Spike: 8
Title: Spike - Goal-Oriented Action Planning (GOAP)

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Goals / deliverables:
- Code
- Report

Technologies, Tools, and Resources used:
- Latest Version of the Visual Studio Code or the Python IDE
- PythonDocs: https://docs.python.org/3/tutorial/classes.html
- W3schools: https://www.w3schools.com/python/gloss_python_class_init.asp
- GeeksforGeeks: https://www.geeksforgeeks.org/python-classes-and-objects/
- Computer/Laptop

Tasks undertaken:
- Download and install the latest version of the Python IDE or Visual Studio Code
- Download and install Git bash terminal
- Use the git bash terminal for and running the code while the code is inside a folder by using the python command

What we found out:
The outcomes that that happened was the robot always had all three of the tasks done and usually under 10 minutes. It relates to the topic because the robot has a GOAP initialised which is to feed all the individuals under 10 minutes.

```
Preparing 5 Dishes: Done
Serving 5 Dishes: Done
Feeding 5 Individuals: Done
Time: 9.69 minutes
All individuals have been fed in under 10 minutes!
```

Open issues/risks:

- The run time is under 10 minutes 90% of the time
- If the time is over 10 minutes, it will still print out that all the individuals have been fed in time
- The risk that can occuer is that the robot may take a very long time to feed all the individuals because it will always print out the robot fed all the individuals in time