

**PLATE PORTAL
INSTALLATION GUIDE**

I. System composition

Server: A computer to hold project files and database.

Clients: Computers having web browsers connecting with the server in a LAN.

II. System requirements

1. Server

Hardware:

- Processor speed: 1.4GHz or faster
- Processor type: AMD Opteron,
- AMD Athlon 64, Intel Xeon with
- Intel EM64T support, Intel
- Pentium IV with EM64T support
- RAM: 2GB
- Hard disk space: 20GB
- Graphics card: DirectX 9 with
- WDDM 1.0 driver or later
- Display: 800 x 600 or higher resolution

Software:

- JDK 17
- JRE 17
- Tomcat
- Microsoft SQL Server 2022
- SQL Server Management Studio 19
- SQL Server 2022 Configuration Manager
- Windows 10

2. Clients:

Hardware:

- Processor speed: 1GHz or faster
- RAM: 2GB
- Hard disk space: 20GB
- Graphics card: DirectX 9 with
- WDDM 1.0 driver or later
- Display: 800 x 600 or higher resolution

Software:

- Web browsers
- Windows 10

III. Installing and running

The server must download and extract the project folder beforehand.

1. Server

- Step 1: Start SQL Server service using SQL Server 2022 Configuration Manager
- Step 2: Open SQL Server Management Studio 19 and connect to SQL Server
- Step 3: Open file and execute file plateportal.sql in folder ProjectDB
- Step 4: Open SQL Server 2022 Configuration Manager and enable TCP/IP protocol as well as configure it as follow (activate all IP Address and set all TCP Port to 1433)
- Step 5: Ensure SQL Server has sa account with password sa, if not you can open SQL Server Management Studio 19 and change its password
- Step 6: Open computer's command prompt in folder target
- Step 7: Execute `java -jar JavaWebProject-0.0.1-SNAPSHOT.jar` (this command will start the system at the default port 8080, if you need to run on a custom port execute `java -jar JavaWebProject-0.0.1-SNAPSHOT.jar --server.port=[Your port]`)
- Step 8: Leave the command prompt open

2. Clients

- Step 1: Open a web browser
- Step 2: Connect to URL `http://[Server's IP]:[Running port of the project]`