**Final Project Submission/Presentation Check List**

**All items must be submitted using Blackboard by the due date April 23rd.**

**Item 1 is required to receive any grade on any of the following Items. The source code is validated as part of Item 6. Omission of Item 1 results in a 0 /200 for the Team project.**

**Items 2 thru 4 count 50 points.**

**Item 5 counts 50 Points.**

**Item 6 counts 100 points.**

**There are 200 points possible.**

1. **Final Project Source Code Submission to Blackboard**

Your complete source and object code for your final project must be submitted in the form of a zip file (Standard Windows Compression). The structure for the directories containing the source and object code can be in any way you like. The name of the zip file should be named *Source* and must be submitted using Blackboard by the due date.

Suggestion: Zipping up your Github project would be the easiest way to satisfy this requirement.

The validation of your source code will be performed during the demonstration (Item 6), but you still must submit your source code to Blackboard.

**\*\*OBVIOUSLY STILL HAVE TO TURN IN\*\***

1. **Junit Testing Classes (20 points) -Turn in as part of source code**

Junit should be utilized for implementing Unit and Integration Testing for your project. The following test cases should be implemented:

1. At least one Test Class created using Junit that performs a **Unit** test on at least one of your selected classes (you can pick any class you want)
2. At least one Test Class created using Junit that performs an **Integration** test on a group of classes (you can pick any group of classes you want)

The Unit Test Class should provide a test method for testing each major method of your selected class.

The Integration Test Class should provide a test method for testing each major method of your selected group of classes.

The naming of the Junit Test Classes should be *YourClass***Test***.java* where *YourClass* is the name of the source code class that you have selected.

Suggestion: You do not have to run the JUNit testing from the command line – I can just run it from within Papyrus if you are using a Papyrus project and you zip up your papyrus project.

**I will ask you to perform these tests during the Project Demonstrations**.

**\*\*STILL NEED TO IMPLEMENT AND SUBMIT\*\***

1. **Final Class Diagram (Program Documentation) (20 points)**

The class diagram that you originally created within the “Team Design Document” must be modified to represent the final project software classes as closely as possible. You will need to submit an image named “ClassDiagram.png” representing the source code submitted in **item 1** above. If you are using Papyrus, this image should just be exported from the model.

**The Final Class Diagram should illustrate the Class Name, attributes, methods and relationships between the classes**.

**\*\*STILL NEED TO DO ONCE FINAL CODE IS DONE\*\***

**You will show the Final Class Diagram to me during the Presentation.**

1. **Project Installation and Instructions for Running Project using bat/sql files (10 points)**

Your project must run under either Windows 7 or Windows 10 OS. Instructions on how I install your source/object code on my computer and how I run your project must be provided. The instructions should be placed in a text file named “ReadMe.txt” uploaded separately at Blackboard.

At least one bat file must be provided for running your program (you can provide as many as you need).

Instructions on how to run your bat files must be provided within the “ReadMe.txt” file.

Any sql file(s) needed for configuring your data base must be provided and named project(s).sql. The sql file must be uploaded separately to blackboard as well. Instructions on using the sql file must be provided within the “ReadMe.txt” file

**You will show the bat files to me during the Presentation.**

**\*\*STILL NEED TO CREATE BATS AND DO README.TXT\*\***

1. **Project Introduction/Overview (50 points) 5 – 10 minutes**

One team member will present a powerpoint presentation providing the introduction and overview of the team projects. The following slides should be prepared:

Slide 1: Introduction Slide. Should contain the following:

1. Name of Project
2. Team Members
3. One sentence describing the project

Slide 2: Package Diagram. Should contain the following:

1. Package diagram with all Packages (sub-systems) labeled
2. Responsible Team member(s) name embedded within each Package

Slide 3: Database Design Diagram. Should contain the following:

1. E-R Diagram with tables, columns, and primary keys identified
2. Draw in word or powerpoint

The purpose of Slides 4 thru 6 provides an example of how your project proceeded through the entire Software Engineering process. This is to show where your project does match

Slide 4: Functional Requirement Example. Should contain the following:

1. A Functional Requirement(s) of your choice.

Slide 5: A Use Case Description Example. Should contain the following:

1. The Use Case Description (not Use-Case Diagram) of the Functional Requirement(s) of Slide 4.

Slide 6: A Class Diagram Example: Should contain the following:

1. The *initial* Class Diagram (i.e., *Design*) pertaining to the Use-Case Description of Slide 5. (Only show the Class(es) pertaining to the selected Use-Case Description)

The Grading for this presentation will be conducted as follows:

1. Slide 2 – 5 points
2. Slide 3 – 10 points
3. Slides 4 thru 6 – 35 points

Grading is based on how good your example is and how clearly it is presented. **Your example should be specific to your project** .

*Please avoid using the Login or Create Account as your example* since most of this was done in class*.* Keep in mind that the Login/Create Account was provided as an example just to help you get started.

1. **Project Demonstration (100 points) 10 to 15 minutes**

The **schedule** for team project demonstrations will be presented on the Thursday just before the MFAT Test – attendance for MFAT test is required and counts 50 points.

The order that the teams demonstrate will be selected randomly.

A specific time will be given for the team demonstration and the team is expected to be there.

Each team will have up to 20 minutes for the demonstration.

**You only have to attend *at the time of your presentation*.**

4 teams will present on Tuesday and 4 teams will present on Thursday.

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The demonstration will consist of me examining and testing your project. **There is no powerpoint involved here**. I will be checking for the following during the demonstration:

1. That the functional requirements provided in your requirements document are implemented.
2. That the client/server exchange data properly
3. That the database is being used to store the username/password
4. The accuracy of your program (how accurate the results are)

Your project must utilize client –server architecture.

Your project must run the server and client on different computers (see additional document)

A rubric has been provided showing how I will grade this demonstration.