

USER GUIDE

REQUIREMENTS

RECOMMENDED BROWSERS

Supports the following Web Browsers:

- Microsoft Edge 39 and above
- Firefox 53 and 52 ESR and above
- Google Chrome Version 59 and above

Environment Setup

- Java Runtime Environment (JRE)
- Apache Tomcat 8.5.4 (Server)
- MySQL Server 5.6 + MySQL Workbench GUI + JDBC Connector (DB)
- Initialize MySQL tables
- Deploy Project WAR File (Compiled Source)
- Start the Tomcat Service

INSTALLATION

1. Java SE Runtime Environment

a. Download and Install JRE

<https://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>

Java SE Runtime Environment 8u212		
You must accept the Oracle Technology Network License Agreement for Oracle Java SE to download this software.		
<input type="radio"/> Accept License Agreement <input checked="" type="radio"/> Decline License Agreement		
Product / File Description	File Size	Download
Linux x86	71.22 MB	jre-8u212-linux-i586.rpm
Linux x86	86.97 MB	jre-8u212-linux-i586.tar.gz
Linux x64	68 MB	jre-8u212-linux-x64.rpm
Linux x64	83.82 MB	jre-8u212-linux-x64.tar.gz
Mac OS X x64	79.36 MB	jre-8u212-macosx-x64.dmg
Mac OS X x64	70.93 MB	jre-8u212-macosx-x64.tar.gz
Solaris SPARC 64-bit	46.1 MB	jre-8u212-solaris-sparcv9.tar.gz
Solaris x64	43.39 MB	jre-8u212-solaris-x64.tar.gz
Windows x86 Online	1.95 MB	jre-8u212-windows-i586-iftw.exe
Windows x86 Offline	66.37 MB	jre-8u212-windows-i586.exe
Windows x86	68.79 MB	jre-8u212-windows-i586.tar.gz
Windows x64	75.98 MB	jre-8u212-windows-x64.exe
Windows x64	75.05 MB	jre-8u212-windows-x64.tar.gz

2. Apache Tomcat

a. Download Apache Tomcat 8.5.4

<https://tomcat.apache.org/download-80.cgi>

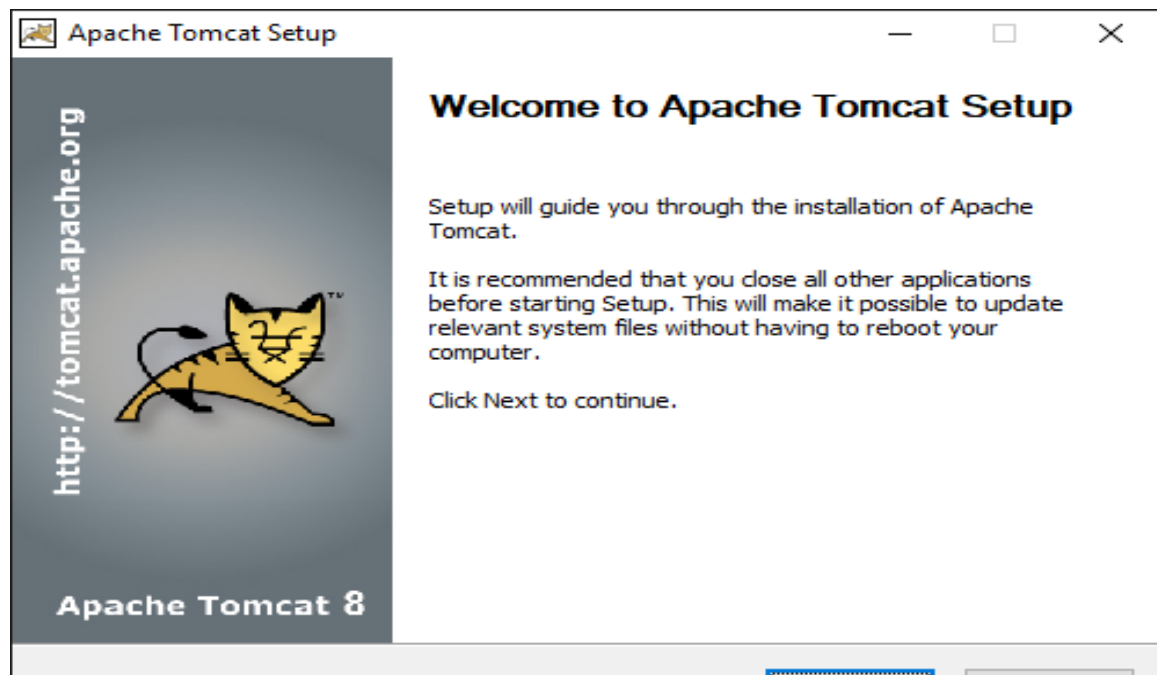
8.5.40

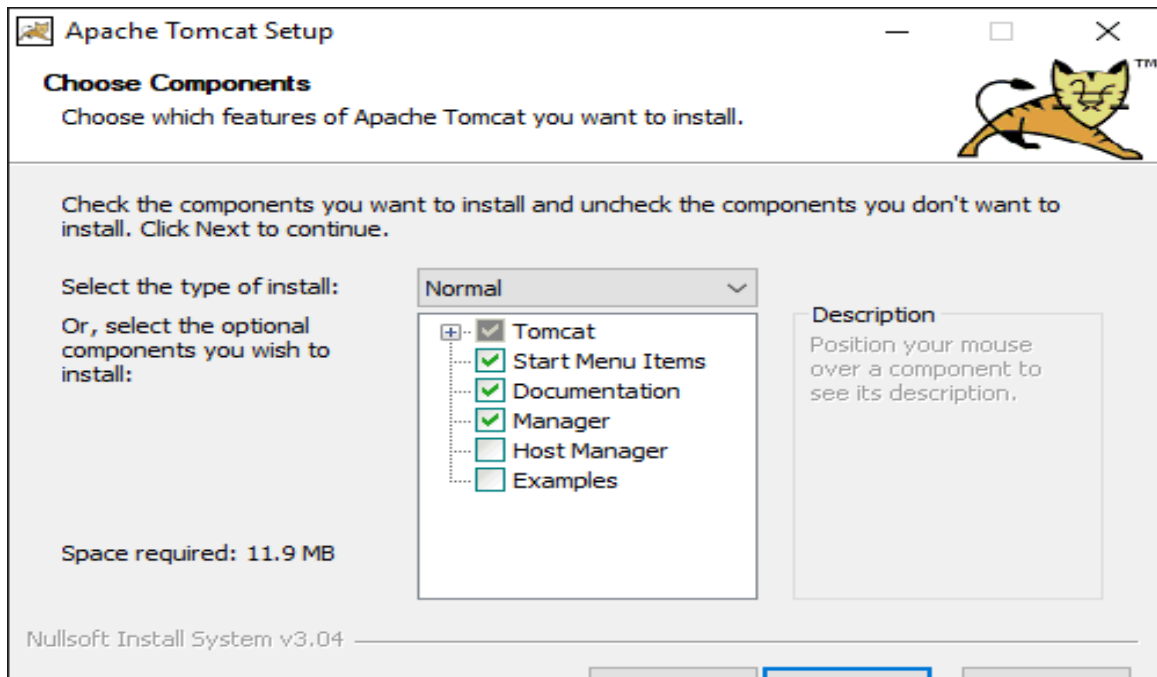
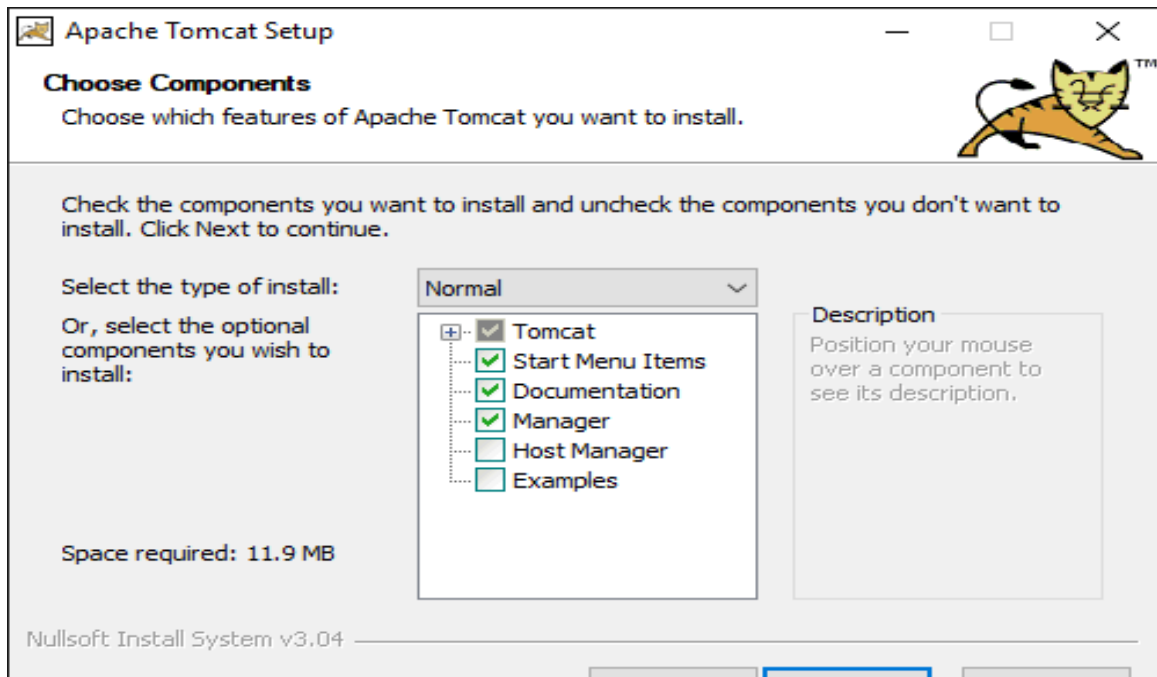
Please see the [README](#) file for packaging information. It explains what every distribution contains.

