**MidTerm Status Report**

**Team number: 13**

**Team name (optional): Team Thirteen**

**Team Leader: Trent Hardy**

**Team Members:**

|  |  |  |
| --- | --- | --- |
| **Name** | **NetID** | **Initials** |
| Trent Hardy | TTH190003 | TH |
| James Schuebel | JTS200005 | JS |
| Spencer Banasik | SMB200007 | SB |
| Nicholas Weldum | NAW190002 | NW |

The first entry is filled out as an example:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Action Step*** | ***Responsible*** | ***Deadline*** | ***Resources needed*** | ***Dependency*** | ***Result/Output*** | ***Completed (Y/N)*** | ***Issues, if any, put None if no issue*** |
| 1 | **Initialize server-side sockets** | TH, JS | 03/28/2023 | IDE, Python | NONE | Established server-side TCP socket to bind to server address | Y | Had a slight issue setting up a UDP port and handling TCP connections due to confusion about steps but resolved it. |
| 2 | **Listen for server connections** | SB, NW | 4/4/2023 | IDE, Python | 1 | Listens for client connections to server and handles them | Y | None |
| 3 | **Attempt Client Connection** | TH, JS | 4/11/2023 | IDE, Python | 1, 2 | When connected, proceed to listen to server | Y | None |
| 4 | **Authenticate** | SB, NW | 4/18/2023 | IDE, Python | 1,2,3,4,5,6 | Return connected or login error | N | None |
| 5 | **Sending Message** | TH, JS | 4/25/2023 | IDE, Python | 1,2,3 | Client sends message to server  or Server sends message to client. | Y | Was able to setup the message handling on server, but still working on client message handling due to a bug involving certain responses not being handled. |
| 6 | **Receiving Message** | SB, NW | 5/2/2023 | IDE, Python | 1,2,3 | server receives message from client  or Client receives message from server. | Y | None |
| 7 | **Server chat history** | TH, JS | 5/9/2023 | IDE, Python | 5,6 | Server will maintain and consistently update a history of all incoming and outgoing chat messages. | N | None |
| 8 | **Protocol Messages** | SB, NW | 5/16/2023 | IDE, Python | 1,2,3,4,5,6,7 | Result of message command | N | None |
| 9 | **Simultaneous Chat Sessions** | TH, JS | 5/16/2023 | IDE, Python | 1,2,3,4,5,6 | Handle multiple socket connections to server to support several chat sessions at once. | N | None |

**Regarding Action Step and other columns:**

Try to divide the whole project into smaller subparts. Discuss among the group members for further refinement.

**Notes:**

* Distribute the workload in a balanced manner and add corresponding Initials to the “Responsible” column. In the project, there should be some tasks where you will work together, but it is also acceptable that there will be some steps involving your independent work.
* “Deadline” will indicate expected date by which you aim to complete the step.
* “Resources” may include IDE, Provided VM, UTD Net Machines and any other you found useful for development.
* “Dependency” will list all the previous steps that current step's completion depends on.
* “Result/Output” will simply list the outcome of the step.
* “Completed” will simply be filled with “Yes” or “No”, and will reflect the project improvement status for review check/sessions in the future.
* “Issues”: Provide a brief description of the issues encountered, if any. Put “None” if no issue. If you need to elaborate, use the additional space under the table