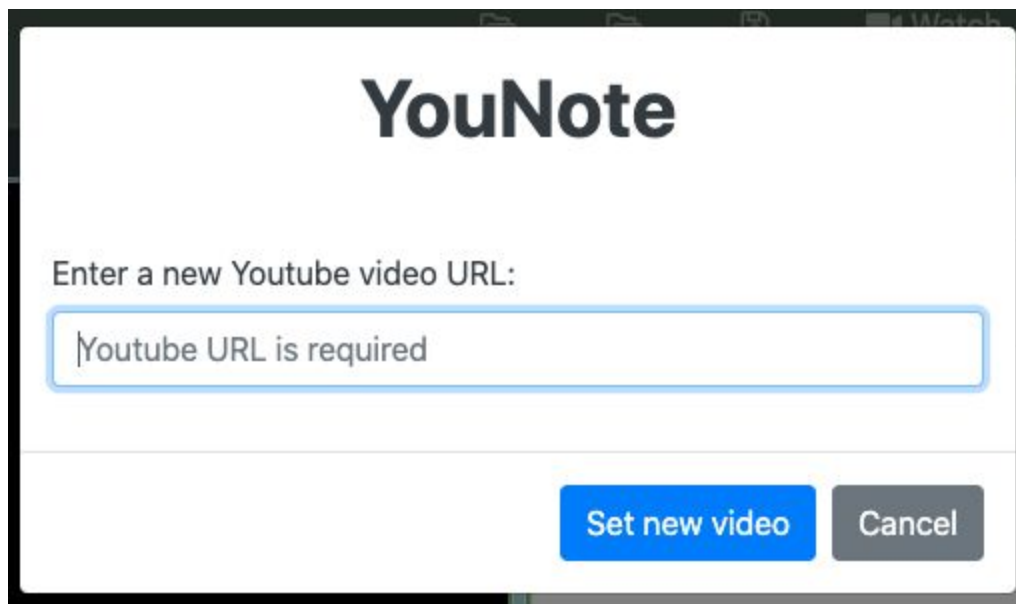
## **Table of Contents**

1. REPRESENTATIVE SCREENSHOTS
  - 1.1. Replace Existing Video with Another Video
  - 1.2. Add a Code Block
  - 1.3. Add a Timestamp
  - 1.4. Note Styling
  - 1.5. Video Resizing
2. CHANGES SINCE ITERATIVE PROTOTYPE 1
  - 2.1. Timestamp
  - 2.2. Save and Open a Note
  - 2.3. Make a New Note
  - 2.4. Set a Title of Note
3. QUALITY ARGUMENTS
  - 3.1. Theme Color
  - 3.2. Adjustable Size of Video and Note
  - 3.3. Insert a Code Block into a Note
  - 3.4. Timestamp
  - 3.5. CKeditor
  - 3.6. Multiple video in one note
  - 3.7. Make a New Note
  - 3.8. Comments from users