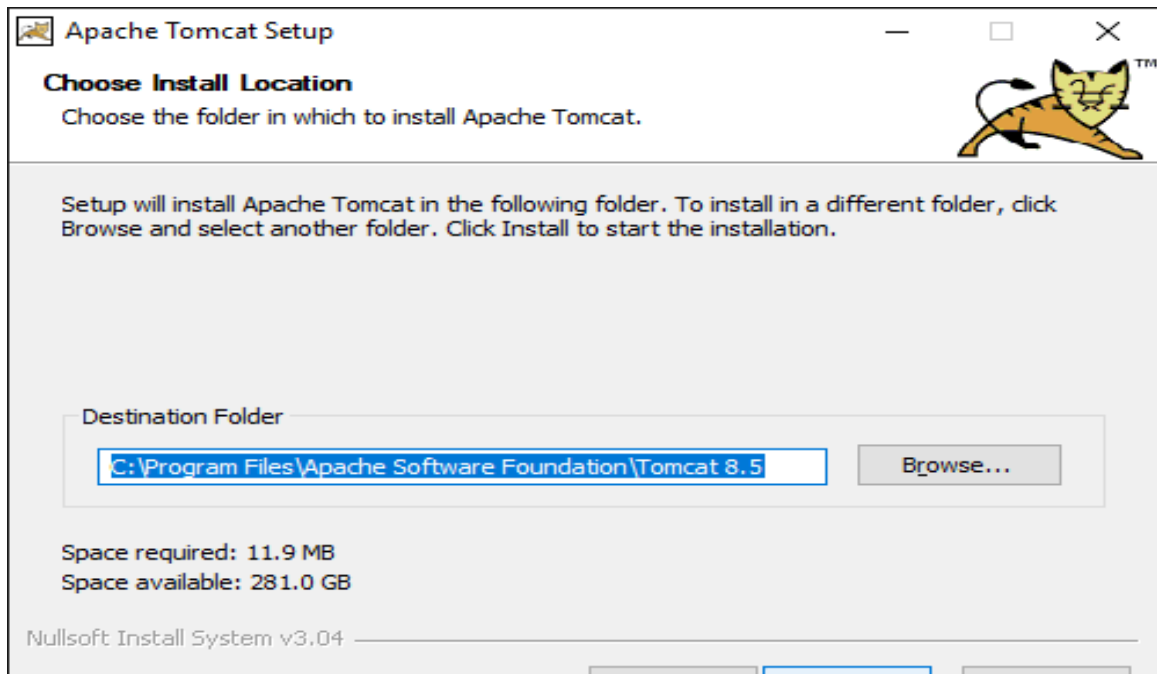
Binary Distributions

- Core:
 - [zip](#) ([pgp](#), [sha512](#))
 - [tar.gz](#) ([pgp](#), [sha512](#))
 - [32-bit Windows zip](#) ([pgp](#), [sha512](#))
 - [64-bit Windows zip](#) ([pgp](#), [sha512](#))
 - [32-bit/64-bit Windows Service Installer](#) ([pgp](#), [sha512](#))
- Full documentation:
 - [tar.gz](#) ([pgp](#), [sha512](#))
- Deployer:
 - [zip](#) ([pgp](#), [sha512](#))
 - [tar.gz](#) ([pgp](#), [sha512](#))
- Extras:
 - [JMX Remote jar](#) ([pgp](#), [sha512](#))
 - [Web services jar](#) ([pgp](#), [sha512](#))
- Embedded:
 - [tar.gz](#) ([pgp](#), [sha512](#))
 - [zip](#) ([pgp](#), [sha512](#))

b. Run the Installation







3. MySQL 5.6

a. Download MySQL 5.6

<https://dev.mysql.com/downloads/windows/installer/8.0.html>

Generally Available (GA) Releases

MySQL Installer 5.6.43

Select Version:
5.6.43

Select Operating System:
Microsoft Windows

Looking for the latest GA version?

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-5.6.43.0.msi)	5.6.43	16.4M	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-5.6.43.0.msi)	5.6.43	238.8M	Download

MD5: cc354519d96761b926f92c92c5597233 | [Signature](#)

MD5: b637680a724eb62f6a33aad297ada26f | [Signature](#)

We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

b. Run the Installation

MySQL Installer

MySQL. Installer

Adding Community

- License Agreement
- Choosing a Setup Type**
- Select Products and Features
- Installation
- Installation Complete

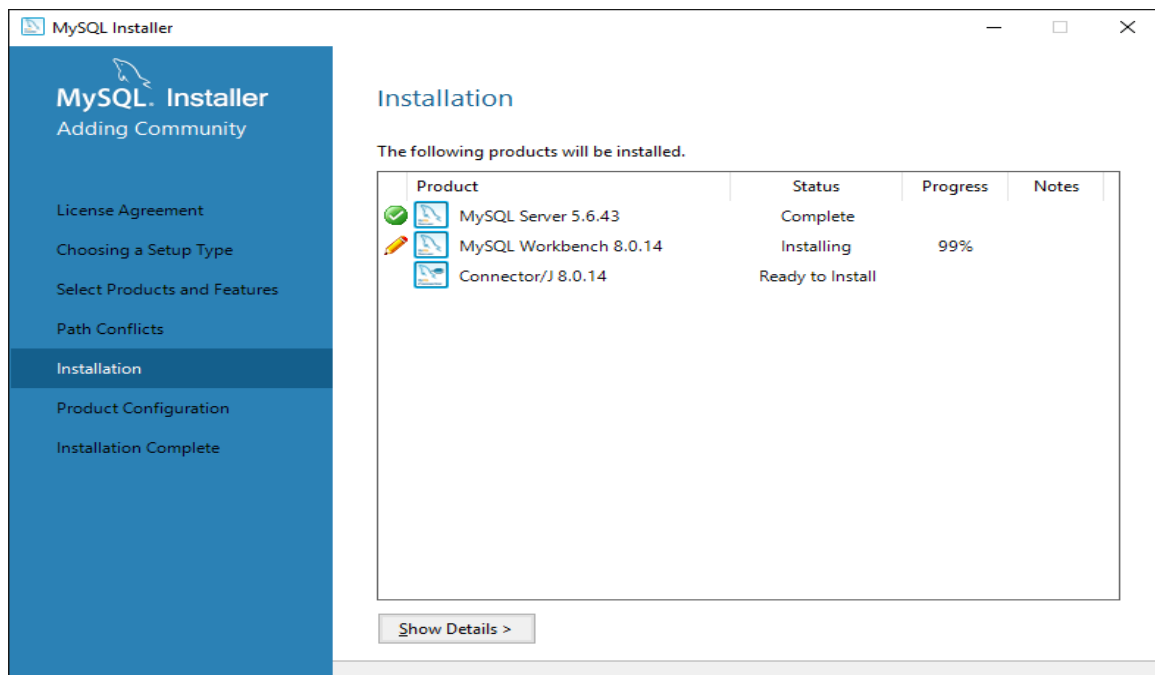
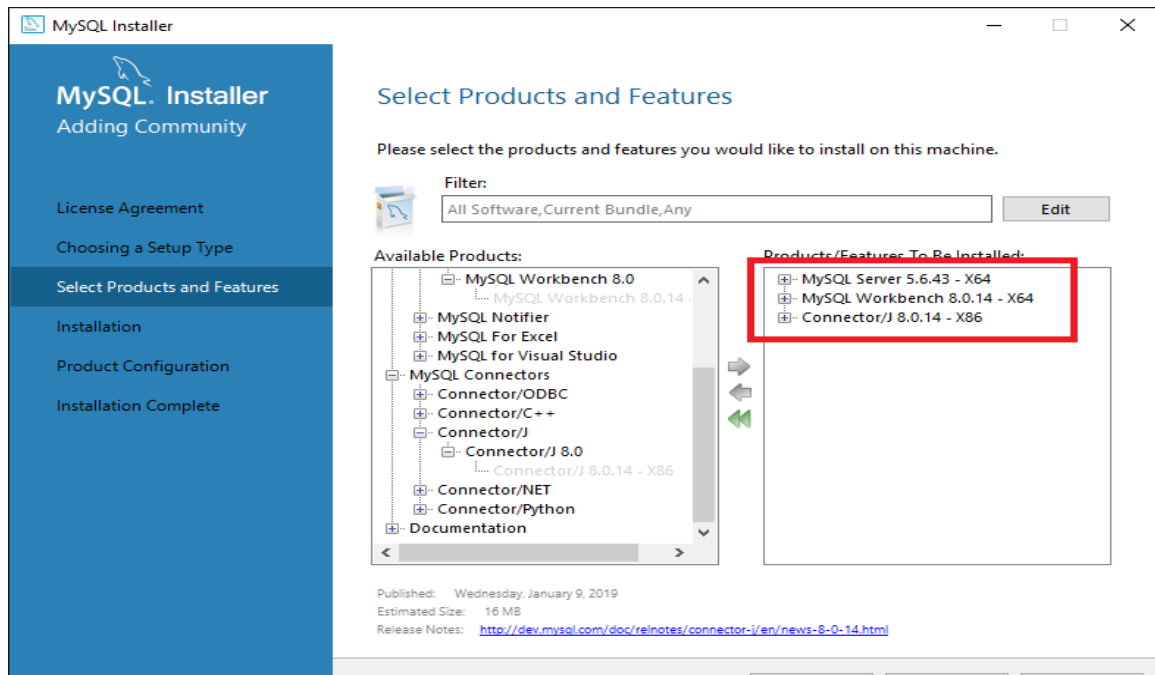
Choosing a Setup Type

