**AI-Project-1: Informed Search (Maze)**

**Student Name:** Javid Guliyev

**Student ID:** g34987427

The following report serves as explanation to maze option using informed search. As the informed algorithm of choice was the A\*. Unlike informed search(UCS) where we choose the path with the least cumulative cost of neighboring locations(vertexes) cost without considering distance to goal node, A\* combines estimated cost from current node to goal with cumulative cost from the start to current cost.

The language of choice to for this task was java as the writer of report is comfortable using the languages with strong typing.