

**PROJECT: 02**  
**GROUP NO: 02**

**BATCH: T2.2410.E0**

## A. SYSTEM REQUIREMENTS:

Sr.	Item	Description
1.	Operating system	Windows 7, 8, or higher
2.	Hardware	CPU Cores or better with 2 Gigabytes of RAM or better
3	Database Engine	<ul style="list-style-type: none"><li>• Microsoft SQL Server 2022 Express</li><li>• SQL Server Management Studio (SSMS) for administration</li><li>• Microsoft JDBC Driver for SQL Server (dll file for Window authentication)</li></ul>
4	Java Runtime	<ul style="list-style-type: none"><li>• OpenJDK 24 or later</li><li>• JavaFX SDK (matching version with JDK) — ZuluFX distribution recommended</li></ul>
5.	Fonts	Standard font Unicode: Arial, Tahoma, etc...
6.	Other requirement	A working internet connection, etc...

**Notes:** Do not install IDEs (Integrated Development Environment) on the system such as **MS Visual Code, Dreamweaver, Netbeans, etc.**

## B. Program Installation

### Step 1: Import the Database

1. Open SQL Server Management Studio (SSMS).
2. Right-click on Databases → select Restore Database....
3. Under Source, choose Device → click Add.
4. Browse to the .bak file located in the “db” folder of the project.
5. Click OK to complete the database restore process.

### Step 2: Enable TCP/IP and Configure Port 1433 (can be skipped if already done)

1. Open SQL Server Configuration Manager.

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(\*) - Installation documentation is included with the installation disc, should follow the proper format which have clear and complete content for anyone to perform.  
- The Center performs the installation and give a notification of the protection list for successfully. Project not successfully installed is Fail.

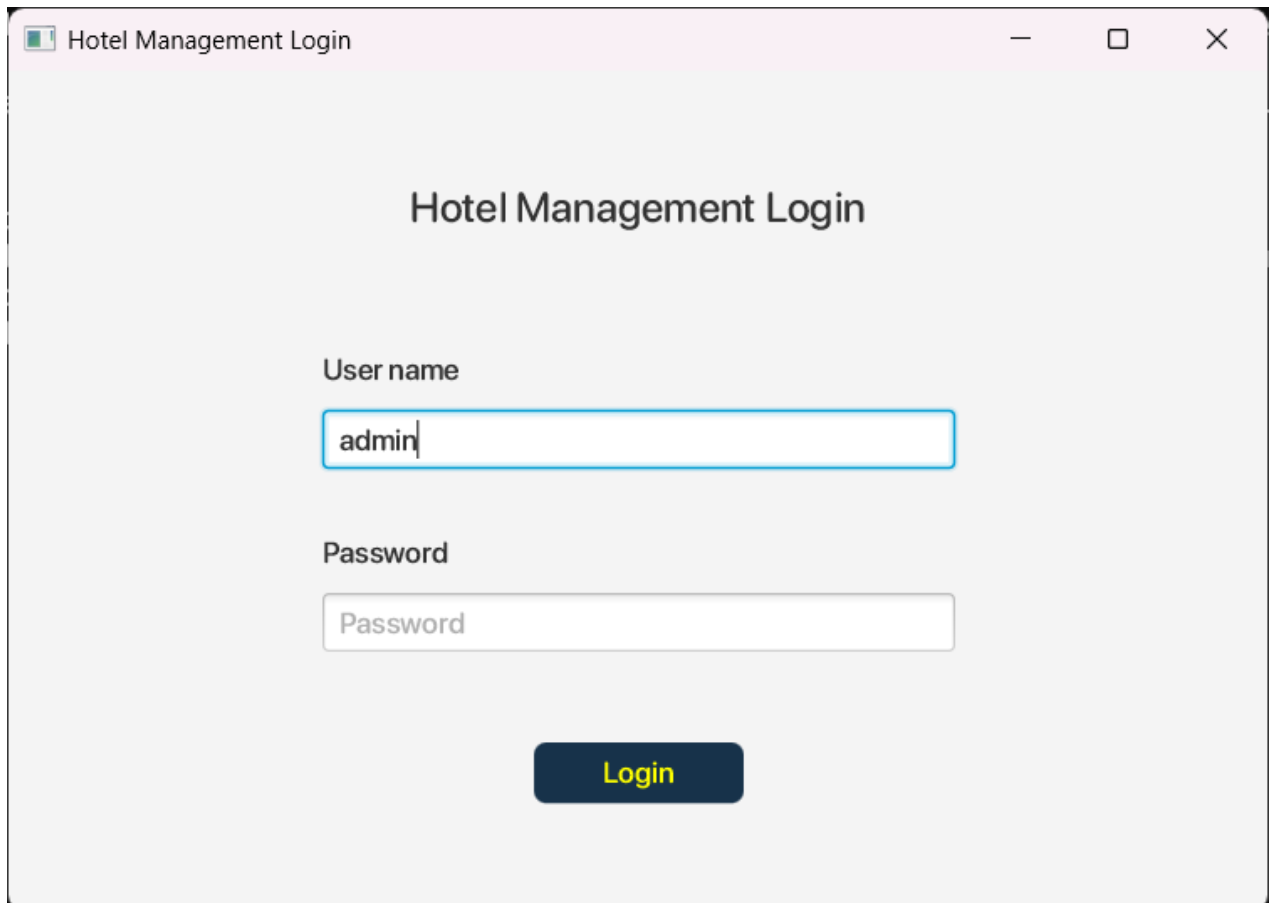
2. Go to SQL Server Network Configuration → Protocols for <InstanceName>.
3. Right-click TCP/IP → select Enable.
4. Right-click TCP/IP → select Properties → go to the IP Addresses tab → scroll down to IPAll → Enter 1433 in the TCP Port field.
5. Restart the SQL Server Service to apply changes.

### Step 3: Run the Application

1. Open the project folder.
2. Run the application by executing the run.bat file  
OR manually run the command on terminal:

```
java -jar target/HotelManagementSystemFXML-1.0-SNAPSHOT.jar
```

## C. Successful test



The screenshot shows a web application window titled "Hotel Management Login". The window has a light gray background and a dark blue header bar with the title. Below the header, the text "Hotel Management Login" is centered. There are two input fields: "User name" with the text "admin" and "Password" with the placeholder text "Password". Below the input fields is a dark blue button with the text "Login" in yellow.

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