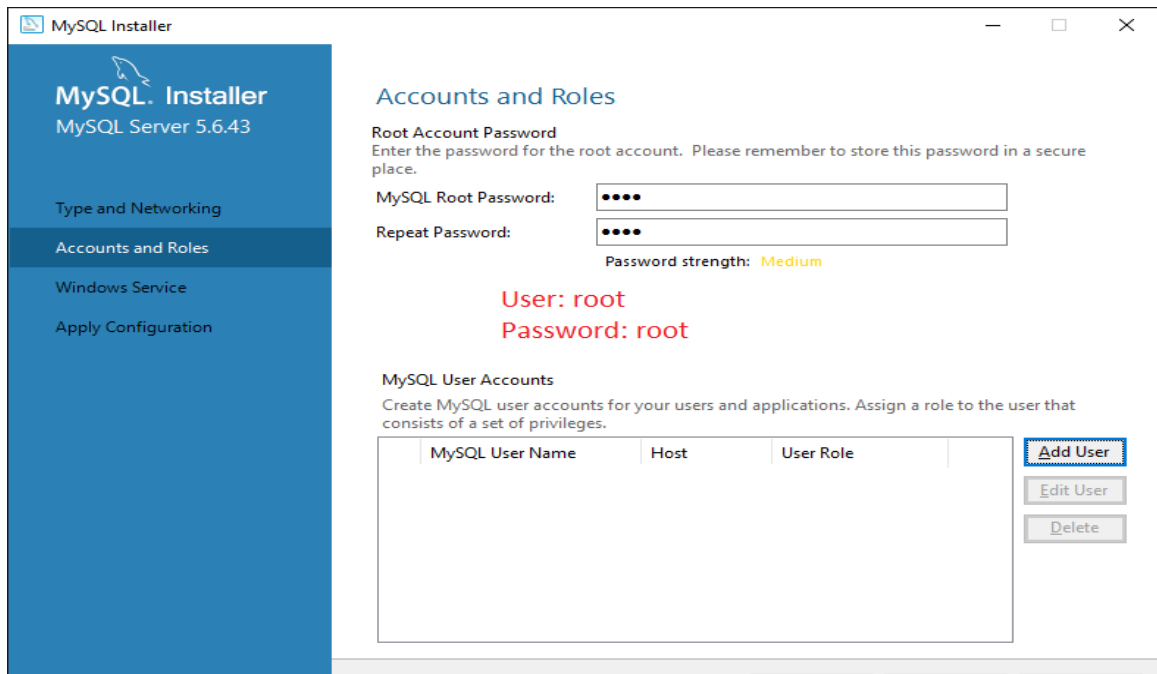
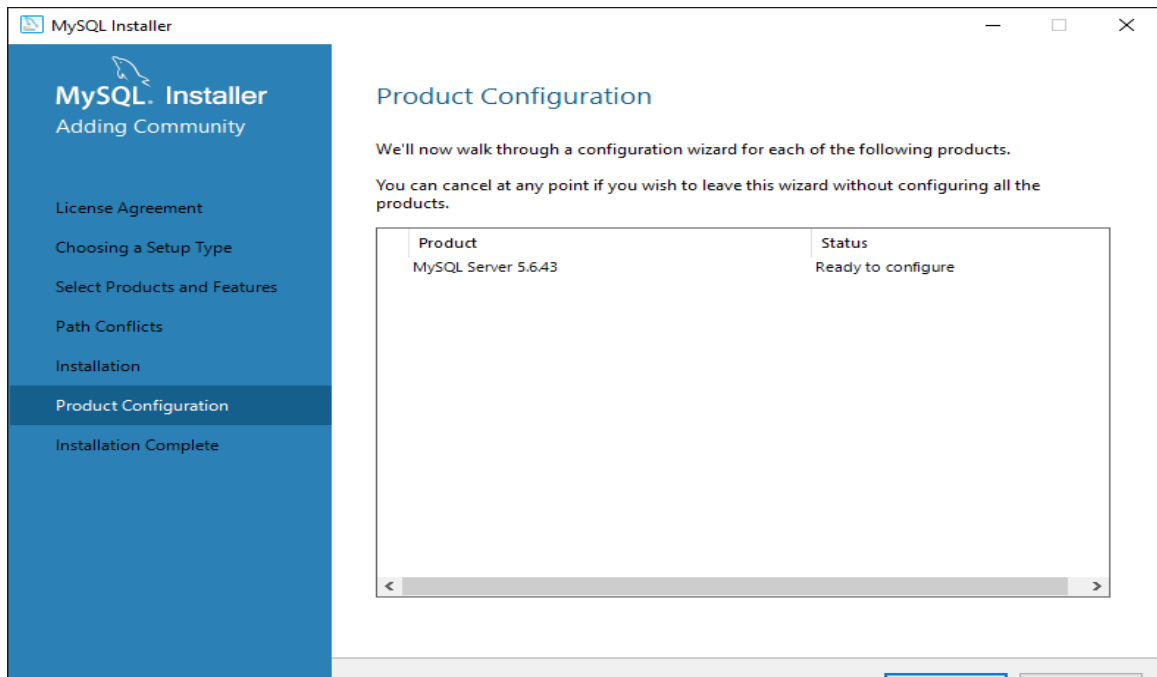
Please select the Setup Type that suits your use case.