## 1. REPRESENTATIVE SCREENSHOTS

### 1.1 Replace Existing Video with Another Video

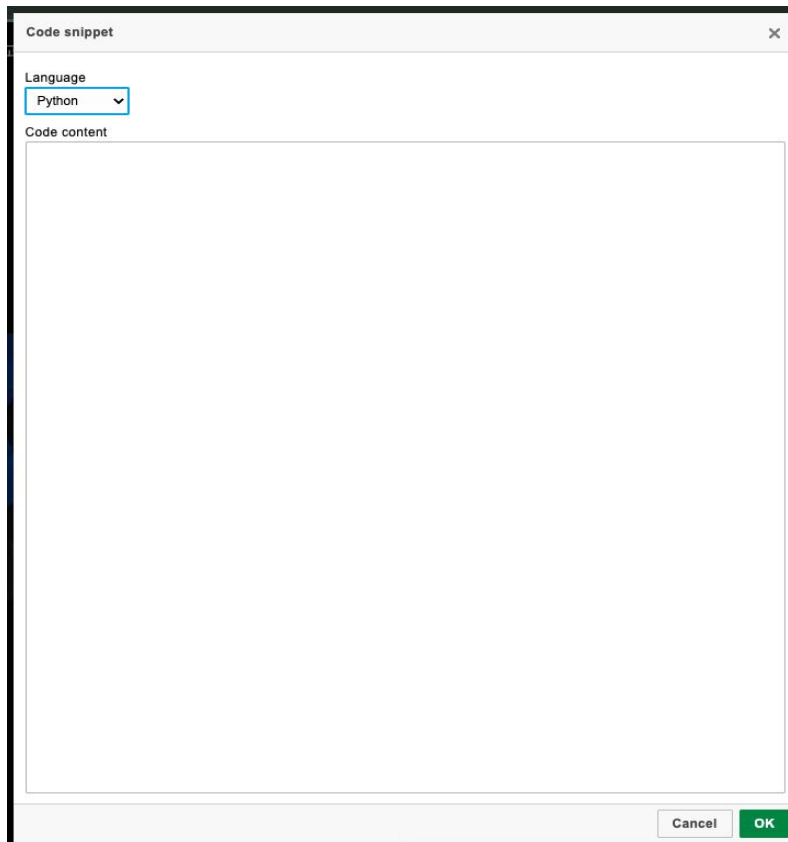
YouNote allows users to take a note on one or more videos. When users click the 'Watch new video' button, a modal window pops up where users can type a new video URL. When users type a new video URL into the input box and click the 'Set New Video' button, the existing video is replaced as a video with a new typed URL.



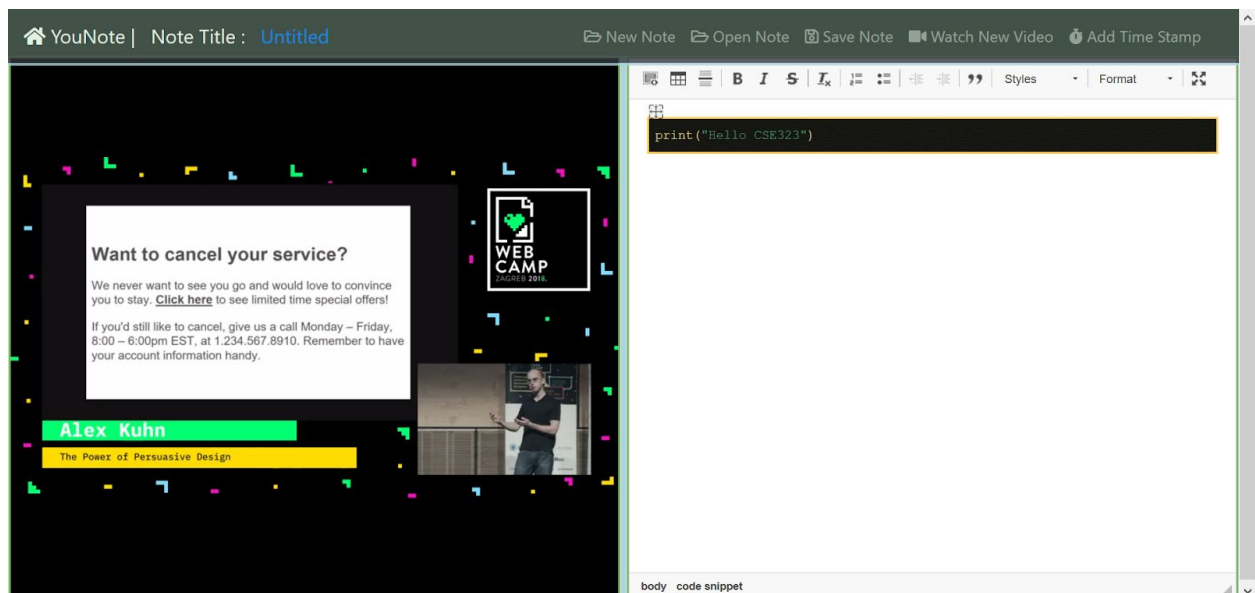
A modal where users can change a video by typing a new URL of a video.

