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# Uni

*Student Virtual Assistant*



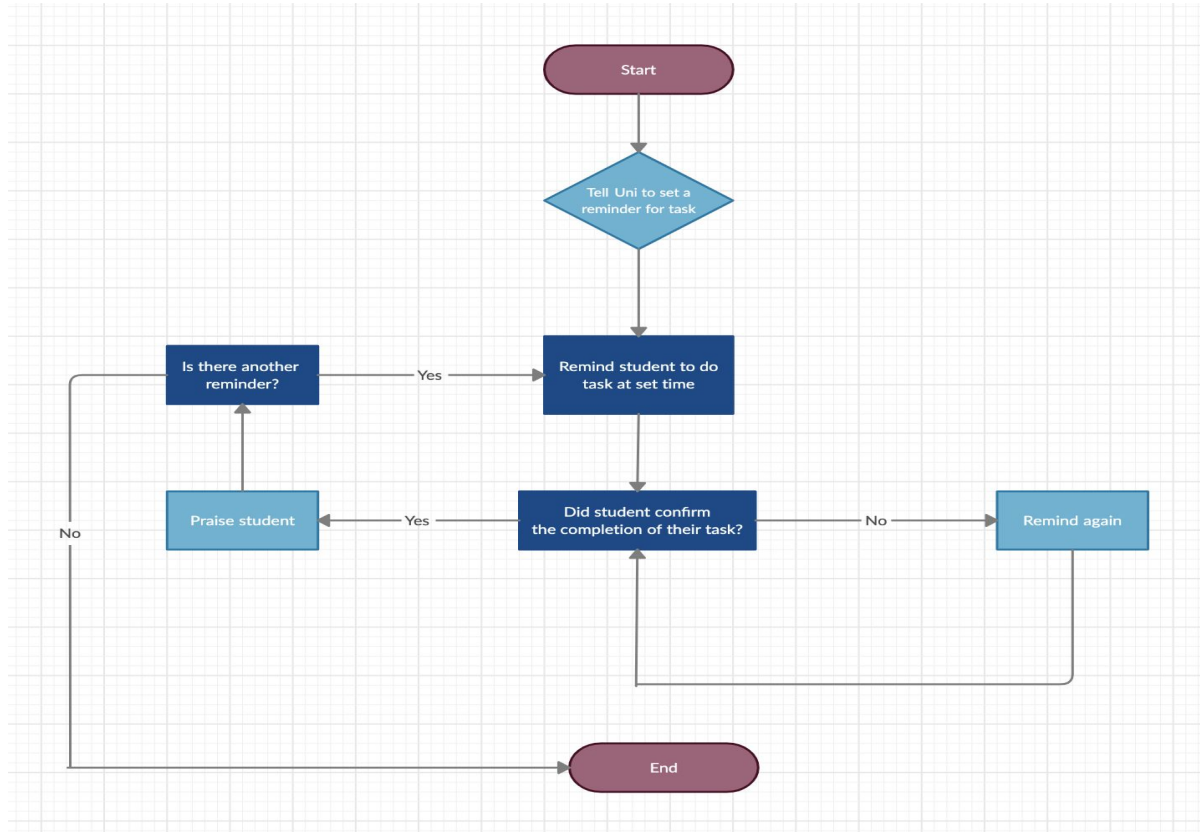
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# Project Goal

- To create a student virtual assistant that is capable of providing students with information that can aid in their success in university/college
  - Sets reminders and alarms, provides information on the weather forecast, tells time, etc.
- Reduce the anxiety around forgetting to complete tasks
- Take away small burdens so that the student can focus on their success in college

# Flowchart



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# Progress

- Downloaded and imported necessary libraries and packages needed to execute code
  - Created helpful functions
    - Date and time
    - Wake up command
    - Uni response to command
    - Greetings
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# Challenges

- Pyaudio and/or Speech Recognition library is not detected on system
  - Libraries are installed to system but,
  - Doesn't capture user commands/voice to Uni

```
Mariams-MacBook-Pro:IS600 Uni mariam$ pip3 install pyaudio
Requirement already satisfied: pyaudio in /usr/local/lib/python3.8/site-packages (0.2.11)
Mariams-MacBook-Pro:IS600 Uni mariam$ pip3 install SpeechRecognition
Requirement already satisfied: SpeechRecognition in /usr/local/lib/python3.8/site-packages (3.8.1)
Mariams-MacBook-Pro:IS600 Uni mariam$
```

```
[Running] python -u "/Users/mariam/Desktop/IS600 Uni/uni.py/uniCommands/commands.py"
Hi, how can I help you?
Traceback (most recent call last):
  File "/Users/mariam/Desktop/IS600 Uni/uni.py/uniCommands/commands.py", line 47, in <module>
    recognizeAudio()
  File "/Users/mariam/Desktop/IS600 Uni/uni.py/uniCommands/commands.py", line 32, in recognizeAudio
    audio = rec.listen(source, timeout=10)
  File "/usr/local/Cellar/python@3.8/3.8.6/Frameworks/Python.framework/Versions/3.8/lib/python3.8/site-packages/speech_recognition/__init__.py", line 618, in listen
    raise WaitTimeoutError("listening timed out while waiting for phrase to start")
speech_recognition.WaitTimeoutError: listening timed out while waiting for phrase to start

[Done] exited with code=1 in 11.684 seconds
```

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# Addressing Challenges

- Downloaded libraries and packages from pypi
  - Made sure libraries downloaded to a location where system can detect it
  - Uninstalling packages and reinstalling
  - Addressed pyaudio issue but speech\_recognition doesn't work
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# Remaining Tasks

- Address audio input issue with pyaudio and speech recognition libraries (Mariam)
  - Create Main program (All)
    - Set reminders
    - Open Google browser
    - Send email
    - Check the weather
  - Connect Uni to student account (All)
  - Testing (All)
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# Group Roles

- John
    - **Project Manager** - oversee the project and make sure that the team delivers the expected outcomes on time
  - Mariam
    - **Quality Control Manager** - validate and verify the delivered reports and programs to make sure that they are of high quality
  - Morgan
    - **Configuration Manager** - store these versions and make sure that backups are taken appropriately
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