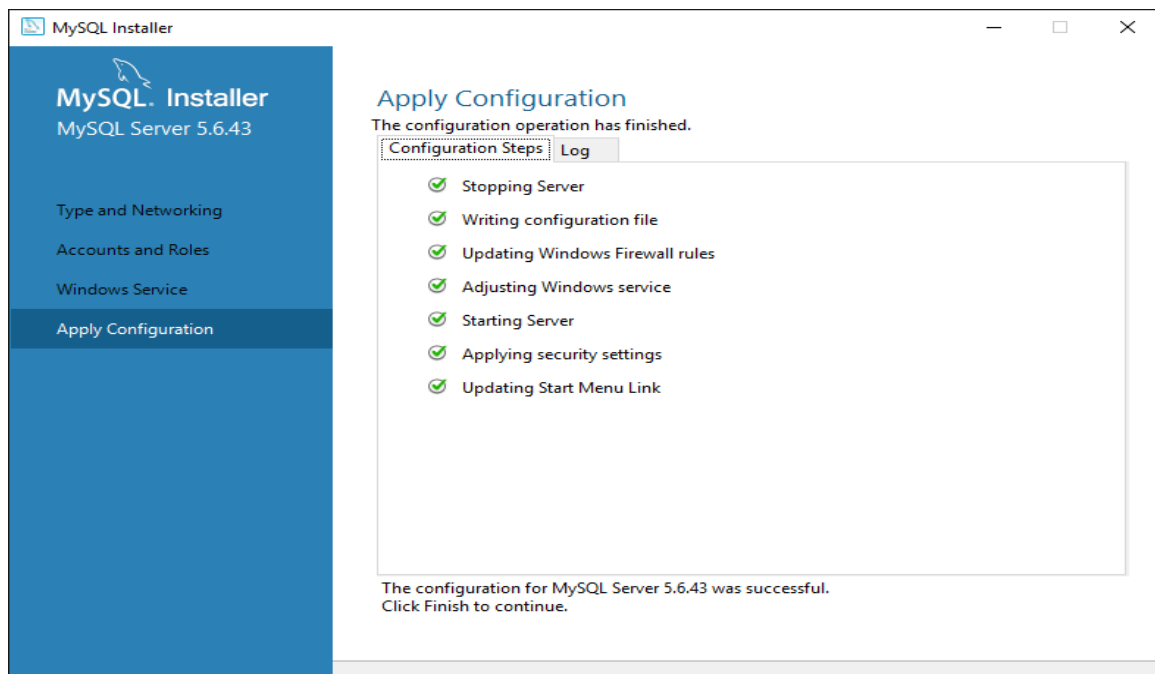
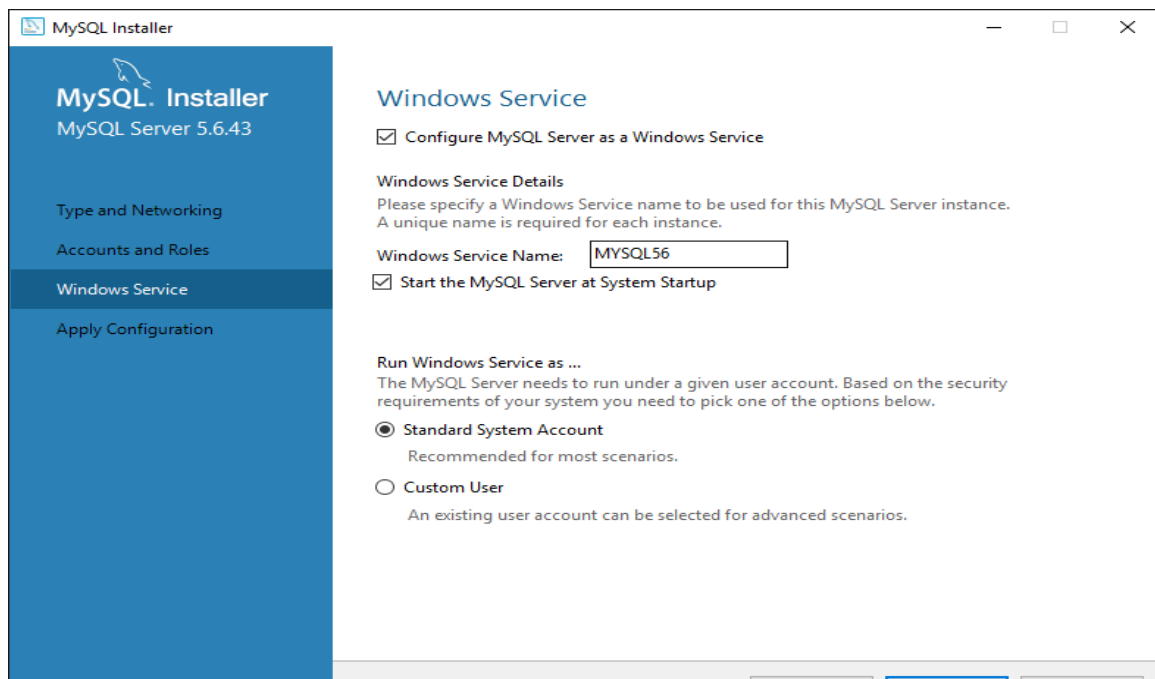
- ☐ **Developer Default**
Installs all products needed for MySQL development purposes.
- ☐ **Server only**
Installs only the MySQL Server product.
- ☐ **Client only**
Installs only the MySQL Client products, without a server.
- ☐ **Full**
Installs all included MySQL products and features.
- ☒ **Custom**
Manually select the products that should be installed on the system.

Setup Type Description

Allows you to select exactly which products you would like to install. This also allows to pick other server versions and architectures (depending on your OS).

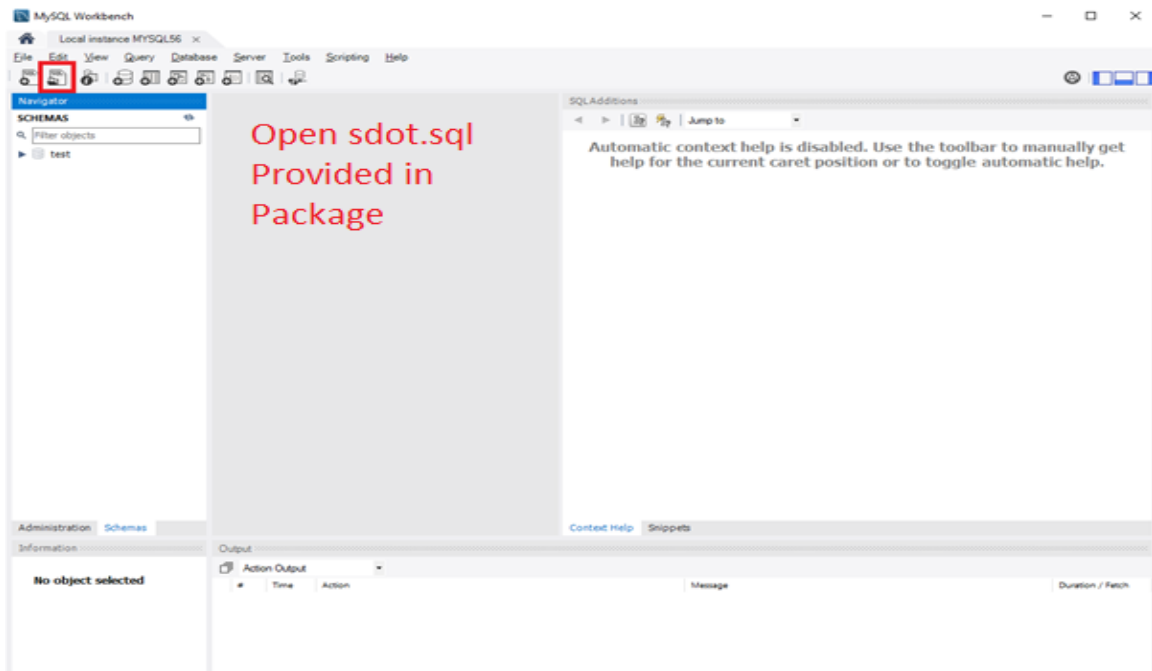
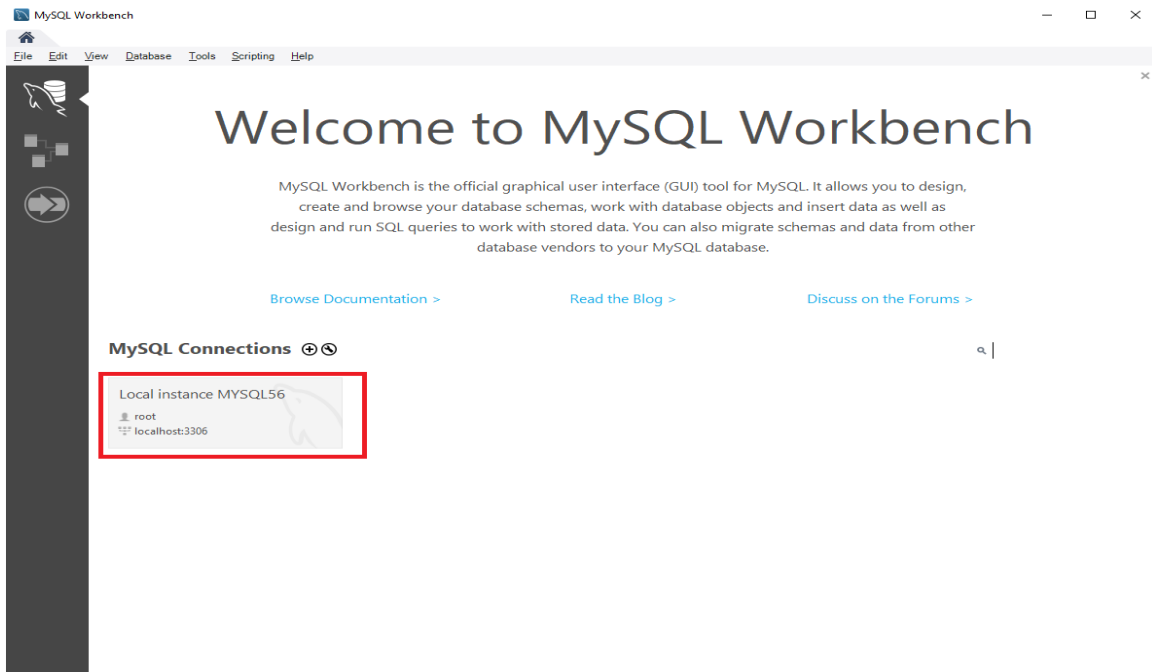




