

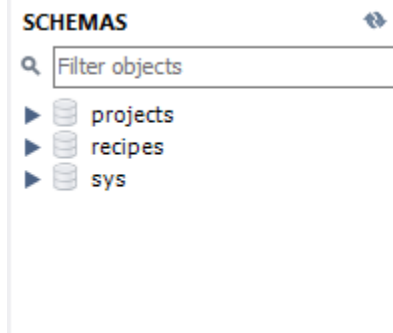
Johnny Lee

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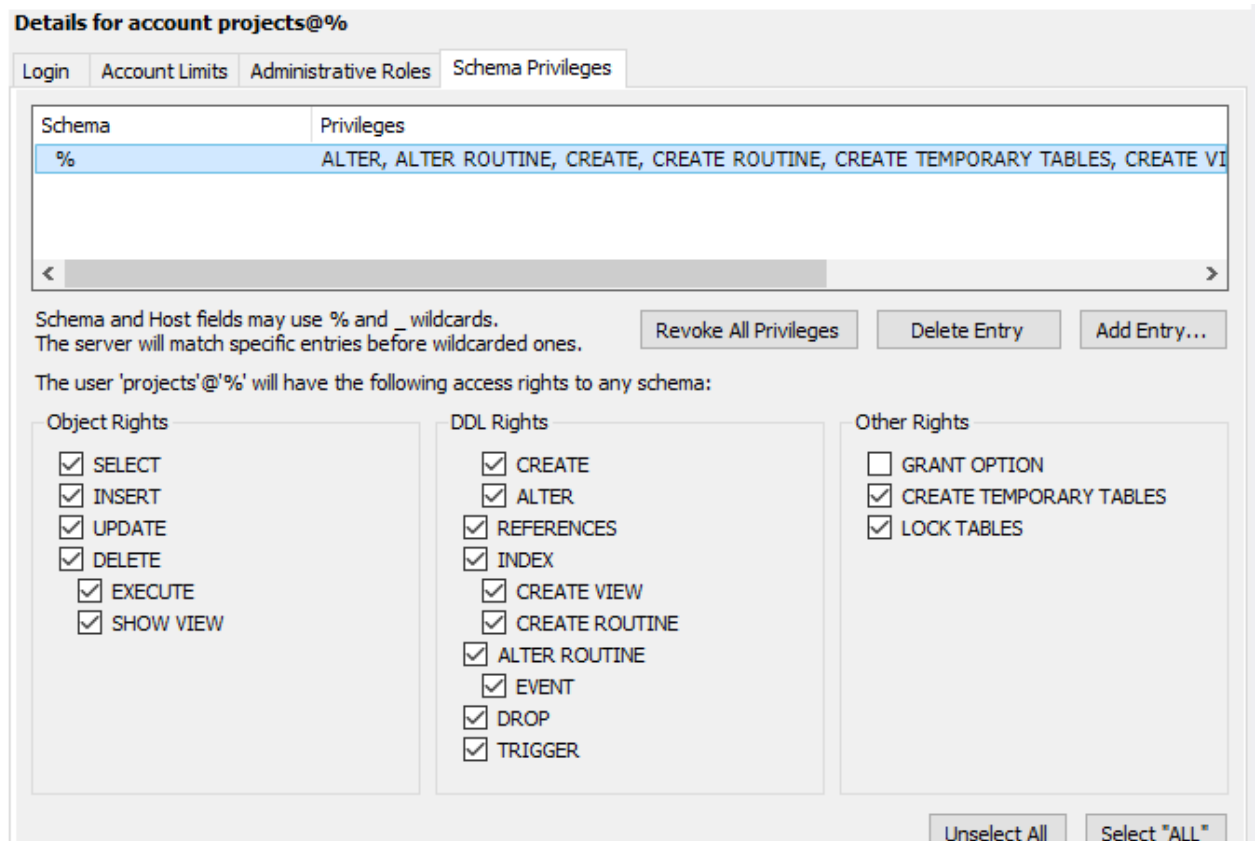
Week 7 Coding Assignment

