

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 line
- 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

4.3 Wiki