



Group 6

Deployment Documentation

Vintage



Charity Smith

Edward Spurrell

Dawson Bursey

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System Requirements

Before starting installation, ensure your system meets the following requirements:

- Operating System: Windows, macOS, or Linux
- Java Development Kit (JDK): Version 8 or above
- PostgreSQL: Version 12 or above
- pgAdmin: Latest version
- Maven: Latest version
- Visual Studio Code (VSCode): Latest version

Installation Instructions

Install PostgreSQL and pgAdmin

1. Download and install PostgreSQL from the official PostgreSQL website
 - <https://www.postgresql.org/download/>
2. During installation set a password for the 'postgres' user (superuser)
3. Install pgAdmin
 - <https://www.pgadmin.org/download/>

Set Up PostgreSQL Database

1. Open pgAdmin and connect to your PostgreSQL server using the 'postgres' user.
2. Create a new database for the application:
 - Name: 'vintage'
3. Create the necessary tables using the provided SQL scripts or manually in pgAdmin
4. Insert initial data using provided SQL statements

Install Visual Studio Code (VSCode)

1. Download and install VSCode from the official website
 - <https://code.visualstudio.com/>
2. Install relevant extensions:
 - Java Extension Pack
 - # Update package index
 - sudo apt update
 -
 - # Install OpenJDK (replace 'openjdk-11-jdk' with the desired version)
 - sudo apt install openjdk-11-jdk
 -
 - # Verify the installation
 - java -version
 - Maven for Java
 - # Install Maven
 - sudo apt install maven
 -
 - # Verify the installation
 - mvn -version
 - PostgreSQL
 - # Install PostgreSQL
 - sudo apt install postgresql postgresql-contrib
 -
 - # Start PostgreSQL service
 - sudo service postgresql start
 -
 - # Access the PostgreSQL command line
 - sudo -u postgres psql

Clone the Project Repository

1. Open a terminal or a command prompt.
2. Clone the project repository using Git:
 - git clone https://github.com/espurrell/JAVA_Final_Sprint.git
3. Navigate to the project directory:
 - cd vintique-ecommerce

Configure the Application

1. Open the project in VSCode
2. Configure the database connection to the application:
 - Open the App.java class
 - Set the database URL, username and password:
 - `spring.datasource.url=jdbc:postgresql://localhost:5432/vintique`
 - `spring.datasource.username=postgres`
 - `spring.datasource.password=Keyin2021`

Build and Run the Application

1. Open a terminal in VSCode
2. Use Maven to build the project:
 - `mvn clean install`
3. Run the application:
 - `mvn exec:java -Dexec.mainClass="App"`
4. Access the application via the terminal.

Troubleshooting

- Database Connection Issues: Verify that PostgreSQL is running and the database credentials are correct
- Maven Build Failures: Ensure all dependencies are correctly defined in the 'pom.xml' file.

Common Errors and Solutions

- Error: 'java.sql.SQLException: No suitable driver found'
 - Solution: Ensure the PostgreSQL JDBC driver is included in your project dependencies
- Error: 'ERROR: relation "users" does not exist'
 - Solution: Ensure the 'Users' table is created with the 'vintique' database

