**Mocking, Gradle, & Git Assignment**

**Due Wednesday May 17 at 11:59 pm**

**JUnit + JMockit (30 points):**

In this assignment, you will test a Java class **UserAdmin** by mocking an interface **DBConnection**. Use Eclipse version Neon for this assignment.

* Rename the project to “Assignment4\_<YourLastName>”.
* You are required to use JUnit 4 and JMockit for this assignment.
* Your JUnit test class should be in the test subdirectory with the standard naming conventions just like the JUnit assignment
* You are expected to “fully” test the **UserAdmin** class; you should see every error message.
* Test according to the specifications (JavaDoc and comments) in the source code.
* Do NOT change the DBConnection, User or UserAdmin classes.
* For this assignment, you are also graded on the overall coverage of your JUnit tests.

**Gradle Build File + Git (20 points):**

1. Import the project using git with a gitlab account (You make to make a gitlab account)
   1. Import URI: <https://anepaul@gitlab.com/anepaul/Assignment4.git>
   2. Enter you gitlab username and password for Authentication section
2. Add the testing dependencies for the project using the build file
3. Follow the good practices defined in lecture
4. Create a new branch with your name. Eg. ANepaul-branch
5. Make descriptive short commit messages with you commit
6. Make sure to push your changes back to the server

**Submission Instructions:** Submit a zipped version of your project directory via Canvas. This zip file should be named **Assignment4\_<YourLastName>.zip** and contains a folder named **“Assignment4\_<YourLastName>”.** Use the project handling hand out if needed.

**Important:** Start early and ask questions early. For all assignments, your questions will NOT be answered if received after the weekend before they are due. If you have questions, email them to [anepaul@fc-md.umd.edu](mailto:anepaul@fc-md.umd.edu).