Link to github repo: https://github.com/johnnylee-55/week7_codingassignment

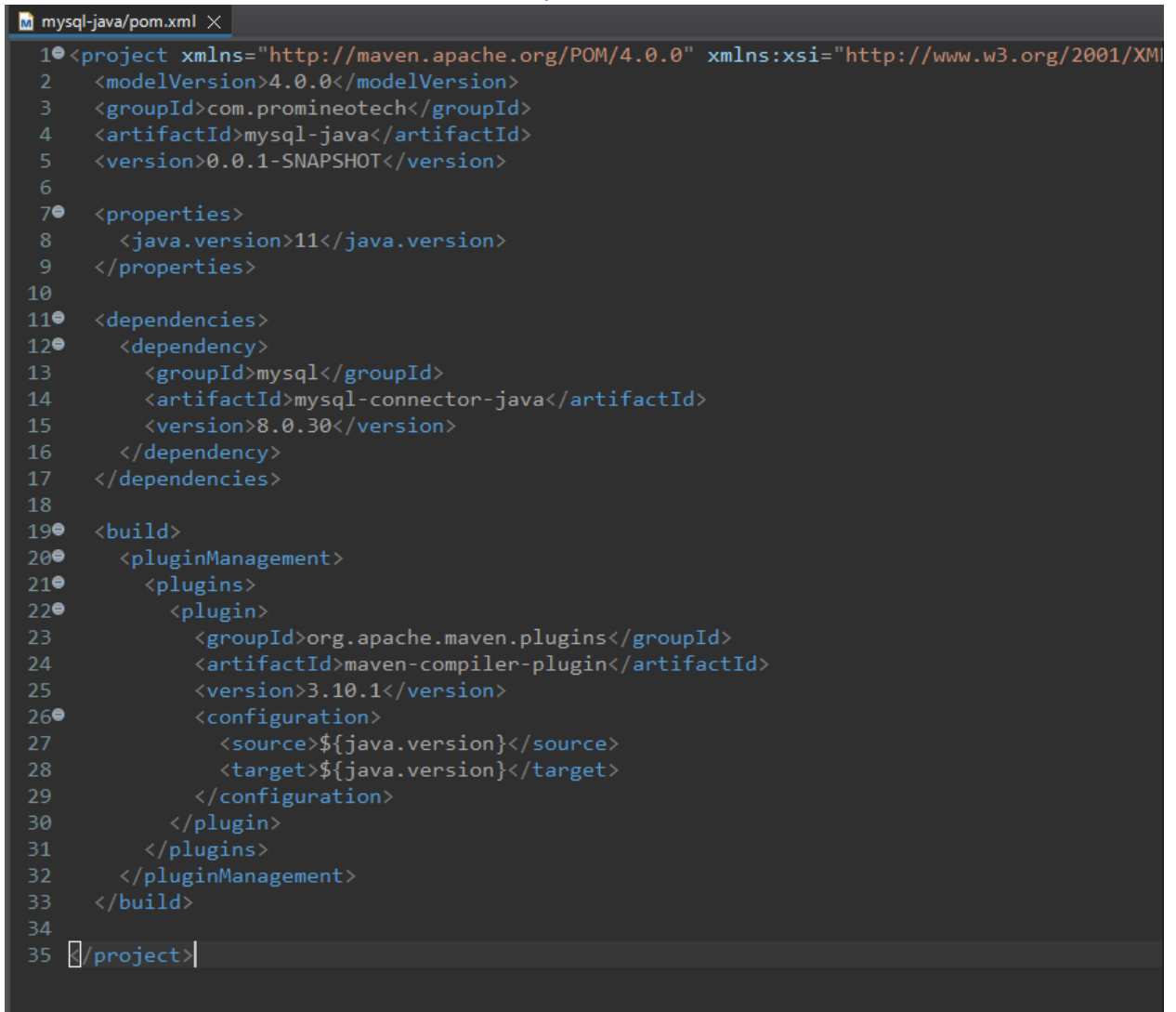
- 1) Create a schema named "projects". Take a screenshot showing the projects schema.



- 2) Add all privileges except "GRANT OPTION".

