

GUI DETAILS

DAMG-6210

Group-2

Dhwanil Panchani

Shalini Dutta

Atharva Konge

Zeel Patel

Kiran Reddy

A dashboard is created to view and navigate between different CRUD (Create, Read, Update, Delete) tables. To achieve this, you'll need some software installed on your local machine:

- NetBeans IDE
- JDK (version 17)
- JAR files (you can choose any one):
 - mssql-jdbc-12.6.1.jre8-javadoc.jar
 - mssql-jdbc-12.6.1.jre8-sources.jar
 - mssql-jdbc-12.6.1.jre8.jar
 - mssql-jdbc-12.6.1.jre11-javadoc.jar
 - mssql-jdbc-12.6.1.jre11-sources.jar
 - mssql-jdbc-12.6.1.jre11.jar

Connecting to the Database:

Any of the listed JAR files can be used to connect the database with NetBeans IDE for creating a GUI using Swing. You'll need Java code to connect to your SQL Server environment. This code should include your server name, server port number, database name, and the necessary credentials. Once successfully connected, you can start running your .java files.

Creating the Dashboard:

1. Setting Up NetBeans:

- Open NetBeans IDE.
- Add the JAR files to the project library. Right-click on the "Libraries" node and select "Add JAR/Folder." Choose the JAR files you want to add.
- Create a new project by selecting "Java with Ant" followed by "Java Application." Ensure you're connected to your JDK 17 installation.

2. Running the Dashboard:

- Open the project created in step 1.
- Locate the file named "Dashboard.java."
- Run the "Dashboard.java" file. This will open a dashboard containing CRUD options for various tables in the project.
- You can click on any option at a time to open a window specific to that CRUD operation. This window will allow you to manually enter data and perform the desired actions (Create, Read, Update, or Delete).