

# How to Run

## 1. System Requirements & Environment

- **Java Version:** JDK 25.0.1
- **Database:** MySQL v8.0, MySQL 8.0 Command Line Client

## 2. Database Setup

Before running the application, the database must be initialized:

1. Go to the folder `sql/` and open it in **Command Prompt**
2. Execute the following command  
`mysql -u <YOUR_USERNAME> -p < SampleData.sql`
3. You will be prompted to enter your MySQL password.
4. Verify that all databases (auth\_db, erp\_db) and their tables have been created.

## 3. Database Connection Settings

Please ensure the MySQL Username and Password match your local environment:

In the file `src/Backend/util/DB.java`

```
public class DB {  
    private static HikariConfig AuthConfiguration = new HikariConfig(); 4 usages  
    private static HikariDataSource AuthenticationDataSource; 2 usages  
    private static HikariDataSource ERPDataSource; 2 usages  
    private static HikariConfig ERPConfiguration = new HikariConfig(); 4 usages  
  
    private final static String Username = "root"; 3 usages  
    private final static String Password = "MyNewPass"; 3 usages
```

## 4. How to Launch

1. Open the project in your IDE (IntelliJ IDEA / Eclipse / VS Code).
2. Navigate to the entry point class: `src/Main.java`
3. Run the `Main.java` file

## 5. Login Credentials

The SampleData contains accounts with the following usernames, roles and passwords

Username	Password	Role
admin1	DUMMY@123	ADMIN
inst1	DUMMY@123	INSTRUCTOR
inst2	DUMMY@123	INSTRUCTOR
stu1	DUMMY@123	STUDENT
stu2	DUMMY@123	STUDENT