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OOP Coursework and Rubrics
2 messages

Guhanathan Poravi <guhanathan.p@iit.ac.lk>   Fri, Nov 6, 2020 at 1:21 PM
To: Mohammed Nawaz <mohammed.2017313@iit.ac.lk>, Dinuka Piyadigama <dinuka.2018373@iit.ac.lk>
Bcc: l5se@iit.ac.lk

Hi All,

1. Please DO NOT use a Database of any type for persistence which will result in -35(Negative 35) awarded.

2. Please use Object Serialisation for persistence [Not doing this will give no marks for persistence].

3. Use the same file used for persisting objects that you used in the Command Line Interface (CLI) application in GUI as well. One file for persistence in both applications

4. Ideally, for GUI part use Angular, Typescript for Client and Play Framework for Server and invoke the GUI from the Menu that you have created in CLI (Ask @Mohammed Nawaz @Dinuka Piyadigama for that matter any good students from Industrial Placement or Final Year if you don't know this)

Also for GUI you can use ReactJS, JavaFX but not Java Swing which was considered a dead technology by the time I was born in 2004.

For the Server side you can also use Spring Boot.

Remember in case of GUI part server side (if used) MUST BE java based which is mandatory [No Node JS or any other other than java based].

I asked google to confirm:

Is Java Swing dead?

You can say that **Java Swing** is a zombie: It is still available and in use in its latest development state, but makes no progress in regard to improvements. If software development follows one rule, it is that software that isn't actively developed anymore is **dead**. Feb 11, 2019

Is JavaFX Dead 2020?

Many folks assume that client Java is **dead**; however, **JavaFX** is still alive and well with more usage, more platforms, and more community support than ever. Dec 10, 2019

5. Always always always remember what is important is OOP Concepts that we have learned/learning must be properly used.

6. While 4th Jan 2021 is summative submission we will have formative submission as follows:

I. POJO =>

Deadline to Submit: 16th Nov 2020

II. LeagueManager interface and PremierLeagueManager class upto:

- • Create a new football club and add it in the premier league.

- • Delete (relegate) an existing club from the premier league.

- • Display the various statistics for a selected club.

- • Display the Premier League Table, i.e. display all the teams playing in the premier league and some of their statistics, in descending order, according to the points they have. Thus, the club which has the maximum number of points should be displayed first, the club being second in the league should be displayed next, etc. In the case which two clubs have the same number of points the club with the best goal difference should appear first.

Deadline to Submit: 23rd Nov 2020

III. Following implementations in PremierLeagueManager class upto:

- • Add a played match with its score and its date, so that the statistics of the two clubs involved and the premier league table are updated automatically.

- •   Saving in a   file of all the information entered by the user. **[Use of database is strictly prohibited]**

- • The next time the application starts it should read all the information saved in the previous file (resume/recover the previous state of the program) and continue its operation based on that with the user being able to enter new information or change the existing information.

Deadline to Submit: 30th Nov 2020

IV. Console application where students are expected to create a menu in a main class

Deadline to Submit: 7th Dec 2020

V. GUI using JavaFX the whole section 3. in the assignment specification: 30th Nov 2020 to 14th Nov 2020 (Two weeks)

Deadline to submit: 17th Dec 2020

7. Rubrics can be found from BB [Coming soon!!!... Stay Calm]

8. Most importantly, No clarification will be provided regarding the assignment as per my knowledge everything is clear if you feel anything isn't clear THEN MAKE YOUR OWN ASSUMPTION AND STATE THOSE ASSUMPTIONS IN THE ASSIGNMENT SOLUTION BOTH IN THE CODE AND DOCUMENTATION PLEASE REMEMBER ASSUMPTION MUST ALWAYS HOLD TRUE SO DON'T MAKE ASSUMPTION THAT CONTRADICTS THE SPECIFICATION.

9. You are expected to submit two artifacts:

i. Code = code file in the ZIP format [Remove all bins and executables and library] (No RaR or any other compression are allowed and will result in ZERO)
ii. Report = Containing all code you wrote, design, unit test code to turnitin submission

10. No UI builder can be used for GUI [hand code everything from scratch]

11. Assignment Material Can be found from: https://drive.google.com/drive/folders/1624w1FdGyW7cJBNOgpyA7vAi8kD86XKF?usp=sharing

12. All OOP Material use to teach by programming team can be found from: https://drive.google.com/drive/folders/1mKYBN8ZnIcrIgnJF933iY1_wYEE0wLNb?usp=sharing

With regards,

Guhanathan Poravi
MBA in IT (Moratuwa), MSc in CS (Peradeniya), BSc in ISMgmt (Madras), GNIIT (NIIT - India), MBCS (UK).

Senior Lecturer Grade I

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Guhanathan Poravi <guhanathan.p@iit.ac.lk>　　　　　　　　　　Fri, Nov 6, 2020 at 1:29 PM
To: Jihan Jeeth <jeeth.2018453@iit.ac.lk>
Bcc: l5se@iit.ac.lk

13. Also @Jihan Jeeth from IP is willing to help you guys.

14. No plagiarism of any sort including illegal collaboration to do this assignment with other students [This is an individual assignment therefore don't ask from your batchmates or dont say anything to your batchmates about this assignment]

Follow DONT ASK DONT SAY POLICY

15. DONT WATCH ANY YOUTUBE VIDEO OR ANY SORT AND EMULATE THE THE SOLUTION REMEMBER YOUR BATCH HAS 600++ BOTH FT AND PT ALL OF YOU WILL BE WATCHING YOUTUBE SO THERE IS A POSSIBILITY OF ALL OF YOU ENDING UP PLAGIARISED

Watch videos, understand, throw it away and code based on the understanding not based on what you have seen in the video

More to follow.....

With regards,

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