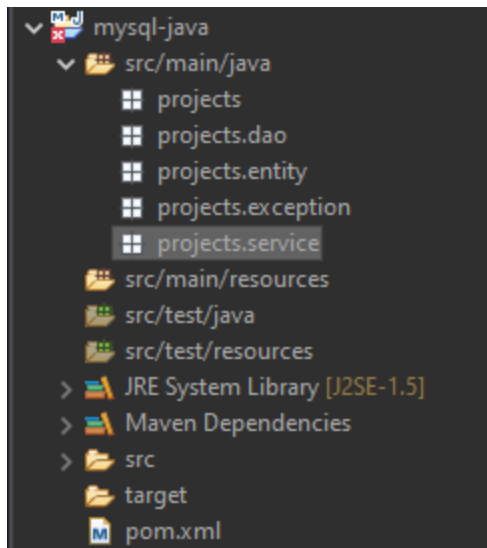


- 3) Take one or more screenshots to show all of the pom.xml



```
1 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
2   <modelVersion>4.0.0</modelVersion>
3   <groupId>com.promineotech</groupId>
4   <artifactId>mysql-java</artifactId>
5   <version>0.0.1-SNAPSHOT</version>
6
7   <properties>
8     <java.version>11</java.version>
9   </properties>
10
11  <dependencies>
12    <dependency>
13      <groupId>mysql</groupId>
14      <artifactId>mysql-connector-java</artifactId>
15      <version>8.0.30</version>
16    </dependency>
17  </dependencies>
18
19  <build>
20    <pluginManagement>
21      <plugins>
22        <plugin>
23          <groupId>org.apache.maven.plugins</groupId>
24          <artifactId>maven-compiler-plugin</artifactId>
25          <version>3.10.1</version>
26          <configuration>
27            <source>${java.version}</source>
28            <target>${java.version}</target>
29          </configuration>
30        </plugin>
31      </plugins>
32    </pluginManagement>
33  </build>
34
35 </project>
```

- 4) Create the following packages and sub-packages under src/main/java. Take a screenshot showing the package structure in the Package Explorer.

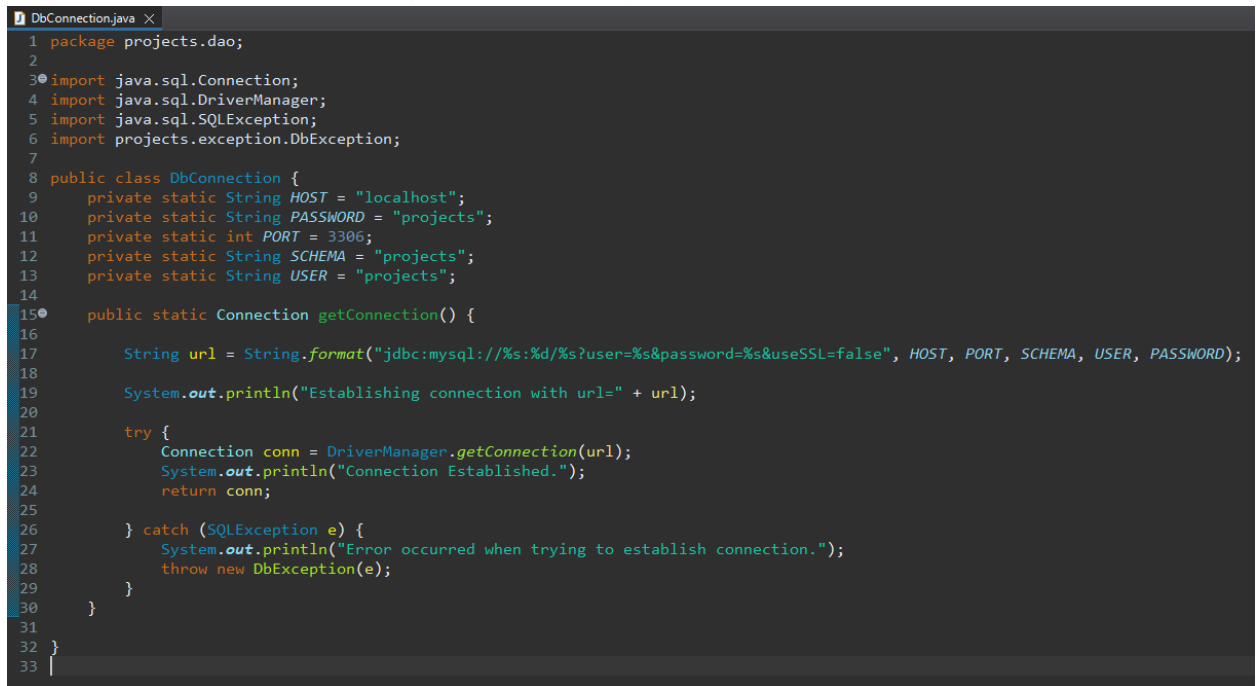


5) Take a screenshot of the DbException class

A screenshot of a code editor showing the source code of the 'DbException.java' file. The code is as follows:

