

CS408

Fitness Tracker Pro

**Inspection, Code Inspection, Unit
Testing**

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Design Inspection

Product	Fitness Tracker Pro		
Date	02/12/2015		
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	"Home tab" module and "Plan tab" module should not use the same model to display the details	2	New "Home tab" module and "Plan tab" module use different models
2	The Date class of Java is different from that of SQL	1	Use Java Date class in the program, and write converter methods.
3	Views of four tabs should not be contained in main layout	3	Main layout is divided into 5 new layout files
4	"Home tab" module should have some handlers to handle the click action	3	Now "Home tab" module have new handlers
5	No module calls "login" module	3	Now "Home tab" module calls "login" module

Code Inspection

Product	Module Inspection		
Date	02/12/15		
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	Popup dialog on “Home tab” module sometime cannot record the count that user inputted.	2	Actionhandler for read the count from dialog was rewritten and define count as int.
2	If we enter username <u>“abc” OR ‘a’=’a</u> , we can always log in no matter what password is.	1	Don’t allow certain characters in username.
3	If we add a new activity into weekly plan, the graph under “Stat tab” module still display the original planned activities.	2	Add the newly created activity into the weekly plan.
4	Drag activity on “Plan tab” module does not work between different listviews for different days	1	redesign drag action handler
5	When the another activity, which has been already added to the weekly plan, instead of update the planned amount, the program will treat it as a different activity.	3	Only update the planned amount if same activity is added.
6	We forget to close SQL connection	2	Close it at the end

Unit Testing

Product	Module Inspection		
Date	02/12/15		
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	When nothing in the weekly plan, Exception will happen when drag is detected on the weekly plan.	1	Add a new condition to restrict happening of operations in the Drag Detected actionListener.
2	Comment cannot include quotation marks because of current anti-SQL injection examine	2	Implemented a more clever anti-injection mechanism.
3	When nothing in the weekly plan, clicking the table on homepage would cause crash	1	Developing the controller for the home page and click action would not trigger the handler.
4	If user click the column of table, the dialog would not popup	2	Rewrite the handler for table view instead for column
5	When user add more exercise for today record, a popup dialog would show. But when user close the main window, but dialog window still show	2	Now, we set the stage of new dialog as children of stage of main window
6	The orders of activities are not recorded	2	Insert a field "order" into plan table to keep track of the
7	Some buttons are not disabled when not allowed to use	3	Implement button disable functionality