# Cycle 1

| Test ID | Test Description | Test Scenario | Expected Result | Test Result | Remark | Response |
|---------|------------------|---------------|-----------------|-------------|--------|----------|
| S1-ID01 | Rat enters maze. | Maze initialised. | Rat starts at top left, entrance closes, rat begins search, rat doesn't exit through entrance. | Partial Success | Entrance doesn't close. | Fixed. |
| S2-ID01 | Rat navigation. | Rat moves through the maze. | Rat moves in 8 directions, does not repeat positions. | Success | N/A | N/A |
| S2-ID02 | Rat navigation. | Rats movements displayed. | Path clearly displayed. | Partial Success | Path is displayed but unclear. | Fixed. |
| S2-ID03 | Rat navigation. | Rat finds multiple paths to exit. | Multiple paths are displayed | Fail | Only one path found. | Fixed. |
| S3-ID01 | Locating Exit. | Exit exists. | Rat finds exit via DFS. | Partial Success | Finds exit indirectly. | Fixed. |
| S3-ID02 | Locating Exit. | No exit. | Rat explores entire maze, error message produced. | Success | N/A | N/A |

# Cycle 2

| Test ID | Test Description | Test Scenario | Expected Result | Test Result | Remark | Response |
|---------|------------------|---------------|-----------------|-------------|--------|----------|
| S1-ID01 | Rat enters maze. | Maze initialised. | Rat starts at top left, entrance closes, rat begins search, rat doesn't exit through entrance. | Success | Entrance now closes. | No further action. |
| S2-ID02 | Rat navigation. | Rats movements displayed. | Path clearly displayed. | Success | Animation implemented. | No further action. |
| S2-ID03 | Rat navigation. | Rat finds multiple paths to exit. | Multiple paths are displayed | Fail | Fixed clarity of path display. Only one path found. | Fixed. |

| S3-ID01 | Locating Exit. | Exit exists. | Rat finds exit via DFS. | Success | Path to exit displays. | No further action. |
|---------|----------------|-------------|-------------------------|---------|------------------------|---------------------|

## Cycle 3

| Test ID | Test Description | Test Scenario | Expected Result | Test Result | Remark | Response |
|---------|------------------|---------------|-----------------|-------------|--------|----------|
| S2-ID03 | Rat navigation. | Rat finds multiple paths to exit. | Multiple paths are displayed | Fail | Rat stuck in infinite loop. | Fixed. |
| S3-ID01 | Locating Exit. | Exit exists. | Rat finds exit via DFS. | Fail | Caused by S2-ID03 changes. | Fixed. |

## Cycle 4

| Test ID | Test Description | Test Scenario | Expected Result | Test Result | Remark | Response |
|---------|------------------|---------------|-----------------|-------------|--------|----------|
| S2-ID03 | Rat navigation. | Rat finds multiple paths to exit. | Multiple paths are displayed | Success | Multiple paths displayed. | No further action. |
| S3-ID01 | Locating Exit. | Exit exists. | Rat finds exit via DFS. | Success | Rat found exit. | No further action. |