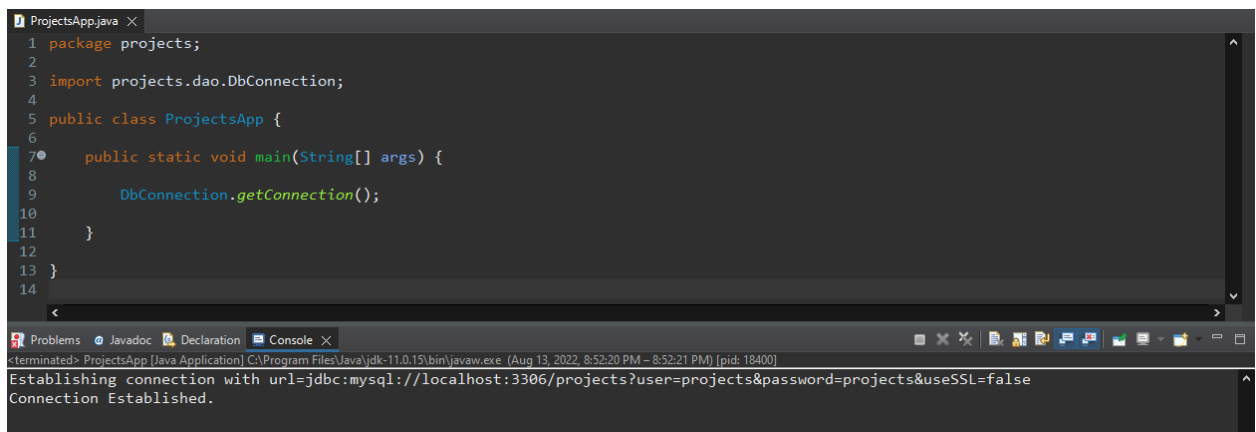
```
1 package projects.exception;
2
3 @SuppressWarnings("serial")
4 public class DbException extends RuntimeException {
5
6     public DbException() {
7     }
8
9     public DbException(String message) {
10         super(message);
11     }
12
13     public DbException(Throwable cause) {
14         super(cause);
15     }
16
17     public DbException(String message, Throwable cause) {
18         super(message, cause);
19     }
20
21     public DbException(String message, Throwable cause, boolean enableSuppression, boolean writableStackTrace) {
22         super(message, cause, enableSuppression, writableStackTrace);
23     }
24 }
25
26
```

- 6) Create a screenshot of the entire (DbConnection) class.



```
1 package projects.dao;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.SQLException;
6 import projects.exception.DbException;
7
8 public class DbConnection {
9     private static String HOST = "localhost";
10    private static String PASSWORD = "projects";
11    private static int PORT = 3306;
12    private static String SCHEMA = "projects";
13    private static String USER = "projects";
14
15    public static Connection getConnection() {
16
17        String url = String.format("jdbc:mysql://%s:%d/%s?user=%s&password=%s&useSSL=false", HOST, PORT, SCHEMA, USER, PASSWORD);
18
19        System.out.println("Establishing connection with url=" + url);
20
21        try {
22            Connection conn = DriverManager.getConnection(url);
23            System.out.println("Connection Established.");
24            return conn;
25        } catch (SQLException e) {
26            System.out.println("Error occurred when trying to establish connection.");
27            throw new DbException(e);
28        }
29    }
30 }
31
32 }
33 |
```

- 7) Run the Java application. Create a screenshot of the console showing that the connection succeeded.



```
1 package projects;
2
3 import projects.dao.DbConnection;
4
5 public class ProjectsApp {
6
7     public static void main(String[] args) {
8
9         DbConnection.getConnection();
10    }
11 }
12
13 }
14
```

Problems Javadoc Declaration Console

<terminated> ProjectsApp [Java Application] C:\Program Files\Java\jdk-11.0.15\bin\javaw.exe (Aug 13, 2022, 8:52:20 PM - 8:52:21 PM) [pid: 18400]

Establishing connection with url=jdbc:mysql://localhost:3306/projects?user=projects&password=projects&useSSL=false
Connection Established.