

FiTracks

Data Design Document

Submitted to:

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Unique Reference:

The documents are stored in the <https://fitracks.wordpress.com> in the Project Deliverables Section or can be accessed through <http://bit.ly/FITracksDesignEngineering>.

Document Purpose:

This document is provided to show the data design and its components of the health and fitness record management system.

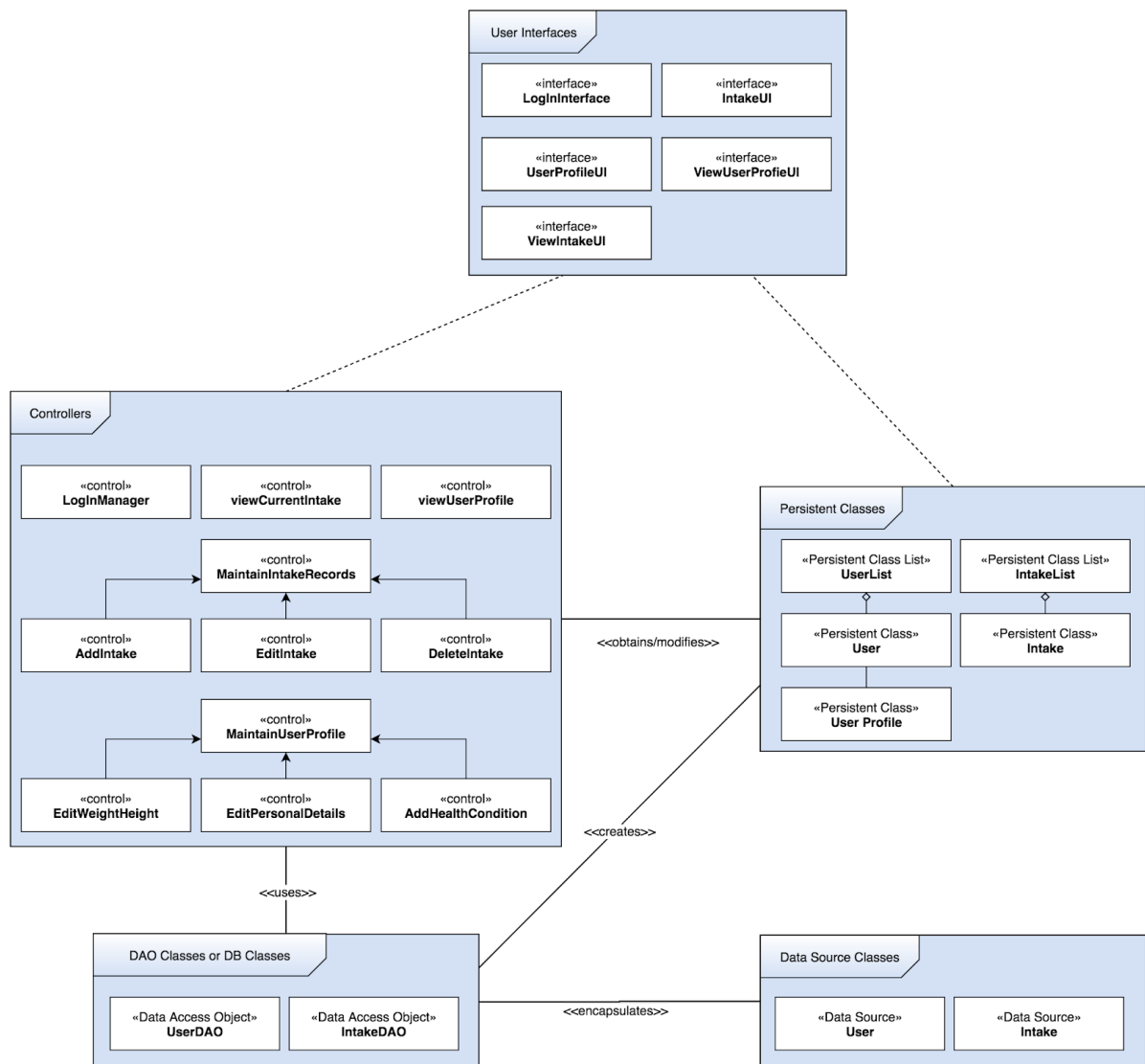
Target Audience:

This document also serves its purpose for Asst. Prof. Rowena Solamo, her students, and others analyzing the data design of the application and its components.

