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| **Status Report W7** | **Student: Xin Dong** |

**Accomplishment**

- Practice project demo repeatedly to make sure the voice command works fine.

- Since the Speech Recognition frequently capture wrong words, test repeatedly and recorded video multiple times to make sure it works fine for the presentation.

- Made final audio file for presenting, however, it seems Speech Recognition is not able to capture longer audio file 100% correctly.

- Split audio file to two part to improve speech recognition accuracy.

- Audio file part1 recognize as:

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| --- |
| mouse move to 200 300 mouse right click mouse move down 350 mouse move right 300 mouse left click keyboard type word test mouse moved to 200 300 mouse double click mouse moved to 900 500 mouse right click mouse move down 400 mouse move left 100 mouse move right 120 mouse move up 250 |

Red highlighted words “moved” should be “move”, so revise python code to add line:

|  |
| --- |
| audio\_command = audio\_command.replace("moved", "move") |

After the fix, audio file 1 is recognized correctly:

|  |
| --- |
| mouse move to 200 300 mouse right click mouse move down 350 mouse move right 300 mouse left click keyboard type word test mouse move to 200 300 mouse double click mouse move to 900 500 mouse right click mouse move down 400 mouse move left 100 mouse move right 120 mouse move up 250 |

- Audio file part2 recognize as:

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| --- |
| mouse left click keyboard type word demonstration keyboard press enter mouse move to 780 440 mouse double click keyboard type word this is my project demo keyboard press enter keyboard type this voice controlled automation is fun keyboard hold control keyboard process keyboard release control |

Red highlighted words “process” should be “press s”, so revise python code to add line:

|  |
| --- |
| audio\_command = audio\_command.replace("process", "press s") |

After the fix, audio file 2 is recognized correctly:

|  |
| --- |
| mouse left click keyboard type word demonstration keyboard press enter mouse move to 780 440 mouse double click keyboard type word this is my project demo keyboard press enter keyboard type this voice controlled automation is fun keyboard hold control keyboard press s keyboard release control |

**Plan for next week**- Add part 1 and part 2 audio files both into python code to make sure it runs consistently.

- Test on other keyboard command.

- Capture better videos for project presentation.