Black Box Testing:

| Test | Data | Expected Result | Description |
| --- | --- | --- | --- |
| ShortestPathTests1 | Map dimensions: 25x25, start and destination: (0, 0) | No path (0 points) | Test the shortest path when the start and destination are the same point. |
| ShortestPathTests2 | Map dimensions: 25x25, start: (0, 0), destination: (0, 1) | 1 point route | Test the shortest path when the start and destination are adjacent. |
| ShortestPathTests3 | Map dimensions: 25x25, start: (0, 0), destination: (0, 4) | 5 point route | Test the shortest path when there is a clear straight path between start and destination. |
| ShortestPathTests4 | Map dimensions: 25x25, start: (0, 0), destination: (4, 4) | 9 point route | Test the shortest path when there are obstacles in the way. |