### 1.2 Add a Code Block

Users can add code blocks to their note while they take a note. If users click the 'Code Snippet' button, a new modal window where users can create code blocks pops up. Users can select the desired program language type and write code. Finally, if users click the "OK" button, a black code block into the existing note will be inserted. A code block can be modified by double-clicking it. A code block can be deleted by clicking the code block and pressing the backspace button.



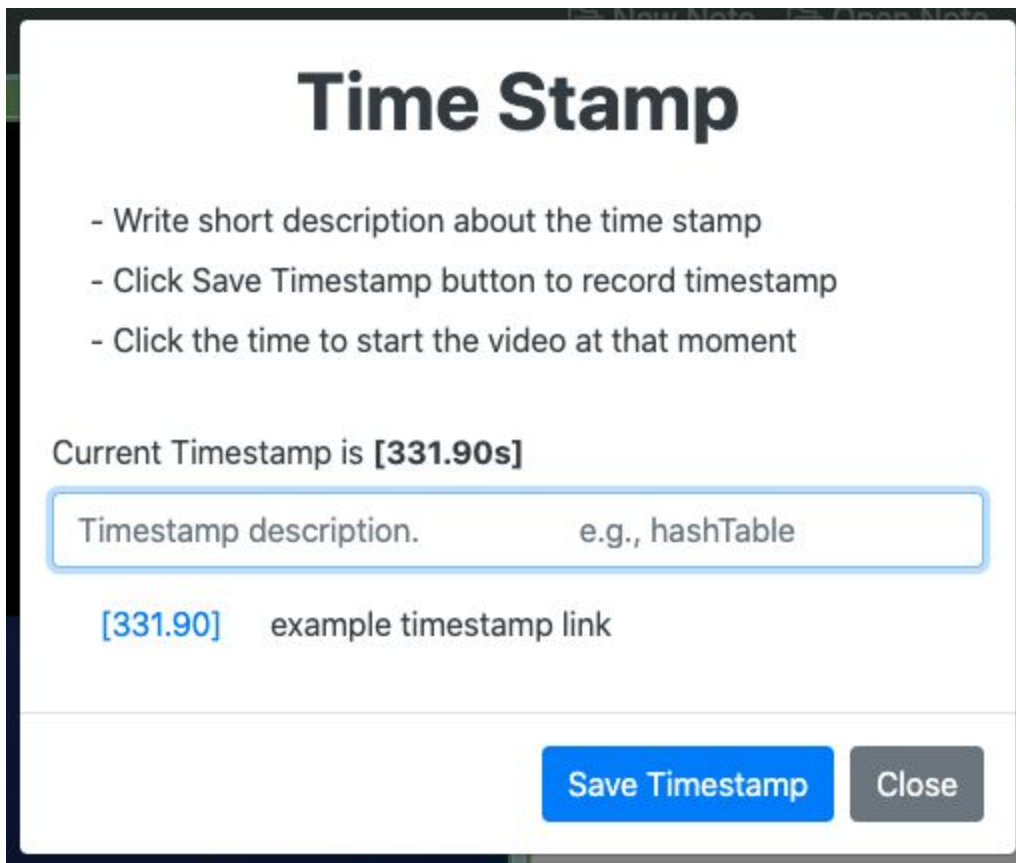
A modal where users can write a code block.



A note with user-inserted code blocks

### 1.3 Add a Timestamp

Users can use the timestamp function by saving a certain time of the video while taking a note. If users click the 'Timestamp' button whether video is playing or not, a new modal shows the time that users wish to save as a timestamp. Users can write down the desired description of the timestamp and press the 'Save Timestamp' button. Users can press the 'Timestamp' button again to save the new timestamp or to go to the saved timestamp. The saved timestamp turns blue and serves as a link to the specific time that user chose. Users can click the timestamp link to start the video at desired time and review the video.



