



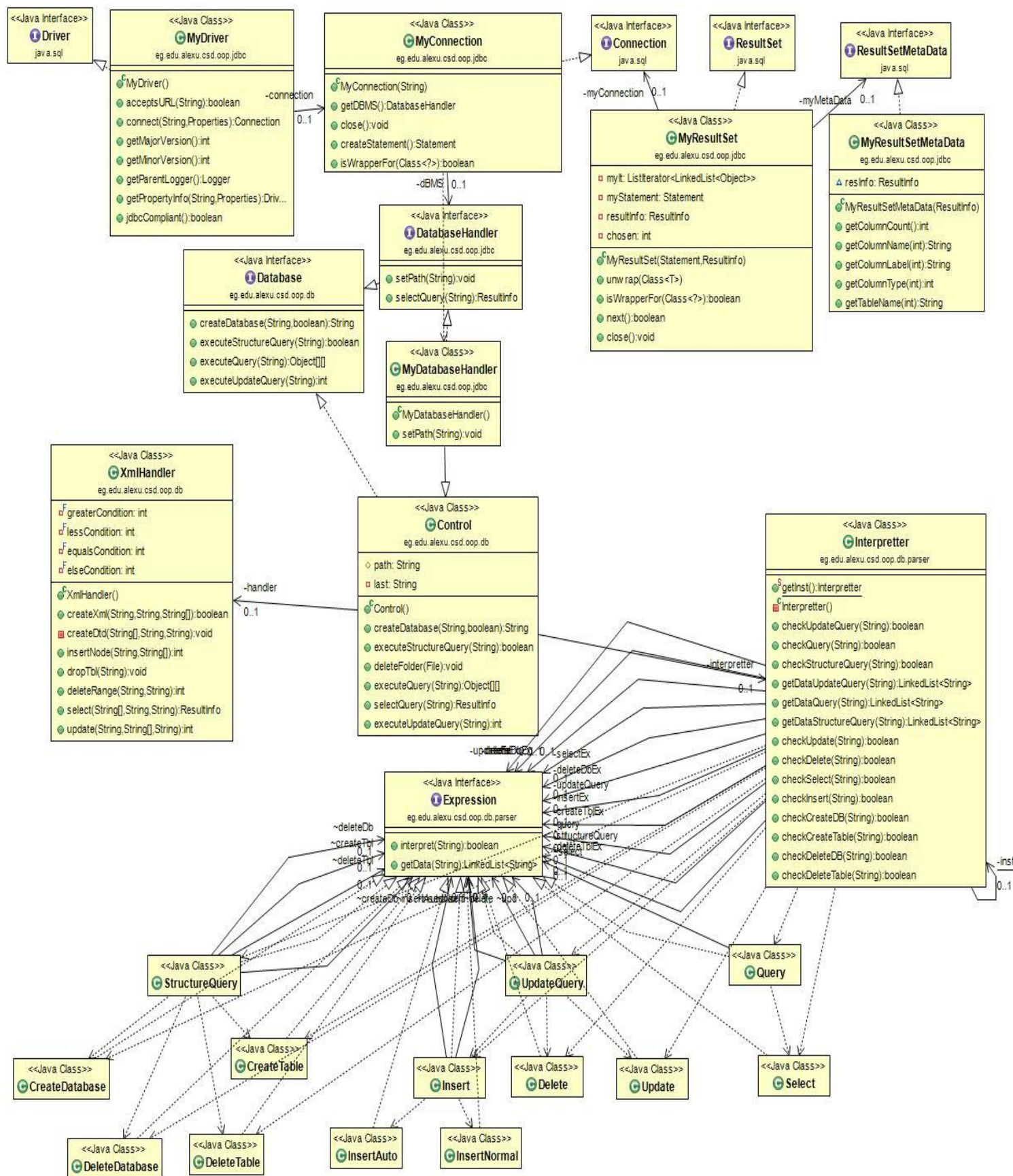
Alexandria University
Faculty of Engineering
Computer and Systems Engineering Dept
CS221: Programming-2

