Sports Exercise Battle

# Reading the specifications and laying the groundwork (2.5h)

The first thing I did was to carefully read through the specifications in order not to miss anything and risk having to scrap my ideas. After carefully reading through the text, I brainstormed and made thoughts about how the structure of the program and database should look like as well as what to implement as the additional feature. The reason I started planning the feature early is because implementing it after being finished would be harder, since I would have to dig through my code, find ways of implementing it and end up having to alter my code in a way that would allow the feature to function. By pre planning however, I can already write my code in a way that would make implementing that feature easier.

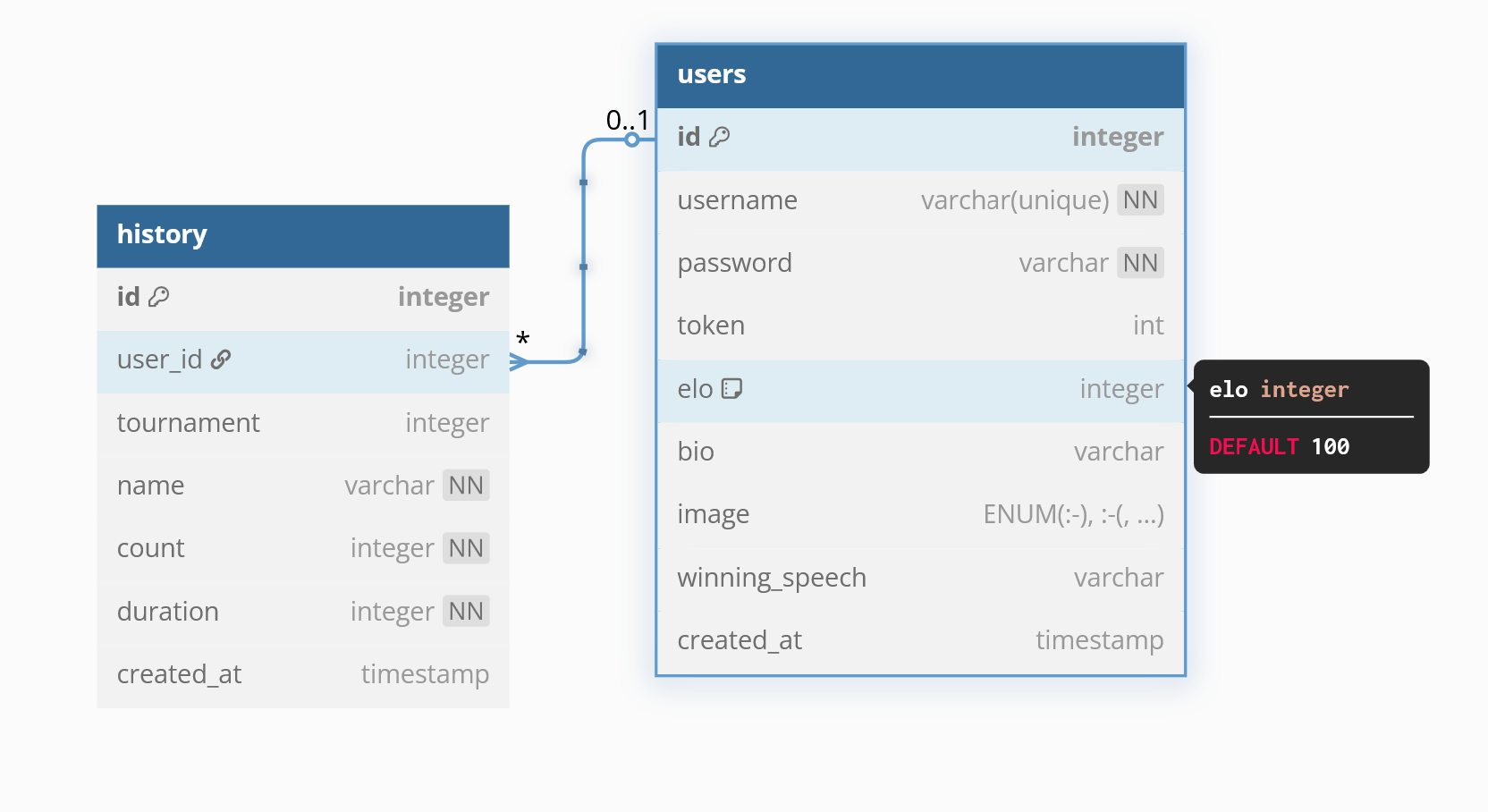
After then Initializing my repository, I started making prototypes for the database and also created another document in which I’m storing all my ideas.

## Setting up the database (2.5h)

This is one of the first things I did. After reading the specifications I got to work and used <https://www.dbdiagram.io/> to plan my database. I ended up having to change the tables quite a lot, since at first, I wanted to go overboard, create everything as professional as possible, create tables to make retrieving data easier, to make implementing things later easier etc. At the end however, I decided on keeping things simple and only creating the tables that I actually needed.

This ended up being the Users and history table. At first, I created tables like session or tournament, but since those were not necessary according to the specifications, I ended up removing them and only kept the previously mentioned tables.

This is what the database ended up looking like:



# Creating the basic structure of the application

My first challenge was that I haven’t coded using C# in almost 5 months, since the university I currently am studying abroad at only offers Java, the good news however, is that we have worked a lot with TCP/WebSocket’s as well as REST, hence I feel more than confident starting this project. My first action will be to quickly revise our Software Engineering course in order to get fluent in C# again.