**Time Stamp**

- Write short description about the time stamp
- Click Save Timestamp button to record timestamp
- Click the time to start the video at that moment

Current Timestamp is **[331.90s]**

Timestamp description. e.g., hashTable

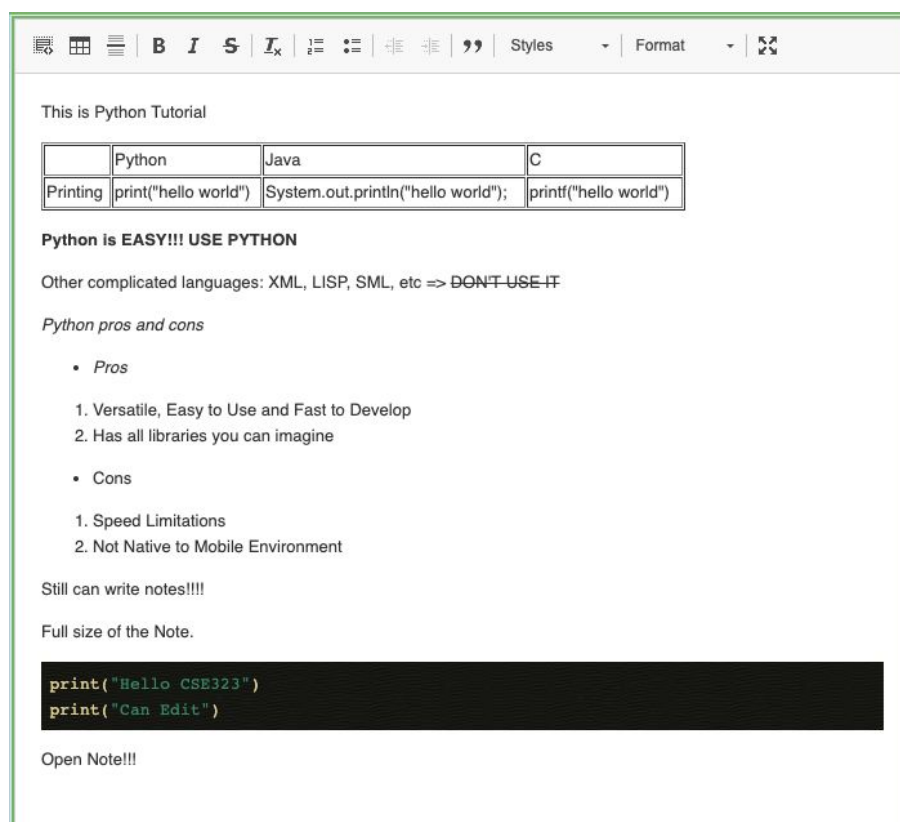
[\[331.90\]](#) example timestamp link

Save Timestamp Close

A modal where users can create and check timestamps

## 1.4 Note Styling

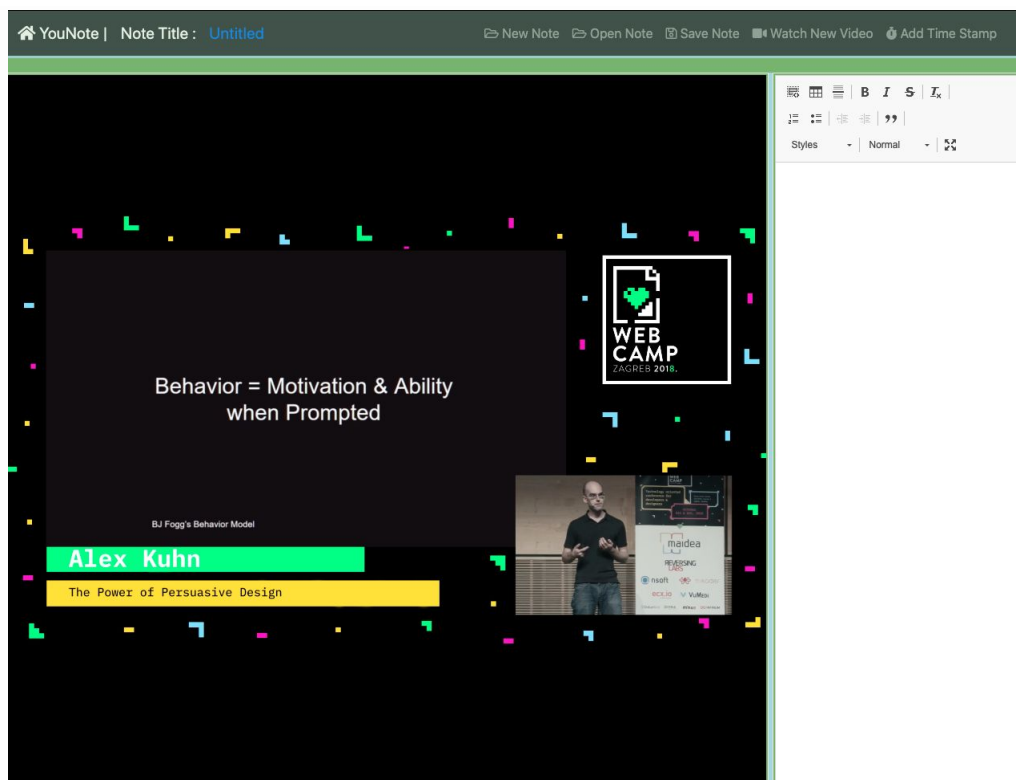
Users can take advantage of many note styling features while taking notes. The top of the note lists the functions available to users. Thus, we focused on making users write a note quickly and comfortably. Instead of providing various font sizes, we made up of tags such as h1 and h2 for a quick change. It also allows users to insert bullet points, block quotes, or tables and use indentation functions to intuitively organize their notes. For the case that users don't want to have font styling at some point, YouNote provides a function to remove a certain font style by dragging content of the note and clicking the remove font style button. These features maximize user convenience



