**Test cases**

Consider the sprint task #46 **Testing searching information based on supported data**. Some of the test cases for this task are as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case  # | Scenario | Input(s) | Expected output |
| 1 | Users want to search run by date | date | Show run information for specific date |
| 2 | Users want to search run by time (hour & minute) | time (hour & minute) | Show run information for specific time (hour & minute) |
| 3 | Users want to search run by size of the environment | size of the environment | Show run information for specific size of the environment |
| 4 | Users want to search run by number of regions | number of regions | Show run information for specific number of regions |
| 5 | Users want to search run by number of steps for completion | number of steps for completion | Show run information for specific number of steps for completion |
| 6 | Users want to search run by date and time (hour & minute) and size of the environment and number of regions  and number of steps for completion | date, time (hour & minute), size of the environment, number of regions  , number of steps for completion | Show run information based on those data |

Consider the sprint task #57 **Test file validation for Constrained-3 algorithm.** Some of the test cases for this task are as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case  # | Scenario | Input(s) | Expected output |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |

Consider the sprint task #58 **Test file validation for Constrained-4 algorithm.** Some of the test cases for this task are as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case  # | Scenario | Input(s) | Expected output |
| 1 | Input file contains more than [n/4] agents where n is the number of open spaces in that region | file | Error message : too many agents in same region |
| 2 | Input file contains agents that don’t placed at the end nodes of the region. | file | Error message : agents initial position error |