IDATA2304 Project Sprints

Sprint report group 11

Majd Abbas (Github:: FaalFlew/teteh50),

Nils Sebastian (Github:: Sebastiannilsen)

Sprint 1

Week 43: [Oct. 23] - [Oct. 29]

Accomplishments:

- Had first meeting where we discussed project requirements and tried to understand the project, how we should work and split tasks.

Issues:

- Discuss project requirements and expectations (**Assigned to** [**All team members**])

Next steps:

- Discuss protocol design (protocol.md file) decide which transport protocol to use, message format for exchanging data, network architecture and so on.

Unfinished Issues from Previous Week:

- N/A

Sprint 2

Week 44: [Oct. 30] - [Nov. 5]

Accomplishments:

- Decided on some of the protocol design (protocol.md file) decide which protocol to use, message format for exchanging data, network architecture, etc.

Issues:

- Set up the GitHub repository with the necessary folders and structure (**Assigned to** [**Majd Abbas**])
- Design partially the application-layer communication protocol for data exchange (**Assigned to** [**All team members**])
- Documented partially the protocol design (**Assigned to** [**All team members**])

Next steps:

- Further Discuss protocol design (protocol.md file), and project requirements.

Unfinished Issues from Previous Week:

- N/A

Sprint 3

Week 45: [Nov. 6] - [Nov. 12]

Accomplishments:

- We prioritized other courses this week as we had a bunch of work and preparation for exams regarding other courses.

Issues:

- N/A

Next steps:

- Complete the protocol design and begin the implementation of the project code including creating all necessary classes

Unfinished Issues from Previous Week:

- N/A

Sprint 4

Week 46: [Nov. 13] - [Nov. 19]

Accomplishments:

- Created a diagram for network architecture of the network architecture

Issues:

- Created a diagram for network architecture of the network architecture (**Assigned to** [**Majd Abbas**])
- Implement Socket Communication for Smart Farming Simulation (**Assigned to** [**Nils Sebastian**])

Next steps:

- Start implementation of server, client handler message handler and client class. Make possible the transmission of data between server and client

Unfinished Issues from Previous Week:

- N/A

Sprint 5

Week 47: [Nov. 20] - [Nov. 26]

Accomplishments:

- We prioritized other courses this week as we had a bunch of work and preparation for exams regarding other courses.

Issues:

- N/A

Next steps:

- Start implementation of server, client handler message handler and client class. Make possible the transmission of data between server and client

Unfinished Issues from Previous Week:

- Implement Socket Communication for Smart Farming Simulation (**Assigned to** [Nils Sebastian])

Sprint 6

Week 48: [Nov. 27] - [Dec. 3]

Accomplishments:

- Started on the implementation of server and client code, message handler, command class, client handler etc..

Issues:

- Create a server that can receive data from clients in JSON format (**Assigned to** [**Majd Abbas**])
- Create a client class for control panel clients (**Assigned to** [**Majd Abbas**])
- Create a messageHandler class (**Assigned to** [**Majd Abbas**])
- Create a command class (**Assigned to** [**Majd Abbas**])
- Refactor code (**Assigned to** [**Majd Abbas**])
- Implement error handling for necessary methods (**Assigned to** [**Majd Abbas**])

Next steps:

- Continue the development of transmission of data between client and server, send packets from control panel sensor actuator node and update logic accordingly.

Unfinished Issues from Previous Week:

- N/A

Sprint 7

Week 49: [Dec. 4] - [Dec. 10]

Accomplishments:

- N/A

Issues:

- Perform code reviews and refactor code for better quality.
- (**Assigned to** [**Majd Abbas**])
- Write javadoc for all classes and methods
  (**Assigned to** [**Majd Abbas**])
- Create video presentation
  (**Assigned to** [**Majd Abbas**])
- Create a presentation video showcasing the project.
  (**Assigned to** [**Majd Abbas**])
- Finalize protocol documentation
  (**Assigned to** [**Majd Abbas**])
- Hand in project before deadline.
  (**Assigned to** [**Majd Abbas**])

- Document the entire work process and update project documentation.
- Write unit tests for server / client and other classes

Next steps:

- Hand in the project in inspera

Unfinished Issues from Previous Week:

- N/A