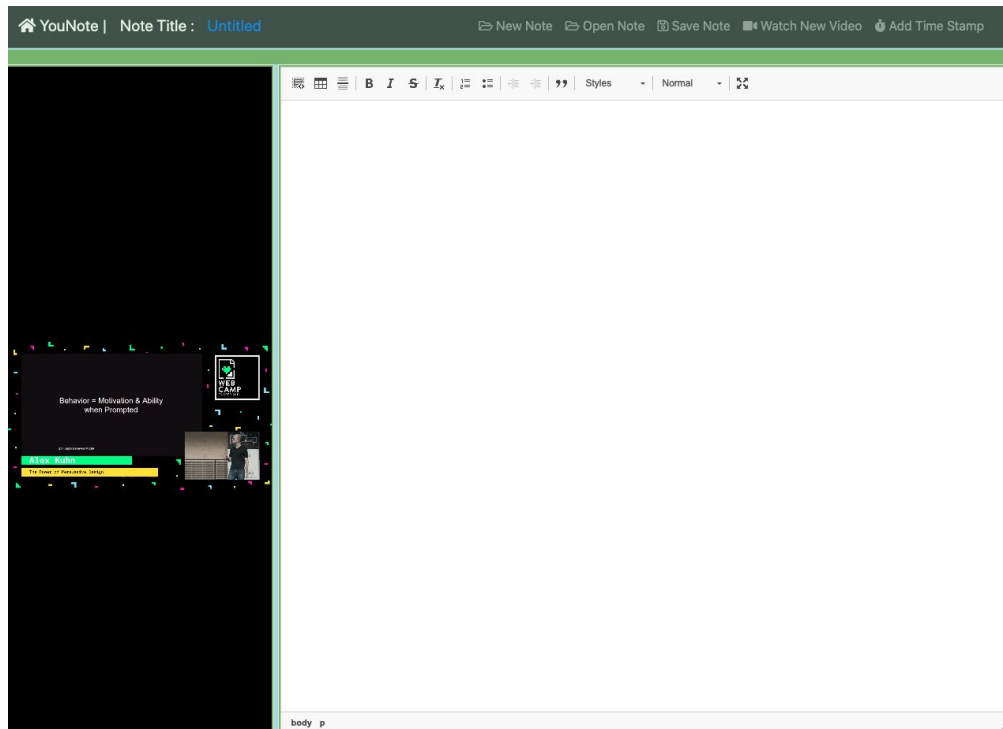
Users can change the style of a note

## 1.5 Video Resizing

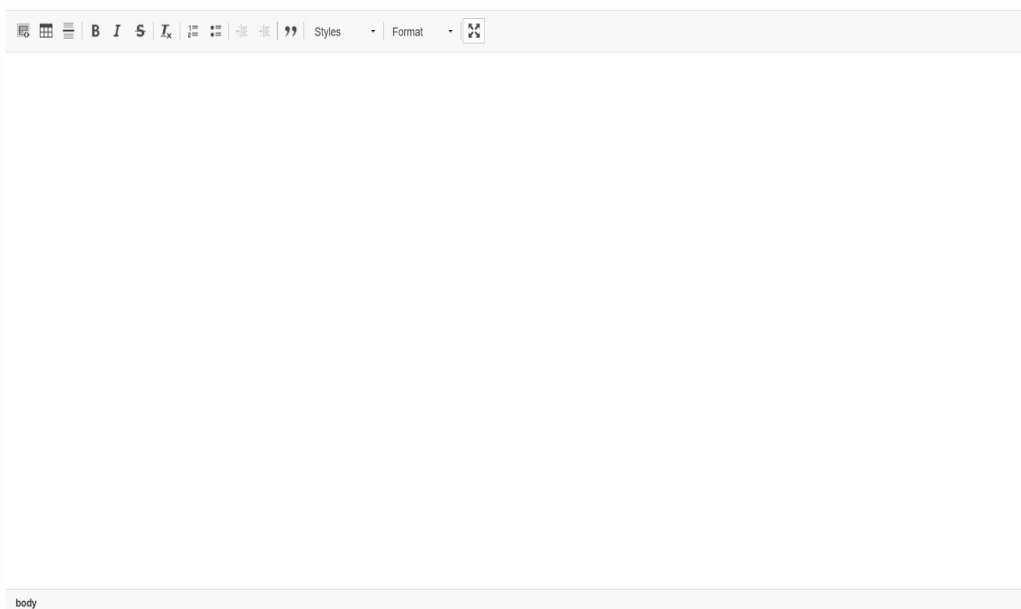
Users can resize videos and notes when using YouNote. Some users may want to watch a widescreen video to get a good look at the contents in the video, while others may want to focus more on the note section. Sometimes they may want a full-screen video or note. Depending on each users' taste, our team made it possible to set the size of video and note by dragging the border of video and note or clicking maximize or minimize button. Thus, while taking notes, users can quickly select videos or notes of any size at any time.



