Grading Schema: Defect Log

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The points distribution for this week's assignment is as follows:

● Documentation on how to run your project – 15 points
● Seeding with 25 defects – 85 points

We expect you to specify the architectural dependency and the resources requirement to run your program (e.g., 32 bit or 64 bit JVM), instruction manual (in case of games and other applications where certain inputs have a special meaning to the program), and the script required to configure the database in case your project has database dependency.

You should provide a log of 25 defects and the suggested corrections for each defect. Note that the executable that you submit should be the one with 25 defects and not the one where you have made corrections for the defects. Ensure that the critical functionality of your project remains intact even after adding a defect, i.e., none of the defects should cause your project to crash or cause any runtime exception. You should list the suggested corrections for the introduced defects in your assignment but not make the corresponding corrections in your executable.

If you have not submitted 25 defects, we will cut points accordingly. For example, if you submit only 20 defects then you will be given 80% of 85 points or 68 points.

How to run project:

To run FitnessTrackerPro, Windows user can double click FitnessTrackerPro.exe. Mac and Linux user need to run FitnessTrackerPro.sh (Probably need to modify permission).
And our project requires JDK with version of at least 8u35 (the latest version is always the best choice).

Instruction manual:
On the top, search box is for user to find another user to compete with exercise amount.
Home, Plan, Stat, Share, WishList tab on the side is clickable and represent different page.
In Home tab and activity table on the left, each row represents an activity with planned count and actual count, and can be clicked to change actual activity count; Add new activity will add user-defined activity.
In Plan tab, elements in activity list on the left can be dragged into weekly plan table to modify weekly plan only after user clicks on edit button on right bottom; Plus button on the left

top is for user to add user-defined activity that not showed in the activity list; share button allow users to public their plans, so that other users are able to see the plan.

In Stat tab, user can choose type or range of activities they have done to show in chart

Share tab is to display all the weekly plans shared by users. User can choose type of plan on the left to filter the plans and rate/comment a plan by clicking on comment button. User can click on the plan to select and see details of the plan in a new dialog. In the new dialog, apply button is to replace current plan by the selected plan and save button is to add the selected plan to wish list and save it locally.

WishList tab shows plans the user saved. User can click on the plan and choose to apply and replace current plan or delete and remove the plan from wishlist.

Seeding:

Defect #	Defect	Output Before Seeding	Output After Seeding	Suggested correction	Black / White box testing	Severity
1	If apply the plan from wishlist. The activities on home page does not change	home page reload new activities as soon as new plan is applied	home page keep display the activities from previous plan	track the plan change for everyplace	black box	3
2.	Choose Default plan, home page does not display corresponding activities	Home page display corresponding activity from different default plan	Home page only display the activities from unknow plan no matter which plan you choose	Home page should make some change to load data from different plan	black box	2

3	Not check the password length	notify and do not allow user to have password beyond 6-32 length	allow the account creation with unsatisfied password length	add listener to check the length	black box	2
4	All buttons in the popup dialog display unmeaningful characters on homepage	the button should display text in english	when recording message on home page tab, the button on the dialog display incorrectly text on foreign language environment	the app should localiza the language	black box	3
5	app does not check input validation in homepage tab (should be non-negative integer) after user click on activity table to input amount of activity	when input is not non-negative integer (-5), the app ignores the message and popup an error message dialog.	when input is not non-negative integer (-5), the app records the activity count, and showing the negative integer.	do input check in the home tab	black box	1

6	"clear" button in the plan tab is not working.	The current plan will be erased to the blank.	Nothing happens.	Fix the button clicked function to delete the binded data.	black box	2
7	Anonymous have authority to compete with other users	before login, the app do not display the search bar and button	user could search to compete without login	check the authority of client	black box	2
8	no plans display when canceling the selected checkbox	display the correct plans if checkbox is selected, otherwise display first 40 plans without filtering	when user check the box and then cancel the select, no plan display	reload all the plans if no checkbox is selected	black box	1
9	When two plans in the wishlist have same plan name, only one of them will be shown in wishlist	When two plans in the wishlist have same plan name, both of them will be shown in wishlist	When two plans in the wishlist have same plan name, only one of them shows in wishlist	Instead using HashMa. use an arraylist to store the wishlist and access by index	black box	2
10	History.Fitness file is not	The gap between last	The gap between last	Rewrite the	Black box	1

