Weekly Progress Report 1

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# This Week

## Austin Snyder

I worked on implementing the User, UserStats, and SkillLevels classes this week. These classes will work together to store most of the information about a user. User contains an instance of UserStats. UserStats has an instance of SkillLevels, which holds the levels for the 5 areas of “skills” we have. Made some changes to where some fields belonged, since we used to think we would want just a User/UserStats, but it makes sense to break userStats into smaller parts. It became more modular, and I believe there are potential applications of the SkillLevels class in relation to Tasks, but that will have to be something we do at the end.

I look forward to working on getting data from the database and building the objects with it that will be used during the execution of the program. I also look forward to working on storing our objects in the database. Next week, I will try to finalize the DB schema with everyone and send out a build file so everyone can use the db locally.

## Ethan Roppel

This week I worked on Database.java which will manage users, tasks, categories, and every other class. I also created LoginApplication.java which acts as a driver and tests logging in a user. More functionality for other classes will be implemented as we continue.

## Isaac Darlington

This week my task was to work on the UI and get it ready to be implemented in code. Currently I have finished this an am getting ready to implement it into our project. Afterwards I will begin programming in the buttons text areas, and text input spaces to make it work with what we need.

## Ken Alleyne

My assignment this week was to create the class for tasks. This class encapsulates the following private fields:

* Task ID – a unique identification number for each task.
* Task Category – a category corresponding to user skills.
* Task Name – the name of the task.

Additionally, the class contains a single constructor that takes arguments for each of these fields; and it contains getters, setters, and a toString method.

Furthermore, we determined that the task categories would be best described using an Enum; so I also created an Enum class called TaskCategory which contains the following constants:

* Intelligence (INT)
* Strength (STR)
* Endurance (END)
* Wisdom (WIS)
* Vitality (VIT)

## Wyatt Wooden

This week I created an excel spreadsheet that includes some examples of what the data might look like inside of each table of the schema. Looking at the tables we can see how some relations can be connected based off of the certain data. All tables in the schema were included: Users, User Stats, User Tasks, Tasks, and Categories.

# Next Week

We will discuss the implementation of the database connection and functionality within the application. We will meet to discuss how the data should flow from the frontend to the backend, including what each dbModel function should return.