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| **Status Report W5** | **Student: Xin Dong** |

**Accomplishment**

- Write mouse & keyboard command line in Word document as testing document, then convert it to audio file by using online convertor (<https://www.zamzar.com/>).

- Use python speech recognition to read the audio file and convert it to a block of string.

- Identify the microphone speech command “mouse move up/down/left/right” issues, then revised code.

Error:

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| mouse move right 10  Traceback (most recent call last):  File "c:/LWTECH/CSD480-CapStone/Untitled-1.py", line 202, in <module>  success = command.execute()  File "c:/LWTECH/CSD480-CapStone/Untitled-1.py", line 71, in execute  self.move\_relative(parsed[1], parsed[2])  File "c:/LWTECH/CSD480-CapStone/Untitled-1.py", line 60, in move\_relative  pag.moveRel(dist, 0, duration=DURATION)  File "C:\Users\dx200\AppData\Roaming\Python\Python37\site-packages\pyautogui\\_\_init\_\_.py", line 586, in wrapper  returnVal = wrappedFunction(\*args, \*\*kwargs)  File "C:\Users\dx200\AppData\Roaming\Python\Python37\site-packages\pyautogui\\_\_init\_\_.py", line 1298, in moveRel  xOffset, yOffset = \_normalizeXYArgs(xOffset, yOffset)  File "C:\Users\dx200\AppData\Roaming\Python\Python37\site-packages\pyautogui\\_\_init\_\_.py", line 649, in \_normalizeXYArgs  location = locateOnScreen(firstArg)  File "C:\Users\dx200\AppData\Roaming\Python\Python37\site-packages\pyautogui\\_\_init\_\_.py", line 175, in wrapper  return wrappedFunction(\*args, \*\*kwargs)  File "C:\Users\dx200\AppData\Roaming\Python\Python37\site-packages\pyautogui\\_\_init\_\_.py", line 213, in locateOnScreen  File "C:\Users\dx200\AppData\Roaming\Python\Python37\site-packages\pyscreeze\\_\_init\_\_.py", line 360, in locateOnScreen  retVal = locate(image, screenshotIm, \*\*kwargs)  File "C:\Users\dx200\AppData\Roaming\Python\Python37\site-packages\pyscreeze\\_\_init\_\_.py", line 340, in locate  points = tuple(locateAll(needleImage, haystackImage, \*\*kwargs))  File "C:\Users\dx200\AppData\Roaming\Python\Python37\site-packages\pyscreeze\\_\_init\_\_.py", line 249, in \_locateAll\_python  needleFileObj = open(needleImage, 'rb') |

Solution:

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| Cast to integer:  self.move\_relative(parsed[1], int(parsed[2])) |

**Plan for next week**- Split the audio file string block into multiple command sentences, (using key word “mouse” and “keyboard”), store these command sentences in a list, then run the command one by one automatically.

- After audio test file run successfully, create a formal audio file for the project demo. Then test it.