

# Department of Computer Science and Engineering Database Management Systems — CMPS 451 Dr. Rehab Duwairi | Fall 2023 Course Team Project

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**Part A — Description of the application**

1. **DBMS software:**
2. SQL was used to create the relations and the metadata tables. The relations chosen were (*Airplane* and *Airplane\_Type*) from *Airline ERD*.
3. As well as the metadata tables (*IndexMetadata*, *tableMetadata* and *columnMetadata*).
4. **GUI:**
   1. Eclipse IDE was used to create the application and the API using Jswing to create interactive windows.

**Part B — Application folders**

1. **SQL code:**
2. **Eclipse Application:**

To run the GUI application you need:

1. Eclipse IDE.
2. To import the library .jar files “ojdbc11.jar” and “rs2xml.jar” which are attached with the project.
3. Install “Windowbuilder” from “marketplace” in Eclipse.
4. Finally the SQL connection has to be running in SQL.

**Part C — Screenshots**