PROJECT: 02
GROUP NO: 04   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.	Fonts	Standard font Unicode: Arial, Tahoma, etc…
4.	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. Install required software:
- **NetBeans IDE 26**.
Go to the link below to download:
Apache-NetBeans-27.exe
- **Apache Maven 3.9.11**
Go to the link below to download:
apache-maven-3.9.11-bin.zip
- **JDK FX (latest version by Zulu)**
Go to the link below to download:
Java 8, 11, 17, 21, 25 Download for Linux, Windows and macOS
- **SQL Server Management Studio 21 (SSMS)** for database management
Go to the link below to download:
SSMS_21.exe
- **Microsoft JDBC Driver for SQL Server** (for database connection)
Go to the link below to download:
jdbcsql_13.2.0
- **Git (Optional installation)**
 Go to the link below to download:
git_2.5.1_x64_win

Step 2. Download and Import the project into NetBeans:
- Download project

(*)   - *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.*

+ If Git is not installed:

Go to GitHub Repo: **Preit289/eProject_HKII**

Click **Code → Local → Download ZIP**

+ If Git is installed:

Open Terminal and run:

git clone https://github.com/Preit289/eProject_HKII.git

- Import project

Go to **File → Open Project… →** select the **eProjectHKII** folder.

Step 3. Configure required settings for project operation:

- Set up **Java Platforms** in NetBeans and the project

+ In the NetBeans toolbar:

Go to **Tools → Java Platforms → Add Platforms → Next →** Select the **Zulu JDK-FX installation folder** (usually named Zulu-xx, where xx is the JDK version) **→** Enter **Platform name →** Finish**.**

+ In Netbeans Project Explorer:

Right-click **HotelManagementSystemFXML** (Artifact ID – project display name in NetBeans Projects Explorer) **→ Properties → Build → Compile →** Select the newly added Java Platform (based on the Platform name above) **→** Set Target Release to match the **JDK version.**

- Set up **Maven Home** in NetBeans

In the NetBeans toolbar, select **Tools → Options → Java → Maven →** select **Execution →** choose the appropriate **Maven Home** with the path extracted when downloading **Apache Maven.**

Select the appropriate **Default JDK** that was just added to NetBeans (same as the Java Platform setup for the project).

- Set up **JDBC Driver** to connect to **Microsoft SQL Server** using **Windows Authentication**

Copy the dll file below from the downloaded **JDBC Driver** folder:

sqljdbc_13.2.0.0_enu\sqljdbc_13.2\enu\auth\x64\ mssql-jdbc_auth-13.2.0.x64.dll

Paste it into the bin folder inside the **JDK-FX** installation path.

- Create **Database** in **Microsoft SQL Server**

Go to the project folder **eProjectHKII/docs/ →** Open **Hotel.sql** and **Sample_data.sql** with **SSMS →** Select **Execute**
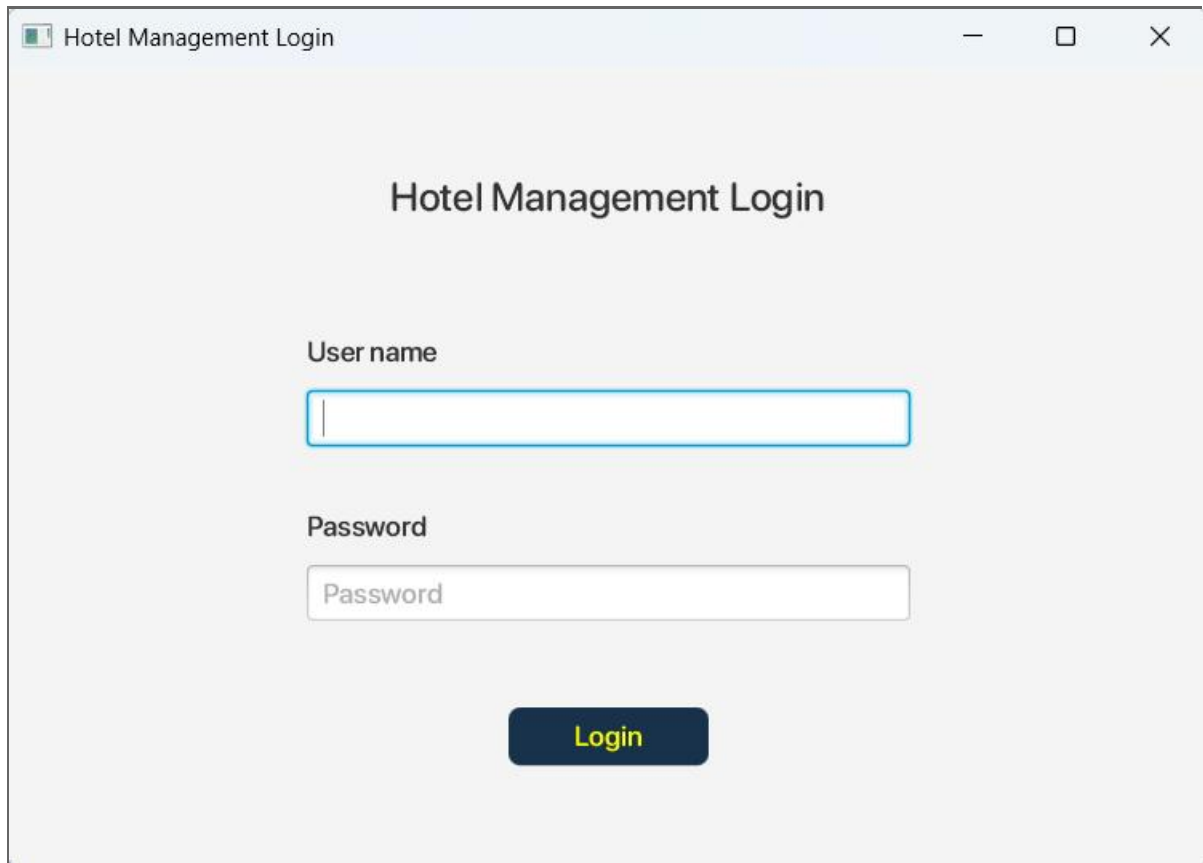
Step 4. Proceed to **clean and build** the project directly on NetBeans by

- Right-click on **HotelManagementSystemFXML → Clean and Build**

Step 5. Run the project directly on NetBeans using the **Run button (F6).**

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- *The Center performs the installation and give a notification of the protection list for successfully. Project not successfully installed is Fail.*

C. Successful test