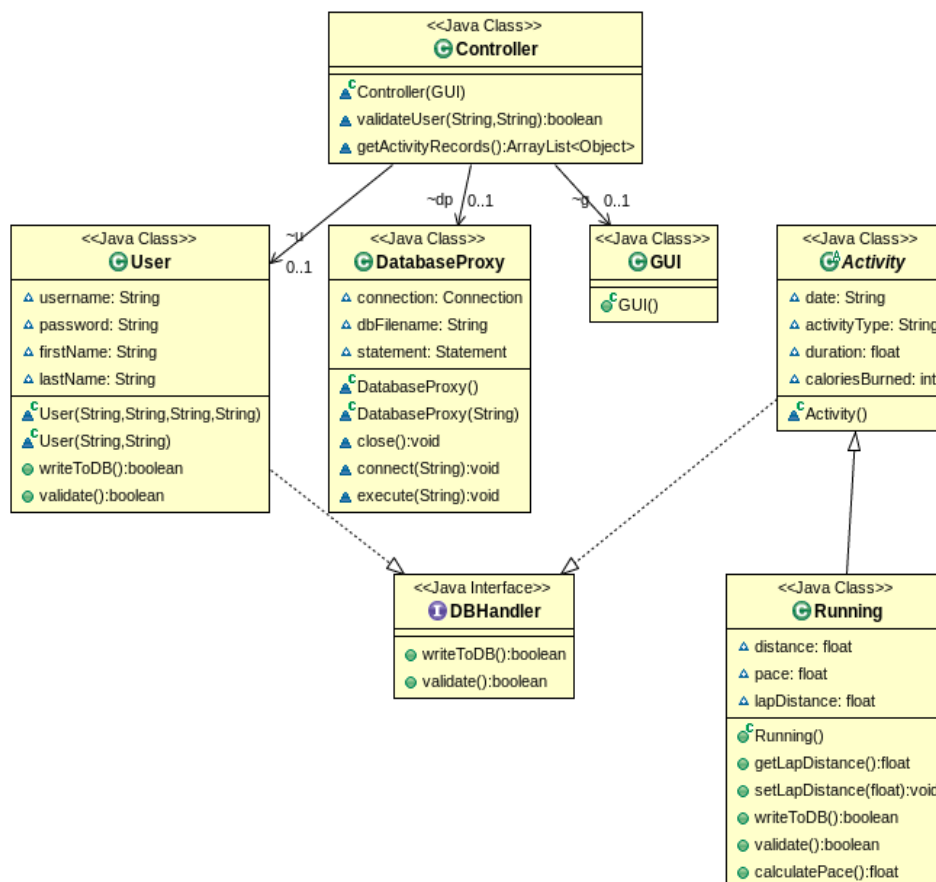


Plan for Week #1 (ending Nov18)

For the first week, we plan to implement the “Create User Profile” use case (as shown below). This is dependent on the design and implementation of a working persistence architecture solution. For our persistence solution, we plan to implement the following:

- SQLite Database
 - User table
 - Records table
- Database Adaptor
- GUI connected to the Database through the adaptor

This database design will take care of several other aspects of our design, such as having user and records table, and will take care of validation of data. Our architecture for this week will look similar to the UML diagram below. Use Case Description as well as the screen for creating a profile are given below.



Create User Profile Use Case

Name: Create User Profile

Description: The user would like to create a profile with the intent of registering the user's basic information and set up a username(e-mail) and password. The goal of this process is to authenticate the user and gain access to the application.

Basic Flow:

1. The User provides information like: e-mail, full name, password, date of birth and height.
2. The User confirms the provided information.
3. Profile is created successfully and data is stored in a persistence entity.
4. User concludes profile creation and moves to main screen of the application.

Alternate Flow:

1a. Information provided is not accepted by the System: e-mail format is invalid or existent, date of birth is invalid etc...

1. System blocks the "Register" option and asks The User to correct the information provided.
2. Asks User to login, in the case his/her e-mail is existent.

1b. User cancels the profile creation.

1. System returns to the initial login screen/closes application.

Actors:

Non-Registered User – User does not have a pre-existing profile.

System Entity – receives and verifies the provided information.

Persistence Entity – receives the profile information.

Preconditions:


The user wants to create a new profile (if one doesn't already exists).

Postconditions:

The user's account is created and valid to log in. The main screen of the application is displayed.

Create Profile GUI

User Details



not logged in

edit profile

logout

My Friends

Import Data

My Activity

User Login

Username

Password

Sign In

Create Account

Important information about the current state will be here