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| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | User Story index | Task | Date introduced | Date considered for implementation | Date completed | Developer responsible for | Current Status |
| 1 | 1 | Develop GUI portion for input the size of the block(environment) | Jan 26, 2017 |  |  | Yifan | Not started |
| 2 | 2 | Develop GUI portion for construct the open space | Jan 26, 2017 |  |  | Yifan | Not started |
| 3 | 3 | Generate ID for agents | Jan 26, 2017 |  |  | Yifan | Not started |
| 4 | 3 | Develop GUI to set agents position | Jan 26, 2017 |  |  | Yifan | Not started |
| 5 | 4 | Identify graph view for every region | Jan 26, 2017 |  |  | Yifan | Not started |
| 6 | 5，6 | Accept the input data acquired from the GUI | Jan 26, 2017 |  |  | Sheng，Yifan | Not started |
| 7 | 5，6 | Construct data structure to store the input data | Jan 26, 2017 |  |  | Sheng | Not started |
| 8 | 5，6 | Implement patrol algorithm | Jan 26, 2017 |  |  | Sheng | Not started |
| 9 | 5，6 | Return the status of each step or a fixed steps of the algorithm | Jan 26, 2017 |  |  | Sheng | Not started |
| 10 | 5，6 | Show the status of each step or a fixed steps of the algorithm on the GUI | Jan 26, 2017 |  |  | Yifan | Not started |
| 11 | 5, 6 | Develop the GUI provide options for user to choose run the algorithm step by step or execute the algorithm for a fixed number of times/steps | Jan 26, 2017 |  |  | Yifan | Not started |
| 12 | 8 | Send each run information to background | Jan 26, 2017 |  |  | Yifan | Not started |
| 13 | 8 | Set up database | Jan 26, 2017 |  |  | Chaohui | Not started |
| 14 | 8 | Develop DB access methods | Jan 26, 2017 |  |  | Chaohui | Not started |
| 15 | 8 | Develop DB access code for storing run information | Jan 26, 2017 |  |  | Chaohui | Not started |
| 16 | 7, 9, 10 | Develop DB access code for retrieving run information | Jan 26, 2017 |  |  | Chaohui | Not started |
| 17 | 7 | Search the trace of an agent of one history run | Jan 26, 2017 |  |  | Yifan, Chaohui | Not started |
| 18 | 9,10 | Search history run by different conditions | Jan 26, 2017 |  |  | Yifan, Chaohui | Not started |
| 19 | 11 | Show the details about the agents in each node in Graphical view | Jan 26, 2017 |  |  | Yifan,  Chaohui | Not started |