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| **Status Report W6** | **Student: Xin Dong** |

**Accomplishment**

- Split the audio file string block into multiple command sentences, (), store these command sentences in a list, then run the command one by one automatically.

-The string block captured by Speech Recognition contains some additional characters, such as “/”. So added code to remove those additional characters first:

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| r = sr.Recognizer()  with sr.AudioFile(AUDIO\_FILE) as source:      audio = r.record(source)  # read the entire audio file  audio\_command = r.recognize\_google(audio).lower()  audio\_command = audio\_command.replace("-", " ")  audio\_command = audio\_command.replace("/", " ")  audio\_command = audio\_command.replace("\\", " ")  audio\_command = audio\_command.replace(" 00", " 0 0")  audio\_command = audio\_command.split() |

- Using key word “mouse” and “keyboard” to split the audio file string block into a list, which contain a list of individual command start with “Mouse” or “Keyboard”:

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| command\_list = []  s = ""  for word in audio\_command:      if word == "mouse" or word == "keyboard":          if s != "":              command\_list.append(s)          s = word      else:          s += " " + word  if s != "":      command\_list.append(s) |

- After testing the code, it shows a duration is necessary between each command. So added sleep time.

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| for command in command\_list:      capstone.run\_command(command)      time.sleep(3) |

- Current test result is successful as bellow.

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| mouse move to 300 300  You said: mouse move to 300 300. Executing command...  mouse double click  You said: mouse double click. Executing command...  keyboard type this hello world this is my testing script  You said: keyboard type this hello world this is my testing script. Executing command...  keyboard press enter  You said: keyboard press enter. Executing command...  keyboard type this today is monday  You said: keyboard type this today is monday. Executing command... |

- This is the word document which located at 300, 300 on my computer desktop, mouse moved there and opened it, then type in a couple of lines.

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**Plan for next week**- Create an audio file to cover most of the command as demo and test it.

- Plan for a full natural speech command for demo.

- Add necessary comments for the code.