Fitness Management Application: Maintenance Description

[Authors: Anusha Oorugunda, Palash Mishra, Shashi Sharma]

Initial setup:

- Initially, the application wasn't in the working state. None of the mentioned initial features were implemented. We had to start everything from scratch, and before doing it, we got an approval from professor to start it from scratch, as the implementation was very poor.

From Jan Ringert <jan.ringert@uni-weimar.de>   ↰ Reply ↰ Reply All ▾ → Forward 🗄 Archive 🚫 Junk 🗑 Delete More
Subject **RE: Task 3 | Maintenance | Current Implemented Issue**   12-05-2022, 21:3
To Me ☆
Cc anusha.oorugonda@uni-weimar.de <anusha.oorugonda@uni-weimar.de> ★, palash.mishra@uni-weimar.de <palash.mishra@uni-weimar.de> ★

Hi everyone,

Yes, the actual implementation is very poor. The database code does not work and the code in App.java is limited to the input of a name and 4 numbers.

Make sure to start from the template instead. Copy whatever code/data you feel might be necessary to the new format/template. Make sure to document a clear analysis and justification of starting from scratch in your 2-page maintenance report. I answered a similar case in the forum.

Best,
Jan

- Hence, we started the application from the initial stage and implemented all the initial features of the application.

Implemented Features From Scratch:

We added the features from the start. The following features were added:

1. Basic authentication for the trainer.

2. Allows the trainer to ensure that every customer follows their training plan properly and it also allows him to evaluate every customer's training consistency.

3. Allows the trainer to evaluate the quality of various activities performed by all the customers by checking their respective sensor data. All these sensor data can be visualized in the form of graphs for better understanding.

4. Allows the trainer to create a new training plan for all the customers based on their previous training activities and the training plans can also be saved for future reference. It also notifies the trainer to create a new training plan once the existing training plan expires. (individualDataFile – saves for future reference)

New feature implemented:

1. We allowed the trainer to create/add a new customer under him. Now, a new user/customer is allocated to the trainer, and he has control over the user activities and training plans. Please note that a trainer can't modify a user's plan who is not allocated to him. He can only see the data of his own customers.

Future feature implementation:

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- Do not add user while excel is open, it won't work. Further group can try implementing this to prevent this from happening. It would be only one line of code to add certain condition.

- Efficiency of any new customer will be zero as the working hours will be 0 in starting, try modifying the value and check efficiency. Future group can try keeping the value on start.

- Tag id is randomly generated and it might not be distinct, we suggest next group to make the randomly generated tag id unique.

- After modification of the training plan, the updated value is at individualDataFile, further group can try modifying the same value in the original datafile. It would be one repetition of the function.

Working Screenshots:

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C:\Windows\System32\cmd.exe - gradlew run

```
Microsoft Windows [Version 10.0.19043.1706]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ss139\Downloads\java-gradle-template-main>gradlew run
> Task :app:compileJava UP-TO-DATE
> Task :app:processResources UP-TO-DATE
> Task :app:classes UP-TO-DATE

> Task :app:run
################### Fitness Management Application ###################

Please enter username !
admin
Please enter password !
admin

Thanks for providing credentials !

Dear admin , Welcome to your account !!
Dear admin , Please enter option you want to use !

----------------------- 1. Evaluate Customer Training Plan -------------------------
----------------------- 2. Add customer/client under your name -------------------------
----------------------- 3.  -----------------------
----------------------- 4.  -----------------------

 1/2/3/4
1
Tag Id : 1, Customer Name : Palash Mishra, Training Plan : WL, Workout Hours completed : 12, Workout Hours Target : 45
Tag Id : 2, Customer Name : Shashi Sharma, Training Plan : WG, Workout Hours completed : 23, Workout Hours Target : 34
Tag Id : 3, Customer Name : Pranay Karani, Training Plan : WG, Workout Hours completed : 10, Workout Hours Target : 15
Tag Id : 4, Customer Name : Manik Mehta, Training Plan : WL , Workout Hours completed : 19, Workout Hours Target : 60
Tag Id : 5, Customer Name : Arvind Sharma , Training Plan : WL, Workout Hours completed : 43, Workout Hours Target : 65
Tag Id : 32, Customer Name : Akshay, Training Plan : WG, Workout Hours completed : 23, Workout Hours Target : 23
Tag Id : 15, Customer Name : Vineel, Training Plan : WG, Workout Hours completed : 0, Workout Hours Target : 100
Tag Id : 15, Customer Name : krishna, Training Plan : WL, Workout Hours completed : 0, Workout Hours Target : 54
Tag Id : 2, Customer Name : Anusha, Training Plan : WL, Workout Hours completed : 0, Workout Hours Target : 3

Please enter tagId to check efficiency of the customer
```

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Tag Id : 15, Customer Name : krishna, Training Plan : WL, Workout Hours completed : 0, Workout Hours Target : 54
Tag Id : 2, Customer Name : Anusha, Training Plan : WL, Workout Hours completed : 0, Workout Hours Target : 3

Please enter tagId to check efficiency of the customer
32
Customer Name : Akshay, Efficiency Of The Customer : 100.0


Continue getting further analysis of the customer ?

Press 1 to continue or others to go back !
```

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Please enter tagId to check efficiency of the customer
32
Customer Name : Akshay, Efficiency Of The Customer : 100.0


Continue getting further analysis of the customer ?

Press 1 to continue or others to go back !
1
Customer Name : Akshay

Activities Targeted Daily : Planks
Collected Data : Fitbit Tag Status - 56%

Do you want to modify the current training plan ?
Press 1 to continue or others to go back !
```

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Customer Name : Akshay, Efficiency Of The Customer : 100.0


Continue getting further analysis of the customer ?

Press 1 to continue or others to go back !
1
Customer Name : Akshay

Activities Targeted Daily : Planks
Collected Data : Fitbit Tag Status - 56%

Do you want to modify the current training plan ?
Press 1 to continue or others to go back !

1
Please enter the new training plan value  !! Ex - WL/WG (WeightLoss / WeightGain)
WL

Thanks for entering the new training plan for - admin

Please enter the new training activities value  !! Ex - Seated leg press (10 reps x 3 sets)
```

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Activities Targeted Daily : Planks
Collected Data : Fitbit Tag Status - 56%

Do you want to modify the current training plan ?
Press 1 to continue or others to go back !

1
Please enter the new training plan value  !! Ex - WL/WG (WeightLoss / WeightGain)
WL

Thanks for entering the new training plan for - admin

Please enter the new training activities value  !! Ex - Seated leg press (10 reps x 3 sets)
Sit ups and push ups

The current Training plan - WG has been modified to - WL
The current Training Activities - Planks has been modified to - Sit ups and push ups

BUILD SUCCESSFUL in 3m 33s
3 actionable tasks: 1 executed, 2 up-to-date
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```