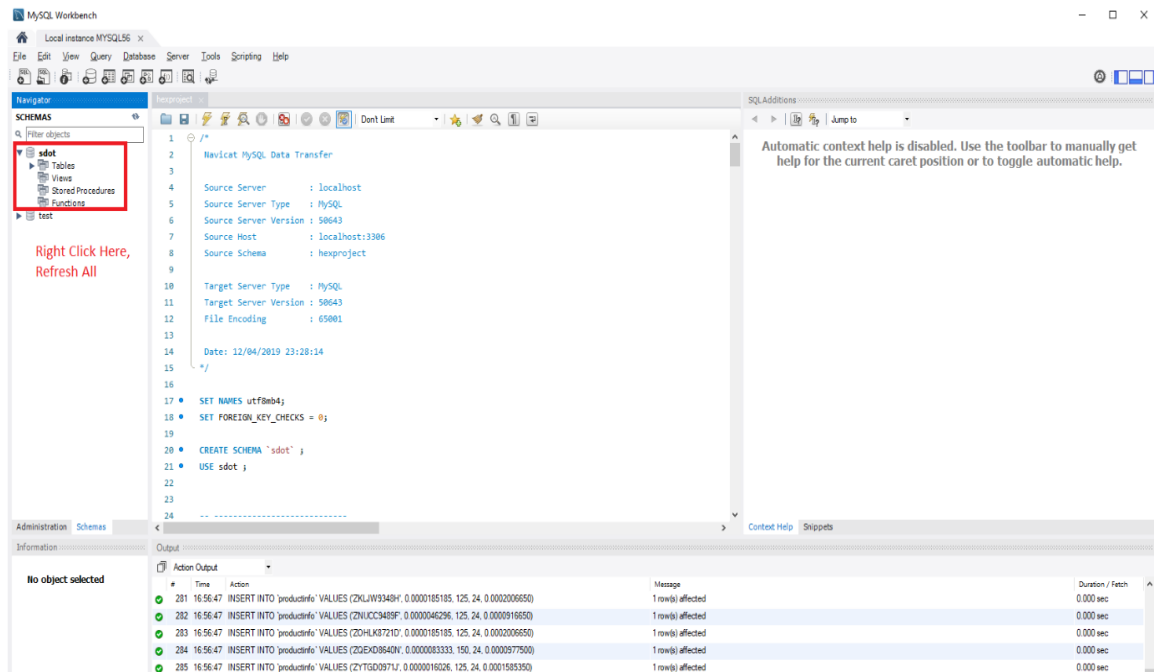
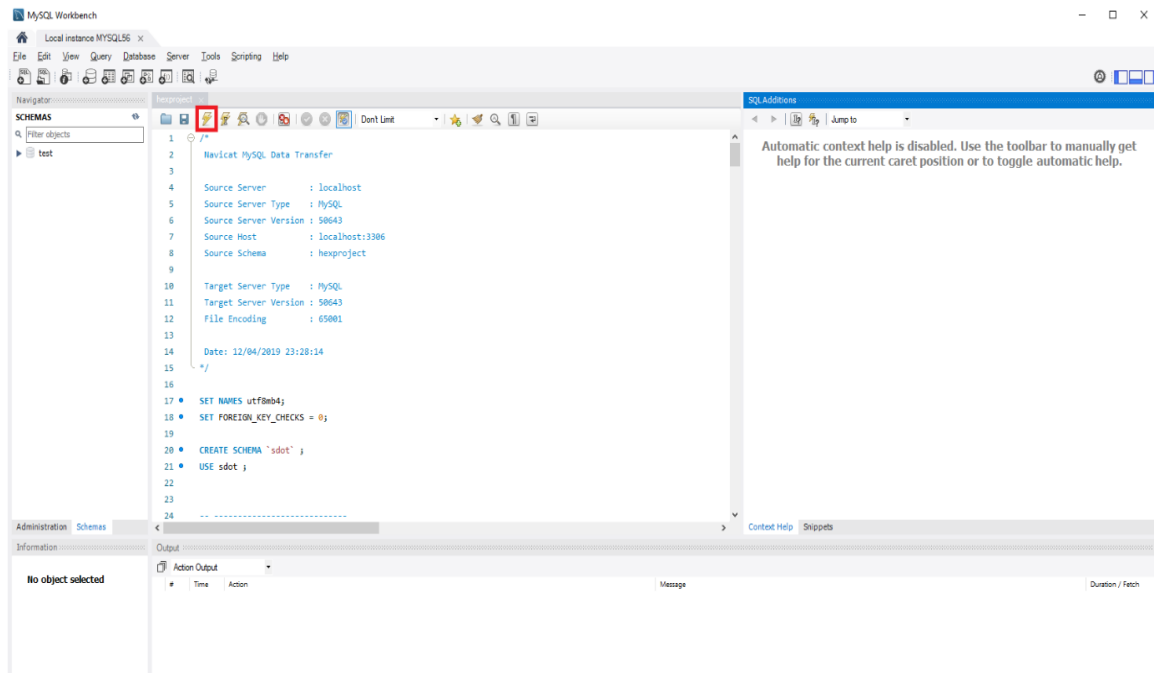


