

Alu-car-d Rental Vehicles

December 2024

contributors

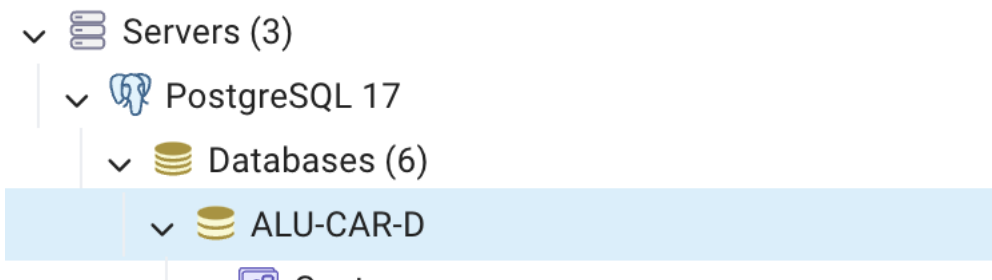
- Bradley Watkins - Littlewoko
- Iestyn Green - Viiridi
- Justin Hendy - myveryownjustin
- Omar Sufer - Ossanderito

Links

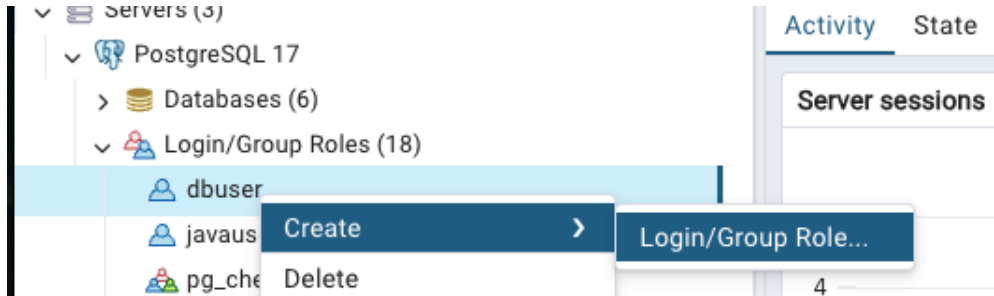
<https://github.com/Littlewoko/L7ControlledAssessment>

Running the application

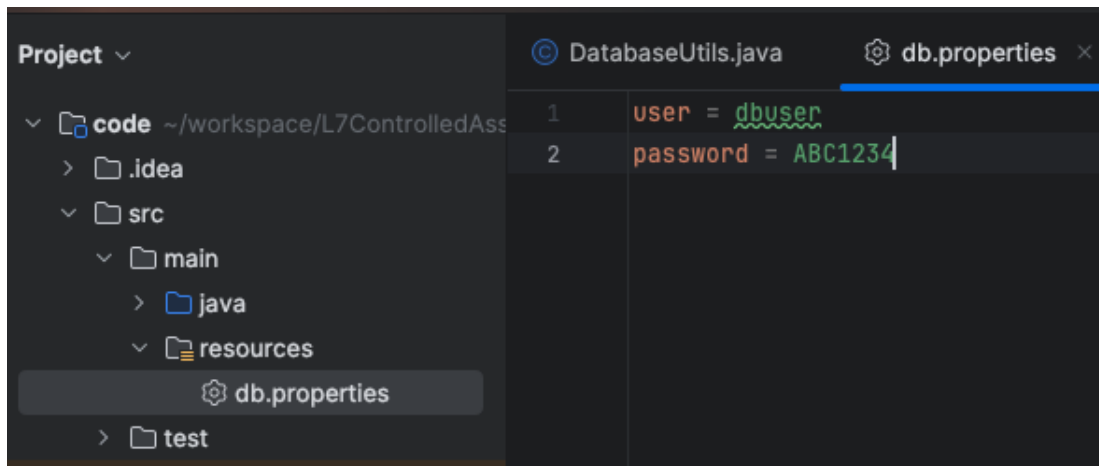
Before running the application, you will need to create a postgres database with the name **ALU-CAR-D** in your desired server instance. You will need the connection string to connect to this instance.



You will then need to create a new login/group role in your server instance named `dbuser` with the password `ABC1234`



Alternatively, if you have a user you would prefer to use, after pulling the github repository you can update the username and password in `src/main/resources/db.properties` to your existing user's details

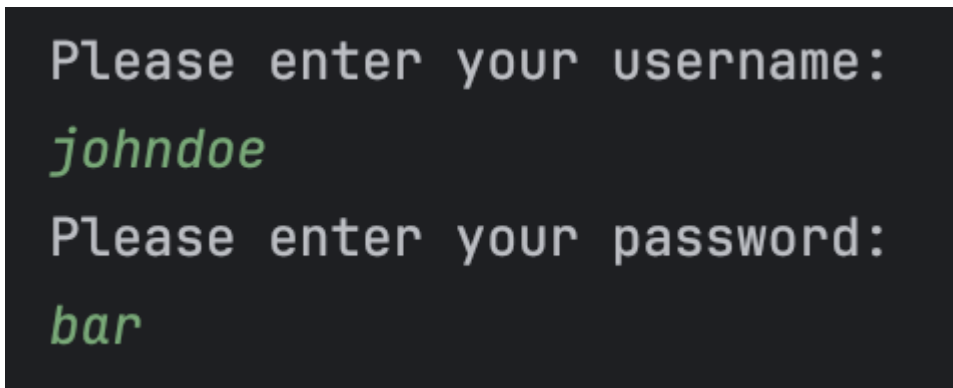


After pulling the github repository, you should open the code folder in your java IDE of choice. Navigate to `src/main/java/Utils/DatabaseUtils` and update the connection string on line 14 to that of your newly created ALU-CAR-D database instance.



```
1 package utils;
2
3 import exceptions.ConnectionToDatabaseFailedException;
4
5 import java.io.IOException;
6 import java.io.InputStream;
7 import java.sql.*;
8 import java.util.Properties;
9
10 public class DatabaseUtils { 16 usages ± Bradley Watkins +1
11     private static Connection connection; 5 usages
12     public static Connection connect() throws IOException, SQLException { 7 usages ± Bradley W
13         if(connection == null) {
14             String connectionString = "jdbc:postgresql://localhost:5433/ALU-CAR-D";
15             Properties props = new Properties();
16
17             InputStream input = DatabaseUtils.class.getClassLoader().getResourceAsStream("na
18             props.load(input);
19
20             try {
```

All table and data creation will be handled for you when running the application. When running the application you will be required to enter a username and password. As you will not yet have registered a user, a default user has been provided for you with username `johndoe` and password `bar`. Enter these values as shown below and you will be presented with the home screen.



To avoid needing to log in via terminal, you can provide the log in details as command line arguments with tags `-u <username> -p <password>`. To set these up in IntelliJ you can navigate to the Run/Debug Configurations menu and provide your arguments to the Program Arguments input box as below.

Run/Debug Configurations

Name: ☐ Store as project file

Run on: Local machine [Manage targets...](#)

Run configurations may be executed locally or on a target: for example in a Docker Container or on a remote host using SSH.

Build and run Modify options

Press for field hints

Working directory:

Environment variables:

Separate variables with semicolon: VAR=value; VAR1=value1

☐ Open run/debug tool window when started

Code Coverage Modify

Packages and classes to include in coverage data

☒ org.main.*

Run

You are now ready to use the application!

Thank you for booking with ALU-CAR-D!