306 PROJECT ONE

1. PLAN

- 1.1 WBS
- 1.2 Network Diagram
  - 1.2.1 Estimate times for each task
- 1.3 Gantt Chart
  - 1.3.1 Estimate times for each task
- 1.4 Research
  - 1.4.1 Investigate which type of algorithm to use.

2. CODE

- 2.1 Read in file
  - 2.1.1 Read file from command lline
  - 2.1.2 Read command line options
- 2.2 Process the file
  - 2.2.1 Create the graph data structure
- 2.3 Algorithm
  - 2.3.1 Implementation of A* algorithm
- 2.4 Produces Output
  - 2.4.1 Output as a .dot file
- 2.5 Parallelise
- 2.6 Visualisation
- 2.7 Output the optimal schedule
- 2.8 Optimise algorithm

3. TEST

- 3.1 Create test
  - 3.1.1 Tests for file I/O
  - 3.1.2 Tests for processing sof file
  - 3.1.3 Tests for algorithm (correct output)
  - 3.1.4 Tests for parallelisation
  - 3.1.5 Tests for visualation

4. MANAGE

- 4.1 Commenting
- 4.2 Documentation
  - 4.2.1 Documentation on GitHub
- 4.3 Wiki