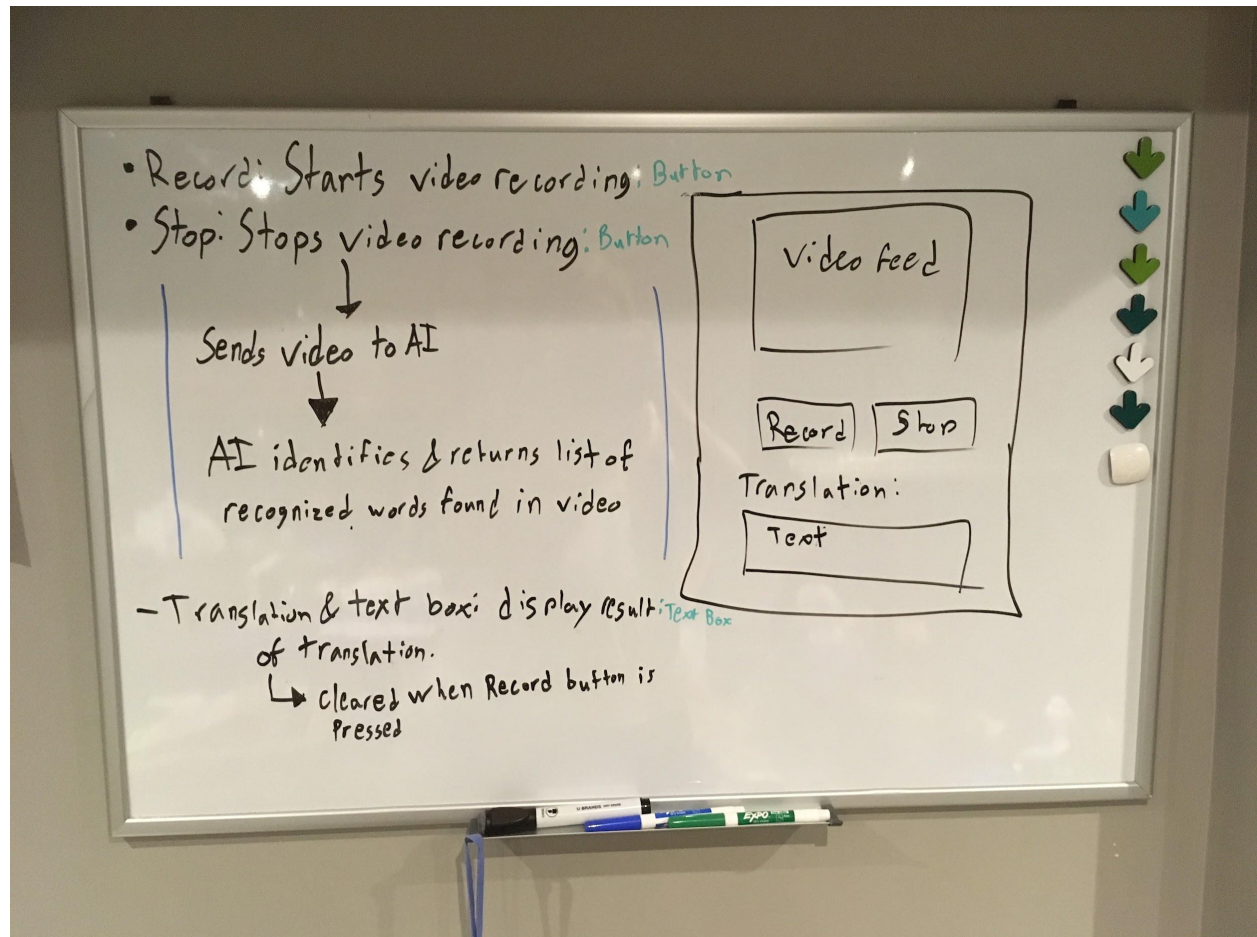


Milestone1:

Paper Prototype:



There will be one main screen on which all user interactions will.

- This screen will access the user's camera and show their video feed while the application is in use. It will also have a 'record' and a 'stop' button, as well as a text-box in which the string translated from sign-language will appear.
- Pressing the record button will start a recording of the signs they wish to translate into text.
- The stop button will stop the recording, at which point we will use the Object-Recognition AI Tensorflow to identify the signs that were made and recognized in the video.
- It will then return a list of the signs as English words in the order in which they appeared in the video and display that list of words on the screen in the translation text-box.

- There will also be a hyperlink to outside resources (see link below) that describe the general sentence structure of American Sign Language in order to aid with the translation, since the sentence structure is different from English.
  - <https://www.uc.edu/content/dam/refresh/cont-ed-62/olli/fall22/class-handouts/asl%20-%202.pdf>

**Code:**

**Video:**