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Project Topic: Smart E-health Consulting System

# Main communication channel(s)

Documentation(s), comments in source codes, GitHub, Google Drive & WhatsApp.

*Unfortunately, due to work (primarily Wednesdays and Fridays 12 hours-shift for each of those workdays) and private reasons in this current situation with the switch to the online mode and the change of plans regarding the dates of the exercise groups and changing of the days, I am not able to participate in a verbal manner consistently and spontaneously. So, my solution was to update each other when something important had to be discussed or to clarify things via the abovementioned methods.*

My Task(s)[[1]](#footnote-1)

1. Diagrams (Class, Flow & Sequence). Made via <https://app.diagrams.net/> (*.drawio* file extension)
2. Three Scenes in the front end for the GUI with the JavaFX Framework.
3. Certain functions in the source code implementation that would be given to me.

Class Diagram[[2]](#footnote-2)



This diagram takes the most time out of all the diagram due to multiple changes and updates it must be maintained as such. **Finished**; may need small updates here and there. Used all the fitting classes that were available on GitHub.

Flow diagram[[3]](#footnote-3)

This diagram shows the process from the perspective of the User and the admin. Certain moves are made that create and update certain Backend functionalities like the Database when creating and editing a profile. By making certain decisions the process is continued in the therefore destined direction to complete the whole process.

Sequence Diagram[[4]](#footnote-4)

This I still must investigate in detail, but I think it should be finished faster than the Class diagram.

Sequence diagram displays the different objects (meaning can be interpreted as either the class files or more general GUI, Server, and Databases).

It shows the relation and communication between those objects and the time in which the objects are active (lifeline boxes).

I used the three general objects (GUI, Server and Database) due to time reasons and to showcase it in a more general manner rather than using every object in a class which would make the diagram a lot more complicated which I think would not be fitting for a presentation of the diagram.

GUI[[5]](#footnote-5)

Created a little prototype of it by using the Swing Framework because it was also shown in the slides of the lectures. Implementation of DB and other classes and packages should be made onwards. Later the team decided to use the JavaFX Framework so I started to dig into it to get familiar with it so I can start implementing again from the scratch. The team initially decided to make me do the design aka front end part of these three Scenes with the following file names: “AdminTableview.fxml”, “login.fxml” and “registration.fxml”. But after some questions on my part it suddenly changed and “AdminTableview.fxml” was replaced with the following Scene: “UserDB\_tableview.fxml”. So, I had to make this one from the scratch again.

For the layout and overall design my initial thought was to leave it simple with a simplistic design due to the limitations of the changes in the code that I should leave out according to the team.

I decided to let the UserDB\_tableview.fxml as simple as possible due to the importance of functionality. A further adjustments and coloring would distract the user/admin unnecessarily from the primary work and would make things more complicated and not as efficient as it should be.

At the end the team decided to take over the designs of the Interfaces.

1. Everything is subject to change due to the dynamic and agile nature of the project. Thus, even this documentation will be updated with correlating changes. [↑](#footnote-ref-1)
2. https://www.youtube.com/watch?v=UI6lqHOVHic [↑](#footnote-ref-2)
3. https://www.youtube.com/watch?v=cvYhuowazh0 [↑](#footnote-ref-3)
4. https://www.youtube.com/watch?v=pCK6prSq8aw [↑](#footnote-ref-4)
5. https://moodle.frankfurt-university.de/pluginfile.php/1116970/mod\_folder/content/0/JAVA\_OOP.pdf [↑](#footnote-ref-5)