**University of Maryland University College**

**CMIS 440 Advanced Programming in Java**

**Project 5**

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# **Environment Description**

Operating System: Microsoft Windows 10

Integrated Development Environment: Apache NetBeans Version 11.1

Application Server: GlassFish Server Version 5

Database: Oracle

Web Browser: Internet Explorer

Data File: Project 5 – Albums DB

# **Instructions how to set up and run your project.**

To set up this project launch Netbeans and open the Project 5 web application.

# **Description of all the steps to make to the project.**

# The first thing I did was create my derby database to hold album info. The database holds the album info table which consists of the following columns:

Id (primary key)

Title

Artist

Length

Genre

Release Year

Then I created my html pages; index, add, view, and search:

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Then I created the Servlets for adding, viewing and searching:

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# **Screen capture demonstrating the successful compilation and running of the project on your platform.**

# Home Page

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Search Page

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Add Record Page

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View Database Contents Page

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Add Servlet

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View Servlet

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Search Servlet

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# **Lessons Learned**

I learned how to use servlets to execute sql statements to add, search, and view a database. I also learned how to use java print statements to print html code. I learned how to pass parameters taken from the user to the database.