JDBC

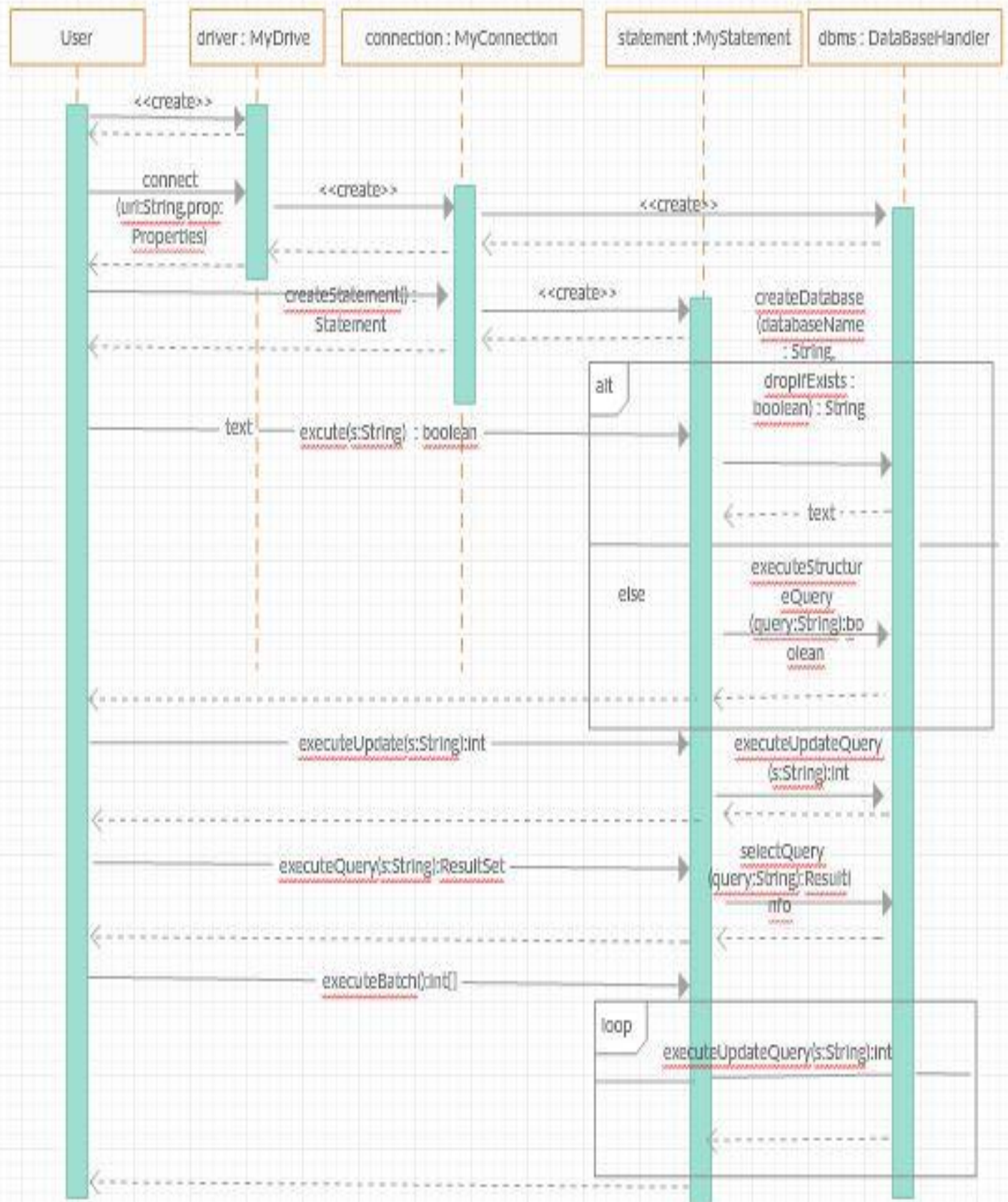
Names :

- Sherif Hassan Waly (30)
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Class Diagram:



Sequence Diagram:



Design discussion:

Java Database Connectivity (**JDBC**) is an application programming interface (API) for the programming language Java, that defines how a client may access a database. It is part of the Java Standard Edition platform, from Oracle Corporation.

Our design is built on the following steps:

- 1-The user creates a driver.
- 2-He will be connected to a database using connection.
- 3-In the statement the DBMS is used to deal with the data base.
- 4-The user is now connected to the database and he can do a lot of quereies.
- 5-He creates a table using a structure query.
- 7-He can insert,delete of ubdate rows using update queries.
- 8-He can select multiple result set and get all the table information.

Design patterns used:

- 1-Interpreter.
- 2-singleton.