4. Initialize the DB Tables

a. Open MySQL Workbench and SQL script



b. Execute the Script

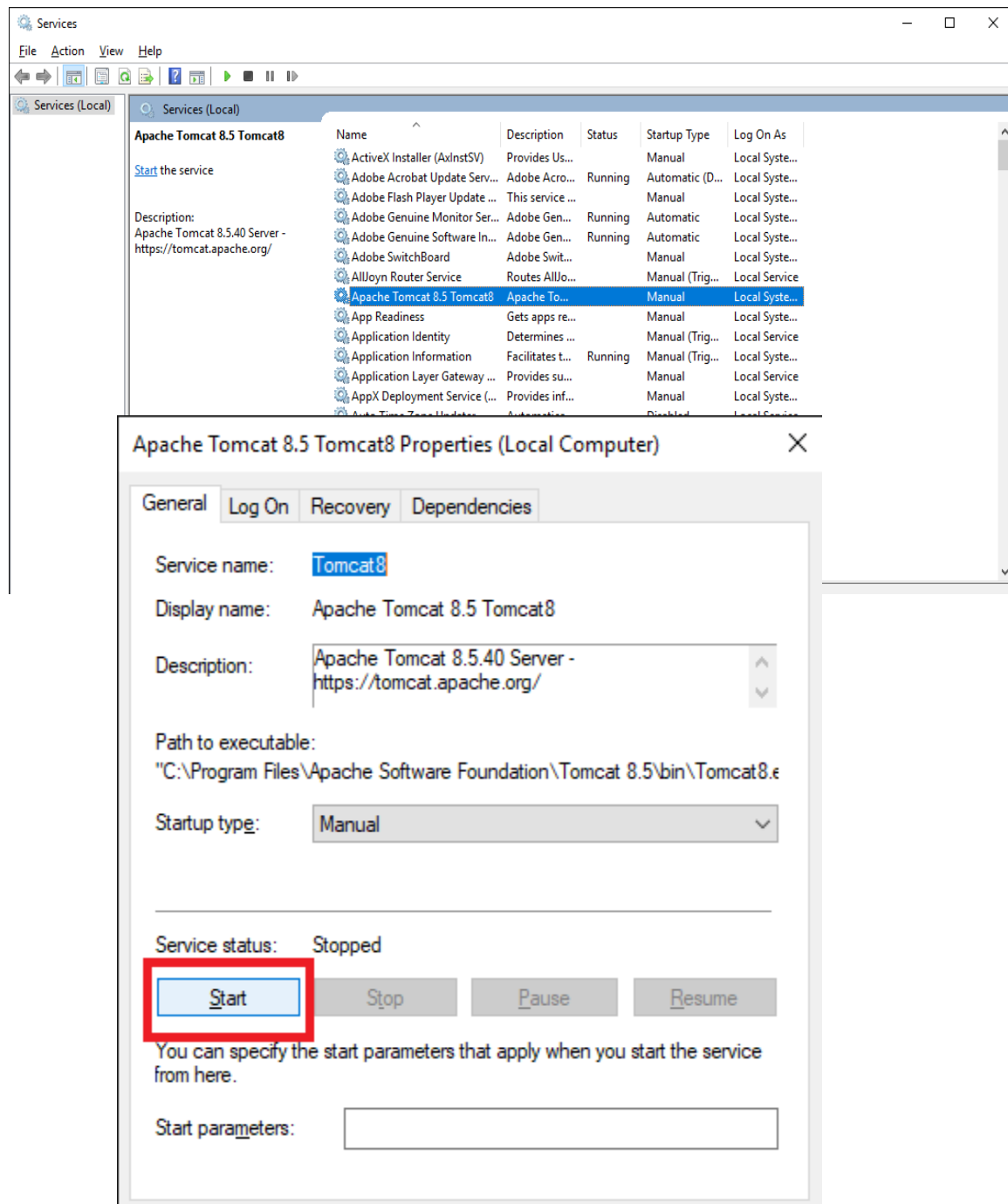


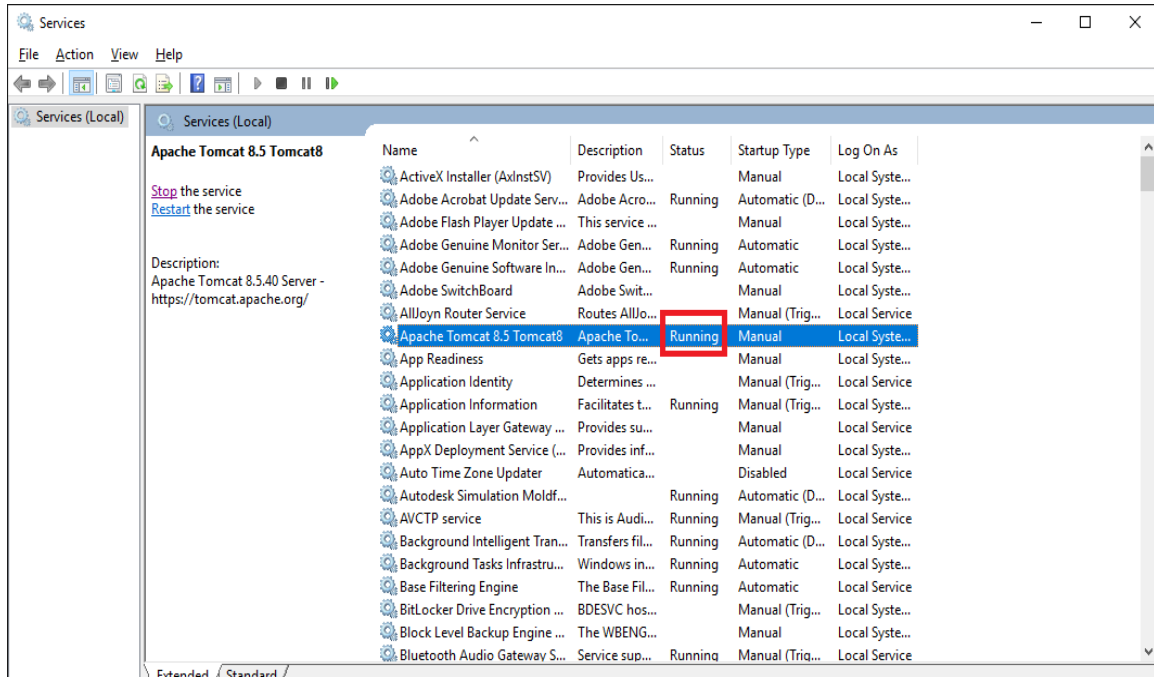
5. Deploy the Project Package WAR

- a. Copy Sdot.WAR into C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps

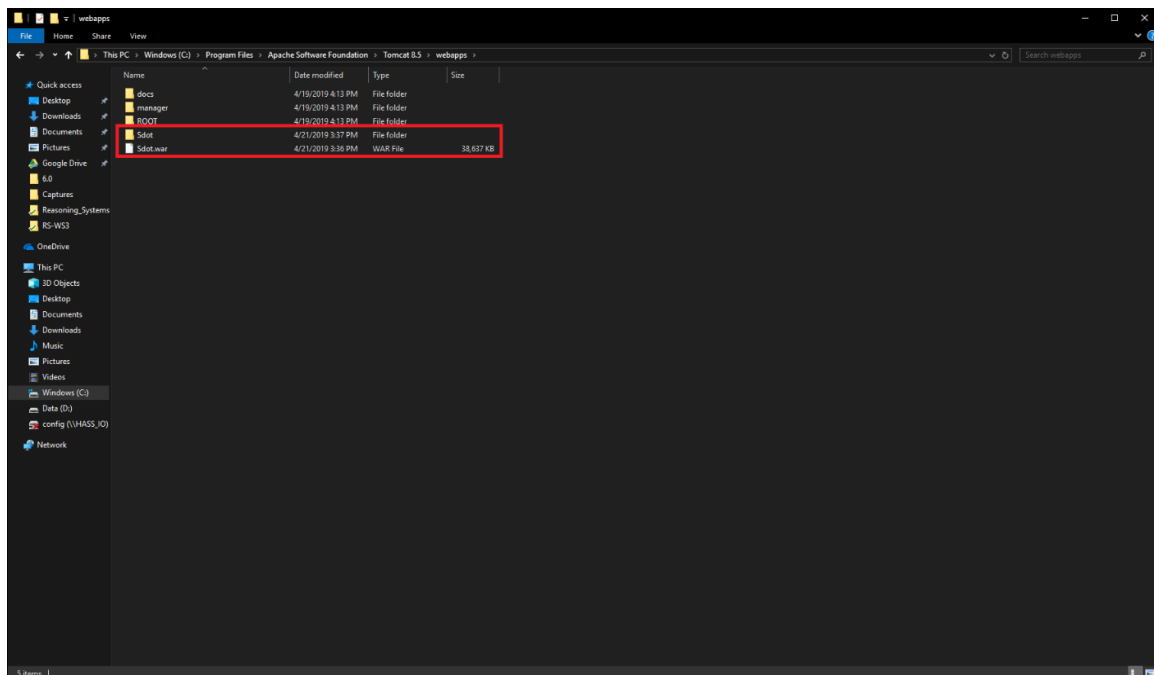
6. Start the Service

- a. Press Windows + R, Run Services.msc, start the tomcat service





b. Check if Sdot.war Folder is created in C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps



c. Wait for about 5 minutes, then go to this link:

<http://localhost:8080/Sdot/home/index>

d. Go to Java Folder and Give Full Access Permission

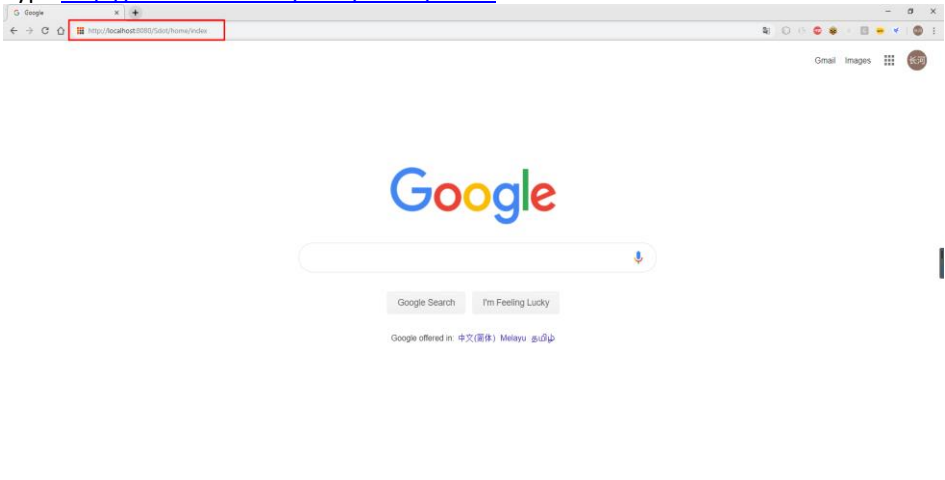
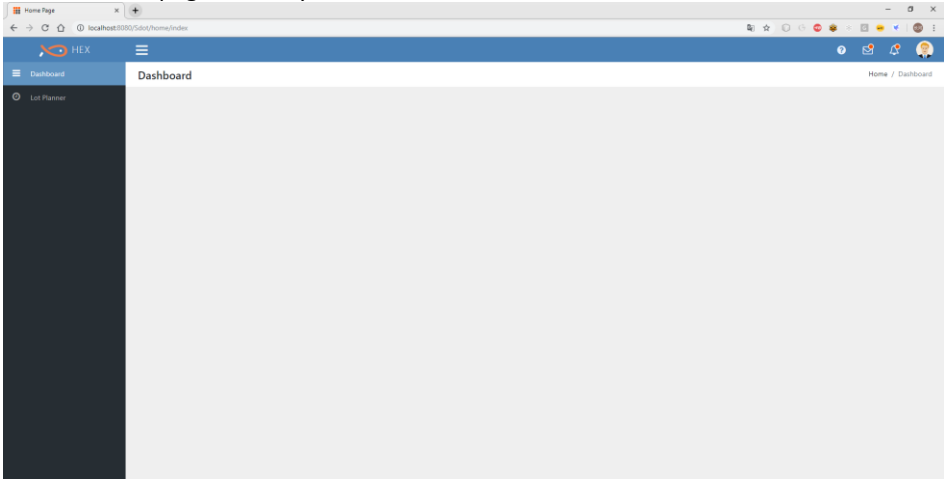
Goto C:\Program Files\ Right click Java folder, click properties. Select the security tab.