Revision Control***History Revision:***

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Contribution/Modification</i>
10/18/18	Ian N. Villanueva	1.0	Prepared the initial document;
10/20/18	Glenn Karlo D. Manguiat	1.1	Added the unique reference, document purpose, and the target audience.
10/21/18	Glenn Karlo D. Manguiat	1.2	Added Data Design
10/22/18	Ian N. Villanueva	1.3	Added Descriptions to Data Design(DAO and Persistent classes), Added List of Data source, added UserData.csv format
10/23/18	Trina B. Aguilana	1.4	Added the sample UserData.csv and the UserIntake.csv format and the sample UserIntake.csv

Data Design:



Data Access Object (DAO):

Class Name	Description
UserDAO	This data access object is responsible for getting user profile information data from a file referenced with filename, UserData.csv (See the following section for file format and sample).
IntakeDAO	This data access object is responsible for getting user intake information data from a file referenced with filename, UserIntake.csv (See the following section for file format and sample).

TransferObject or Persistent Classes:

Class Name	Description
User List	This transfer object or persistent class list is responsible for holding a list of user data records.
User	This transfer object or persistent class is responsible for holding a single user data record
User Profile	This transfer object or persistent class is responsible for holding a user profile data record
Intake List	This transfer object or persistent class list is responsible for holding a list of intake records.
Intake	This transfer object or persistent class is responsible for holding a single intake record

List of Data Source:

File Name: UserData.csv

Description: This is the file containing User Data Records. The structure of the file is as follows:

A line contains a single User Data Record with fields separated by comma (,).

The order of the fields are as follows:

1. userID – a unique id assigned to a user
2. lastName
3. firstName
4. middleInitial
5. address
6. contactNo.
7. email
8. birthday
9. age
10. gender
11. height
12. weight
13. healthConditions
14. healthStatus

File Name: UserIntake.csv

Description: This is the file containing User Intake Records. The structure of the file is as follows:

A line contains a single User Intake Record with fields separated by comma (,).

The order of the fields are as follows:

15. userID - unique id assigned to a user
16. waterintakeID – a unique id assigned to a water intake.
17. foodnameID - a unique id assigned to a food intake
18. watercontainer
19. foodname
20. amount
21. calorie
22. date_consumed
23. time_consumed

Sample Source File For UserData.csv:

```
00001, Paz, Angelica, C., Quezon City, 7665654, apaz@gmail.com, January 16, 1999, 19, F, 144, 55, None, Healthy
00002, Del Campo, Adrian, A., Laguna, 5944334, aids@gmail.com, May 23, 1984, 34, M, 150, 80, None, Healthy
00003, Hernandez, Kyle, M., Marikina City, 8025262, kkmhernandez@yahoo.com, March 18, 1998, 20, F, 155, 50, None, Healthy
00010, Fernandez, Jacqueline, B., Cavite, 2323232, kellyfernandez@up.edu.ph, January 20, 2000, 18, F, 150, 60, Asthma, Healthy
00009, Alvis, Eve, A., Quezon City, 7085687, alvis_eve@gmail.com, December 25, 2000, 18, F, 180, 65, None, Healthy
```

Sample Source File For UserIntake.csv:

```
00001, 2001, 01, Bottle, Pansit, 500, 430, October 23 2018, 5:30AM
00002, 2002, 02, Bottle, Hamburger, 250, 600, November 2, 2018, 12:00PM
00001, 2003, 02, Bottle, Hamburger, 300, 600, september 1, 2018, 4:30PM
00010, 2040, 03, Bottle, Ice Cream, 100, 350, November 2, 2018, 3:00PM
00009, 2005, 10, Bottle, White Bread, 50, 126, August 30, 2018, 7:00AM
```