Bigger video screen

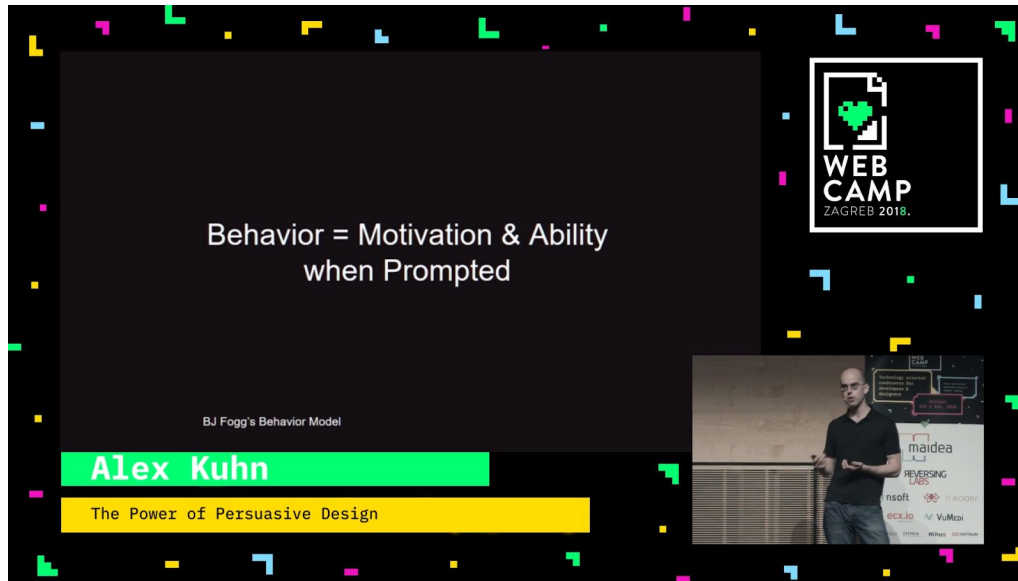


Smaller video screen



Full screen note





Full screen video

## 2. CHANGES SINCE ITERATIVE PROTOTYPE 1

### 2.1 Timestamp

At first, our team was focused more on our primary tasks: video & note resizing, code block, and note styling. However, as we were making progress, we wondered what functions could be most helpful to users while taking notes that were not easily found in other note taking applications. As a result of our discussion, we decided to add the timestamp function to YouNote. Therefore, even if users continue to play new videos, users can jump around to the desired video at any time by using a link in the timestamp that they have saved while taking a note.

### 2.2 Save and Open a Note

Another important thing our team thought of was why users used the note taking app. Our team came to the conclusion that one of the goals of using note taking apps is not to write the notes for one-time use, but to review and modify their ideas later by reviewing the notes again. Thus, we added the Save and Open feature to YouNote. As a result, users do not need to copy the contents in the YouNote and save it to other applications (OneNote or Evernote). Users can save

and open notes from YouNote to review, modify and re-save their ideas at any time.

### 2.3 Make a New Note

If users want to write a new note while using YouNote, they can click the 'New Note' button. In prototype 1, users had to close the app and rerun it to create new notes. But with the capabilities of the new note button, users can create new notes at any time. Users can click the save button before clicking the new note button to save the note that users are currently writing. As soon as they click the new note button, the note they were writing disappears. If users want a new video in a new note, they can type in a new video URL. If they want to watch the existing video in a new note, they can press the cancel button.

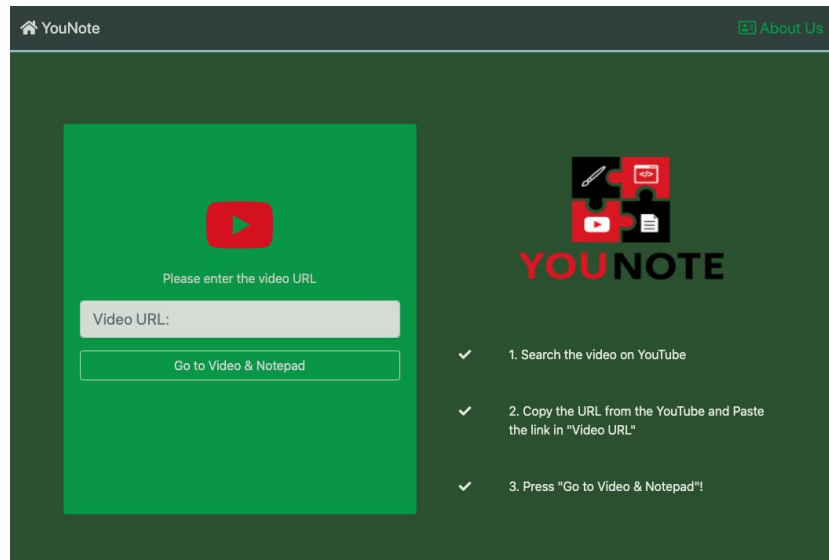
### 2.4 Set a Title of Note

When the note is first loaded, it is designated as an initial title with "untitled". When users click the 'Save Note' button, users can set the title of the video. When the note is opened later, the title of the note appears in blue above the video on the navigation bar. As our team implemented the save note function, we needed to make a title of note. Users can view a list of note titles through the 'Open Note' button. They can click on the note title they want to review and modify.