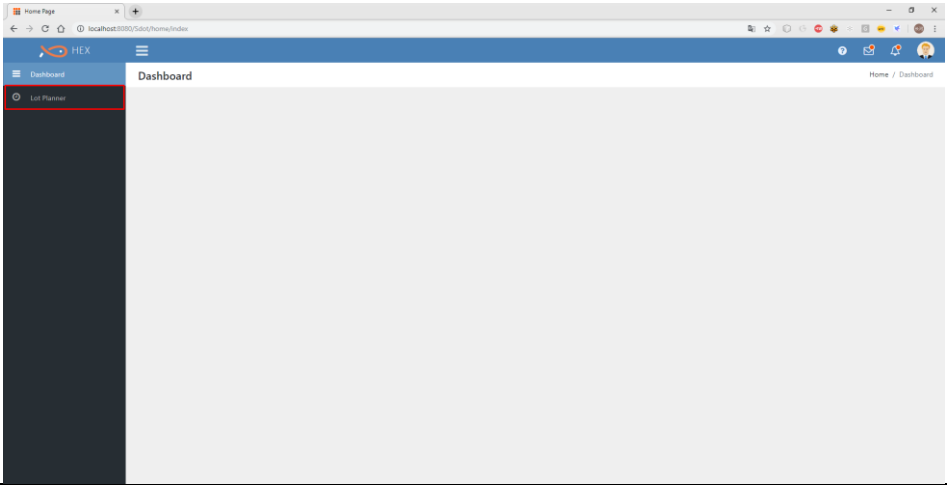
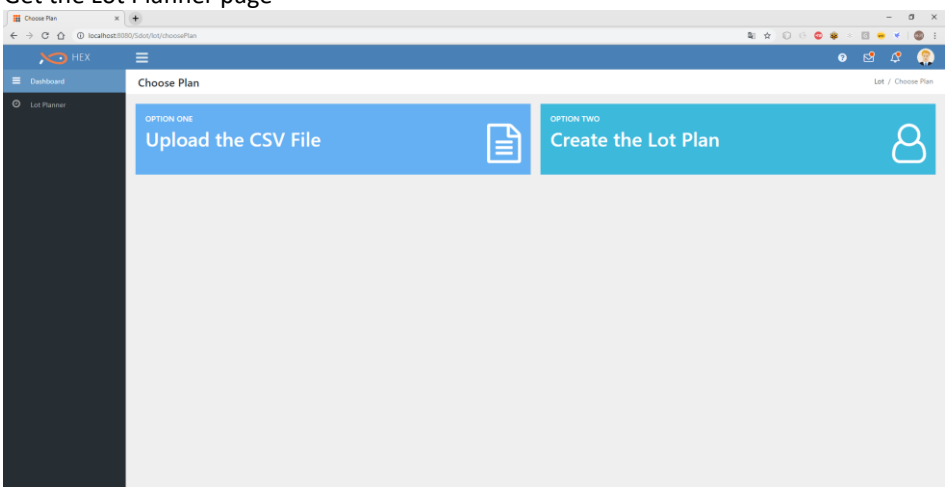
There, click on "Edit" button, which will pop up PERMISSIONS FOR JAVA window.

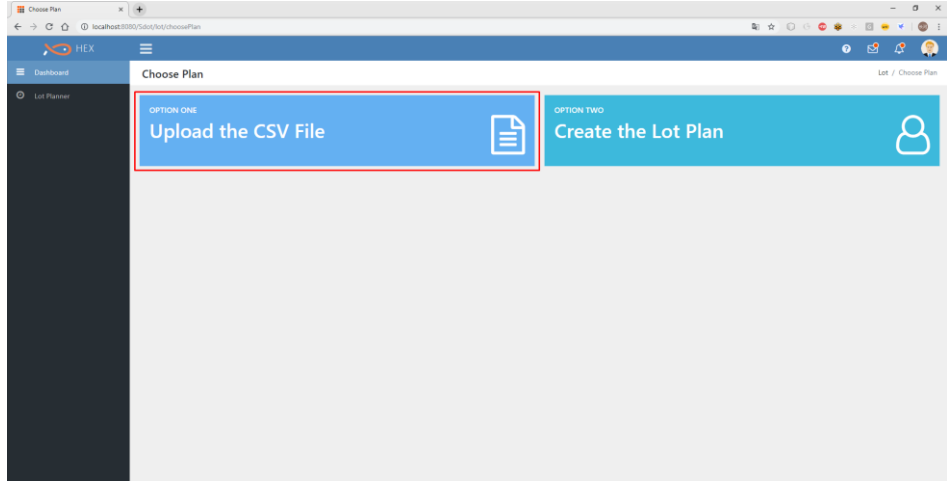
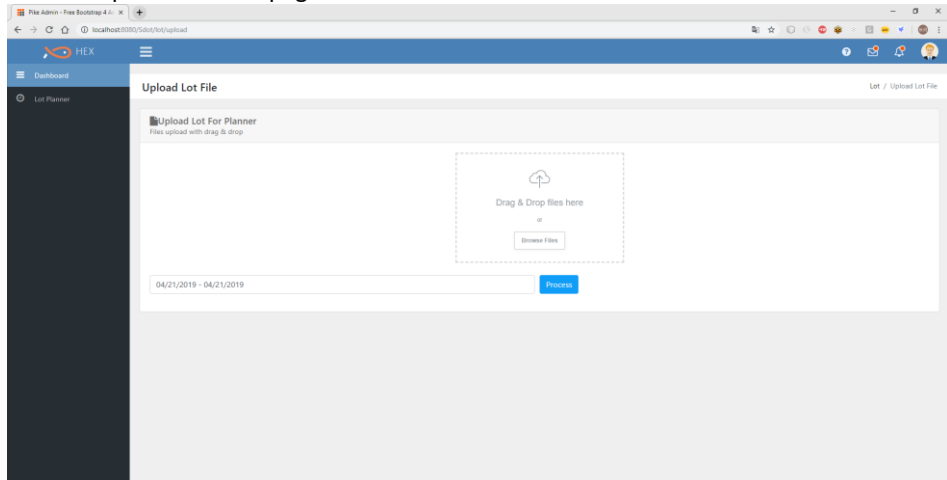
In "PERMISSIONS OF JAVA" window, you will see several clickable options like CREATOR OWNER, SYSTEM, among them is your username. Click on it, and check mark the FULL CONTROL option in Permissions for sub window.

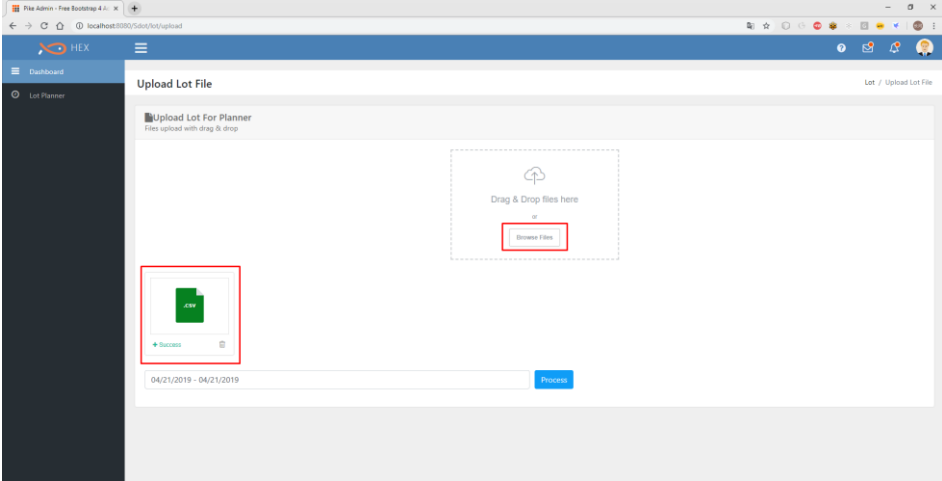
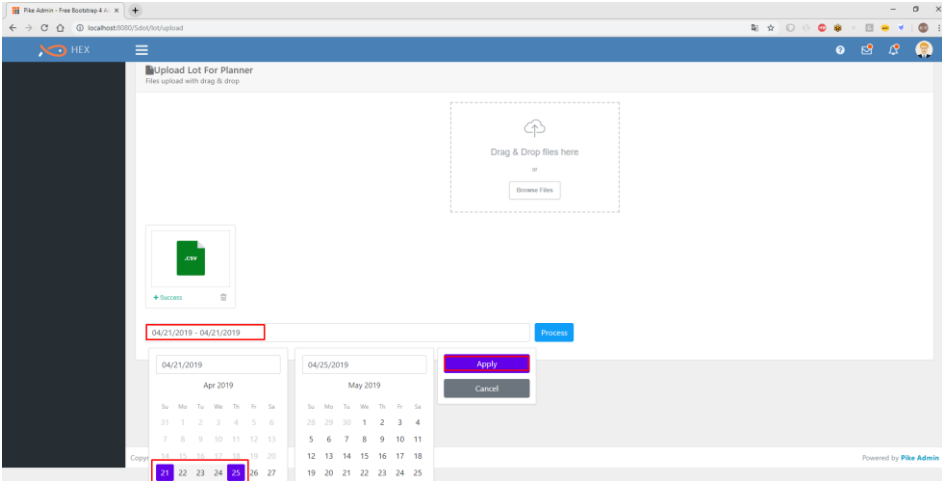
Hit apply and ok.

