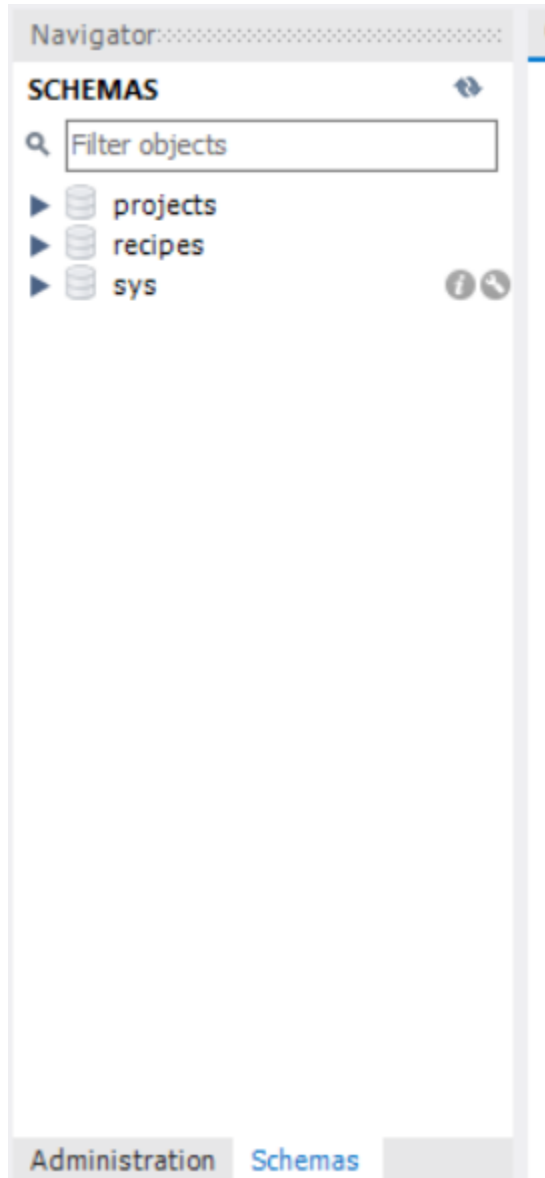
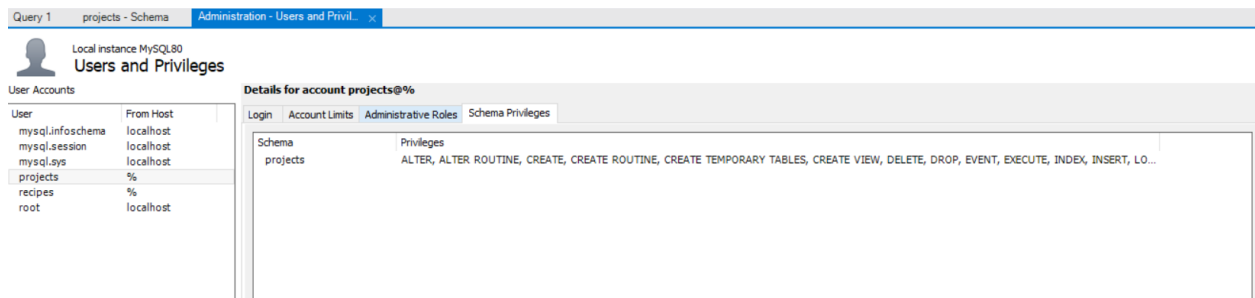


Noah Dearing
Week 7 Coding Assignment

Snippet of Projects Schema.



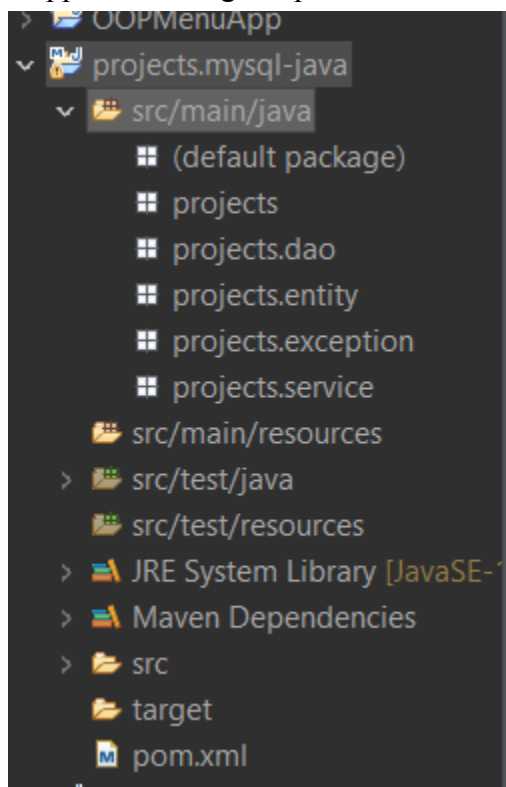
Snippet of projects user privileges.



