Category Two Artifact Instructions

**Exact workspace used to develop the Java slide show application: (Can be run using other operating systems but may run into unknown issues.**

* Windows 64-bit Operating System
* Eclipse IDE for Java developers 2024-03 Windows 64bit version
  + download link: <https://www.eclipse.org/downloads/packages/release/oxygen/3a/eclipse-ide-java-developers>
* JRE System Library [jdk-22] Windows x64 installer
  + download link: <https://www.oracle.com/java/technologies/javase/jdk22-archive-downloads.html>
* Optional: JUnit (Used to run unit tests)

**Instructions to review the entire project:**

1. Download and install the Eclipse IDE
2. Download and install the JRE System Library [jdk-22]
3. Unzip the “All Category One Technical Artifact Files.zip” folder
4. Run the Eclipse IDE, click “file” at the top right corner, and click “Open projects from file system”
5. Click “directory” and find the “Category One Artifact - Enhanced” folder. Then click “Select Folder.” This will open up the entire project in the Eclipse IDE.
6. Before running the project, ensure the build path has been configured correctly.
   1. First, right-click the slide show project in the package explorer.
   2. Second, Click “Build Path,” and then “Configure Build Path”
   3. Under the libraries tab, ensure the Modulepath contains the JRE System Library [jdk-22].
      1. If it does not, click on “Modulepath,” and then click “Add Library”
      2. This will open the Add Library tab. In the add library tab click JRE System Library and make sure Workspace default JRE (jdk-22) is active.
      3. Click Finish
      4. Click Apply and Close
   4. Optional: If you would like to run the unit tests add JUnit to the “Classpath”
      1. Click “Add Library”
      2. Click “JUnit”
      3. Choose a JUnit version
      4. Click Finish
      5. Click Apply and Close
      6. In the Project Explorer, go into the src folder and find the “snhu.jukebox.playlist.tests” package (This is where the unit tests are located)
      7. To Run the test file:
         1. Right-click the the “DominickMarquezTest.java” file
         2. Hover over “Run As” and select “JUnit Test”
7. To run the project in the Eclipse IDE, click the green play button located on the toolbar.
   1. Optional: If you run the unit test before running the application you will need to right-click the CS 310 jukeboxPlaylist project folder, hover over “Run As” and select “Java Application”