## 3. QUALITY ARGUMENTS

### 3.1. Theme Color

Our team chose green as the theme color for YouNote. "Human eyes are at the peak of their perception to detect the wavelengths corresponding with the color green, the shade may calm us down. With less strain to perceive the colors, our nervous system can relax when perceiving the tone."(Jamison, 2017, 71) The color green relaxes users' eyes and allows users to feel less tired even if they look at the screen for a long time.



Index page of YouNote

### 3.2. Adjustable Size of Video and Note

Our team looked up other note-taking applications before making YouNote. One note taking app has fixed video at the top of the screen and had to scroll down with the mouse to write a note. Another app allows users to create a small note at the upper right corner of a screen. Our team concluded that some users feel uncomfortable because every person wants a different size of the note and the video. Thus, our team set the video and note to take up 50 percent of the full screen by default, and made it possible for users to set the video and note size as they want.

### 3.3 Insert a Code Block

There are many note-taking applications while watching a video and many note-taking applications that support code-block functions. However, there is no application that users can take notes while watching videos and use code block function at the same time. At first, our team implemented code block function on its own. However, not only the code snippet plug-in in the Ckeditor has better highlights, but it was also easy for users to add and delete code block by using the code snippet plug-in. So we decided to use a plug-in from Ckeditor rather than to use the functions we implemented.

### 3.4 Timestamp

A timestamp function is added to make it easier for users to watch multiple videos for

one note. The users can add a description of the timestamp because it is not efficient to store only time. The timestamp modal lists the time and description simply and neatly. Users can easily re-watch the desired video with desired time by just clicking the timestamp time.

### 3.5 CKeditor

Our team used CKeditor as a note plug-in. Its editor UI buttons are intuitive and make note styling easy. Ckeditor is an easy-to-use note plug-in that combines plug-ins more variously than other open sources. The original CKeditor provides more functionality than youNote has. However, for intuitive and easy use, our team reflected the opinions from the interactive prototype testing in-class, extracting only the useful features.

### 3.6 Multiple video in one note

At first, one video could be viewed on one note. Based on our team's experience, however, our team recognized that we watch many videos when we study a single topic. The note that users were writing does not disappear when they change a video to another video. Users can watch a number of videos that fit a single topic while writing one note. The timestamp feature also makes it more convenient to watch multiple videos more efficiently.

### 3.7 Make a New Note

While we tested the prototype, we found that the only way to create new notes was to close and reload the app and write the new one. Thus, we made a button to create a new note. Therefore, users can save their notes that they have been writing and quickly create new one. This added convenience by allowing users to create new notes without having to always present new videoURL.

### 3.8 Comment from users

- User1
  - “In the previous prototype, it was a little inconvenient to choose the video size only as a fixed option, but now I’m so satisfied that I can adjust the video size as I want.”
- User2

- “I used to think about the function of going back to the point of time when I took notes while watching the video, but I am very satisfied that the function is actually implemented.”
- User3
  - “When I used to study coding, I always wished only the code part on the notepad had an IDE effect. YouNote made it!”

### Work Cited

Jimison, Robert. "What It Really Means to See Green." *CNN*, Cable News Network, 5 June 2017, [edition.cnn.com/2017/06/05/health/colorscope-green-environment-calm/index.html](http://edition.cnn.com/2017/06/05/health/colorscope-green-environment-calm/index.html).