

CS408

Fitness Tracker Pro

**Sprint 2 Design Inspection, Code
Inspection, Unit Testing**

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Design Inspection

Product	Fitness Tracker Pro		
Date	03/03/2015		
Author	Tianyang Yu, Jing Chang, Zhicheng Zhou, Yuying Wang, Hanchen Li		
Moderator	Hanchen Li		
Inspectors	Jing Chang, Zhicheng Zhou, Yuying Wang		
Recorder	Tianyang Yu		
Defect #	Description	Severity	How Corrected
1	Actual record should be independent of weekplan because a plan could repeat multiple time	1	Create a local file to store real activity record and every time/day update the file
2	Any back-end SQL function show not take planID as parameter because the property planID is invisible to front-end	2	Use plan name instead of planID
3	Today's record could be change during the whole day, if the record store with history record in same file, making changes for today would mess up up the file	1	Now we have two file to store today's record and history record. When the day past, the data of today's file should be appended to history file.
4	Properties about rating, such as rate, comments, username should be included in WeekPlan class	2	Create a rating class to hold rating, comments and username and insert a rating member inside weekplan class
5	Weekplan class should include information about the user who shared it	2	Insert a constructor with username as an additional argument in weekplan class

Code Inspection

Product	Module Inspection		
Date	03/03/2015		
Author	Tianyang Yu, Jing Chang, Zhicheng Zhou, Yuying Wang, Hanchen Li		
Moderator	Tianyang Yu		
Inspectors	Hanchen Li, Jing Chang, Yuying Wang		
Recorder	Zhicheng Zhou		
Defect #	Description	Severity	How Corrected
1	SQL Statement is written in wrong way when selecting plans	1	Debug it in SQL software and copy it into Java.
2	When getting all shared plans, information about rating for each plans should be also retrieved	3	Add sql statement to retrieve rating information and add data into weekplan object.
3	Forget to delete test code for login, so it will automatically login in the beginning	1	Delete the test code.
4	Need a function to convert plan name to planID	2	Write a function to hash the plan name to corresponding planID
5	The login and register functions that connect to the database do not reflect the different error cases in the return value(only reflect whether success or not).	2	Using different return values to differ the error cases for both functions (like “no such user ”, “wrong password” or “bad connection” cases for login).
6	Checkbox and scrollpane on share tab could not worked correctly because forgetting add controller to FXML	1	add controller to FXML and then it worked

Unit Testing

Product	Module Inspection		
Date	03/03/2015		
Author	Tianyang Yu, Jing Chang, Zhicheng Zhou, Yuying Wang, Hanchen Li		
Moderator	Hanchen Li		
Inspectors	Tianyang Yu, Jing Chang, Yuying Wang		
Recorder	Zhicheng Zhou,		
Defect #	Description	Severity	How Corrected
1	No resource exception when creating a SimpleListProperty object	1	Creating a ObservableList object as a base component used to create SimpleListProperty object
2	Exception occurs when same object of sql statement is used to execute different sql query	1	Create new sql statement object when using them to execute new sql query.
3	In the Stat tab, the vertical axis does not have the correct range when using the auto-ranging property of the axis, which provided by the Javafx API.	1	Do not use the auto-ranging property, and use self-define function to get the range of the data, and set the range every time we generate the graph.
4	In Plan tab, drag a kind of the activity that already exists in target day's plan into the target day plan, these two activity would not merge into one.	2	Everytime we try to add that activity into a day plan, we check whether this activity already exists. If it is, merge them by adding the planned count together.
5	In WishList tab, we get the same plan displayed when we click different plans.	1	Do not create a new instance to save the weekplan during loading the WishList data into the program. Fix that by adding the creation of a new instance.
6	Read the file for today's plan by using nextLine cause an	1	Add an "end tag" for today's plan

	exception because of invisible different ending character		
7	When try to write WeekPlan object, which already implements Serializable interface, into a local file, the writeObject function still throws an exception because type of one field of the WeekPlan class (StringProperty, provided by javafx sdk) is not Serializable.	1	Rewrite write/read into/from local file function by directly writing/reading data to/from file instead write/read object to/from file.
8	In the Stat tab, the Statistic graph does not update after data are changed on other tabs	1	Reload data from files for every time users hit the tab button.