Pom.xml snippet, after adding the build section

```
projects.mysql-java/pom.xml x
1 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://
2   <modelVersion>4.0.0</modelVersion>
3   <groupId>com.promineotech</groupId>
4   <artifactId>projects.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>
```

Snippet of Package Explorer after creating all packages



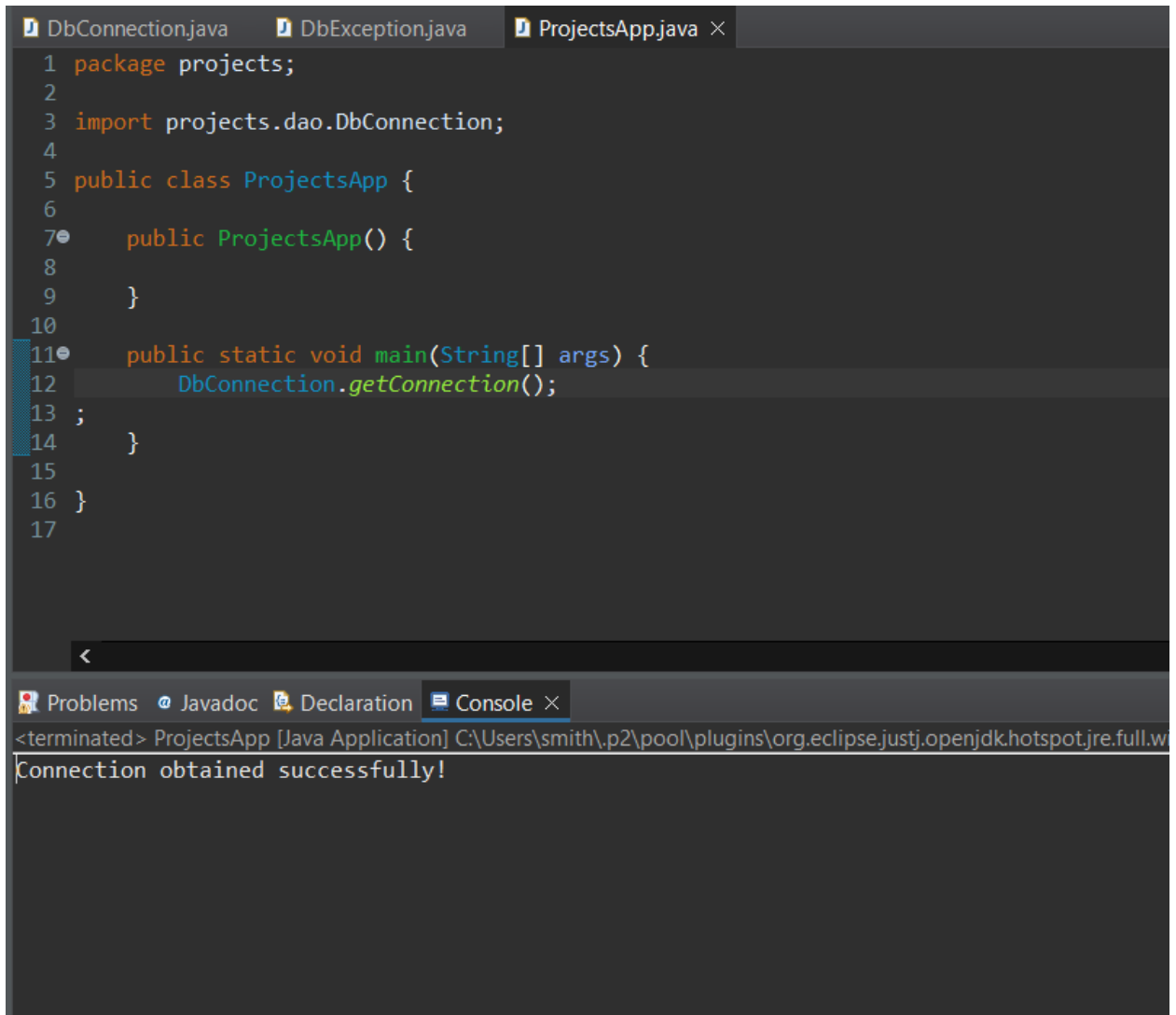
Snippet of DbException class

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

Snippet of DbConnection class

```
1 package projects.dao;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.SQLException;
6
7 import projects.exception.DbException;
8
9 public class DbConnection {
10
11     private static final String SCHEMA = "projects";
12     private static final String USER = "projects";
13     private static final String PASSWORD = "projects";
14     private static final String HOST = "localhost";
15     private static final int PORT = 3306;
16
17     public static Connection getConnection() {
18         String url = String.format("jdbc:mysql://%s:%d/%s?user=%s&password=%s&useSSL=false", HOST, PORT, SCHEMA, USER, PASSWORD);
19
20         try {
21             Connection conn = DriverManager.getConnection(url);
22             System.out.println("Connection obtained successfully!");
23             return conn;
24         } catch (SQLException e) {
25             System.out.println("Connection failed. Try again later.");
26             throw new DbException();
27         }
28     }
29
30     public DbConnection() {
31
32
33
34
35     }
36
37
38
39 }
40
```

Snippet of running ProjectsApp



The screenshot shows the Eclipse IDE with three tabs: DbConnection.java, DbException.java, and ProjectsApp.java. The ProjectsApp.java tab is active, displaying the following code:

```
1 package projects;
2
3 import projects.dao.DbConnection;
4
5 public class ProjectsApp {
6
7     public ProjectsApp() {
8
9     }
10
11     public static void main(String[] args) {
12         DbConnection.getConnection();
13     }
14 }
15
16 }
17
```

Below the code editor, the Console tab is active, showing the output:

```
<terminated> ProjectsApp [Java Application] C:\Users\smith\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.w
Connection obtained successfully!
```

[GitHub Repository](#)