	updated correctly when user didn't use this app for more than one day.	date in the History and today will be filled according to the current plan and all the real counts are zero.	date in the History and today will be not be filled. Hence all these dates will not have planned count.	append function for the History.Fitness file to fill the gaps.		
11	Activity does not display in day list when it is dragged in plan tab	The activity that is dragged will not disappear from it's day list.	In plan tab, when drag an activity inside it's day's list, it will disappear.	Modify the listener for each day's activity list, delete the dragged activity only	Black box	2

12	Plan does not show in wishlist tab when it is selected to add into wish list in the share tab	When click the "add to wishlist" button in the share tab, plan will be added to the wishlist tab immediately	When click the "add to wishlist" button in the share tab, plan will not be added to the wishlist tab immediately (But will appear when restart the application).	Include refreshing wishlist tab method in clicking "add to wishlist" button event	Black box	2
13	Do not check non-negative activity count when adding activity to current plan	When add the activity into the current plan in the plan tab and input a negative integer as plan count, the program will detect the error(popup an error message dialog and do not add it until user input a valid	When add the activity into the current plan in the plan tab and input a negative integer as plan count, the program does not detect the error and add it.	do input check in plan tab	Black box	3

		count).				
14	Always return not exist username error when user try to compete by entering username	when user input an existing username which is enabled to be competed, plot the competing graph	when user input an existing username which is enabled to be competed, popup a dialog showing that the username does not exist	Fix the method using to check existence of username	Black box	1
15	User cannot delete the plan in WishList	The deleted plan will disappear immediately after clicking the "delete" button.	The deleted plan remains in the wishlist forever when user click "delete" button	check listener of delete button event	Black box	2
16	Range of chart on stat tab does not correct	The graph will change the range according to data	Ranges stays default value	Set the ranges according to data value	black box	3
17	shared plan with some empty day plans in it does not display	All shared plan existed in database will display in the share tab	App only show part of shared plan that should be displayed. Shared Week Plans with empty day plan does not show up.	Modify the get shared plan method to handle the empty dayPlan case by create an empty instance and put into weekPlan	Black box	1

18	When apply the plan in the wishlist, it always replace the current plan by the first plan in the wishlist	Current plan in the plan tab will be replaced by the selected plan in the wishlist.	Current plan in the plan tab will always be replaced by the first plan in the wishlist, no matter which plan is selected.	Pass selected plan id to replace current plan	Black box	2
19	shared plan does not filtered in correct way	only correct shared plans are displayed after select category	wrong shared plans are displayed after select category	check escape character in regex	black box	2
20	user could not change rate and comment of plan rated before	average rating, ratings, comments of the plan that user rate twice will change into correct value	When a user rates a plan twice with different value, average rating, ratings, comments of the plan does not change	catch and handle sqlexception when adding rating since there is primary key constraints for username and planid	black box	1
21	shared plan is not ordered by average rating	shared plan is displayed in order of average	some plan with lower avg rating displayed in	call the getplan method with order	black box	3

		rating	front of plans with higher avg rating	functionality		
22	share plan page is not changed after changing the plan's rating or comment	share plan does not show the latest information about the plan	share plan does show the latest information about the plan	Recall the updateLayout function to fresh	black box	2
23	share plan page is not changed after sharing a plan by clicking the "share" button	share plan page is changed immediately after sharing a plan by clicking the "share" button	share plan page is not changed immediately after sharing a plan by clicking the "share" button	Recall the updateLayout function to fresh	black box	2
24	stat graph always use the first week or first month of history graph record	Using the data of last week or last month as records to display the statistic graph	Using the data of first week or first month as records to display the statistic graph	Write filter to return proper history data list	black box	2
25	Do not check validation of new activity on the plan tab	The app do not allow user add same activity	User could add same activity more than once in plan tab	every time user add new activity, app should check whether it exist	Black box	2