Test Scenario

Test Case 1	Login the Home page
User Input	<p>Type http://localhost:8080/Sdot/home/index in browser</p> 
System out put	<p>Get the home page of the system</p> 

Test Case 2	Navigate to Lot Planner Page
User Input	<p>Click the “Lot Planner” on the left side menu</p> 
System out put	<p>Get the Lot Planner page</p> 

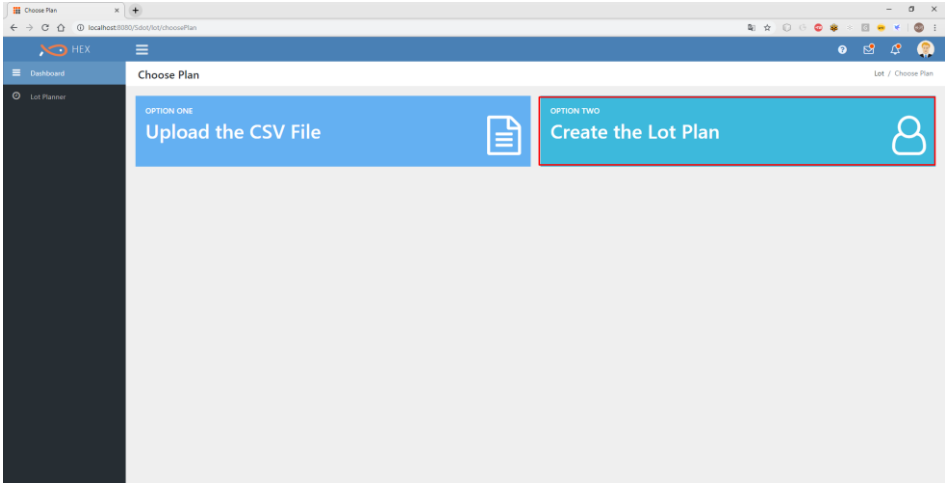
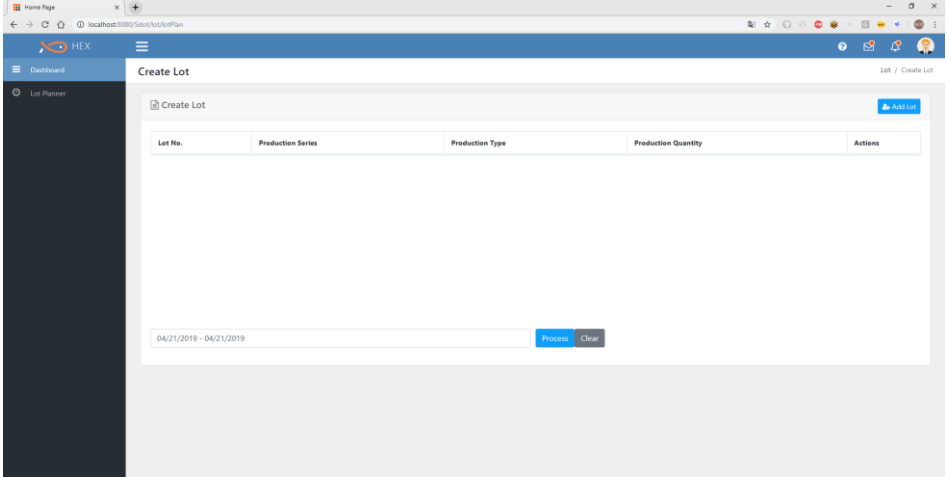
Test Case 3	Navigate to Upload CSV Page
User Input	<p>Click the “Upload the CSV” button</p> 
System out put	<p>Get the Upload the CSV page</p> 

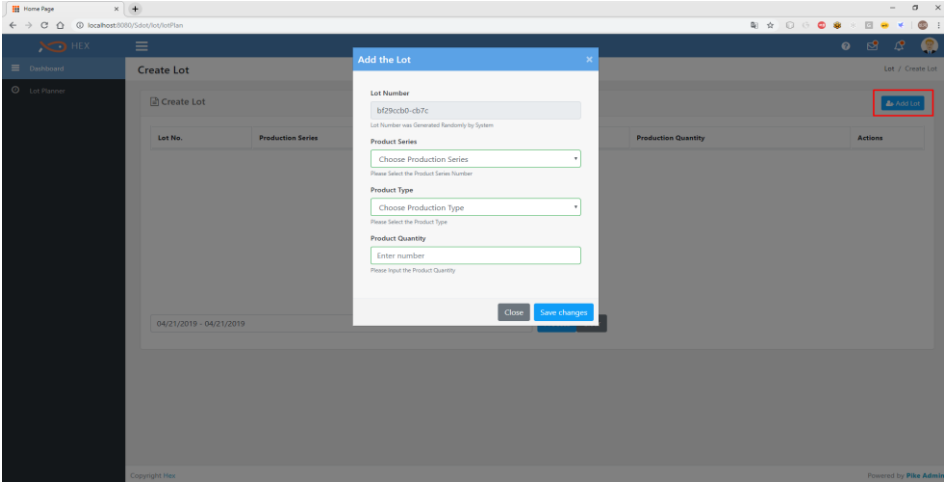
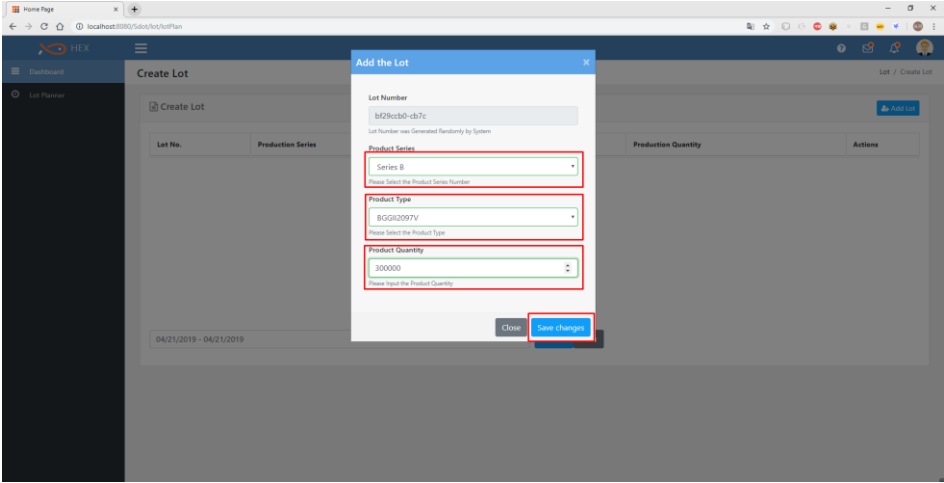
Test Case 4	Upload Test csv file and schedule the lot plan
User Input	<p>1. Drag the file or click "Browse files" to upload the csv file</p>  <p>2. Click the date picker and select plan date</p>  <p>3. Click the "Process" button and wait for result (one minute)</p>

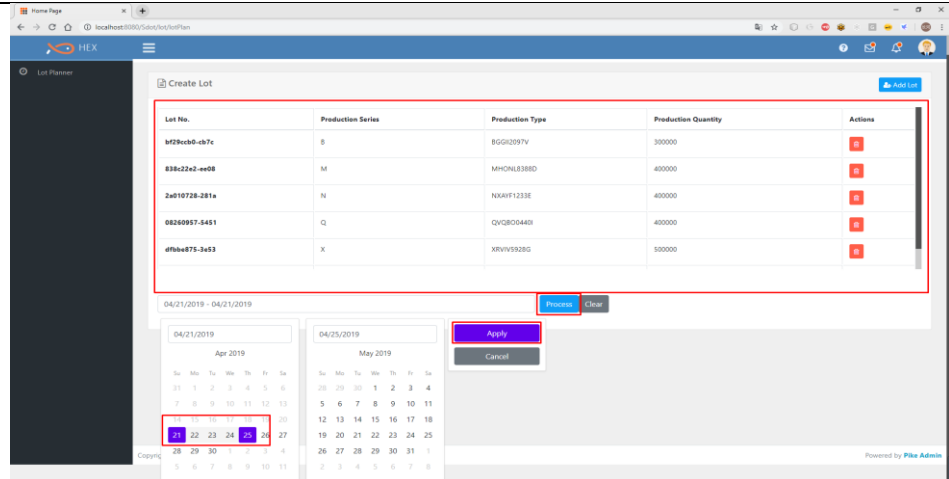
System out put

Get the schedule plan and lot information

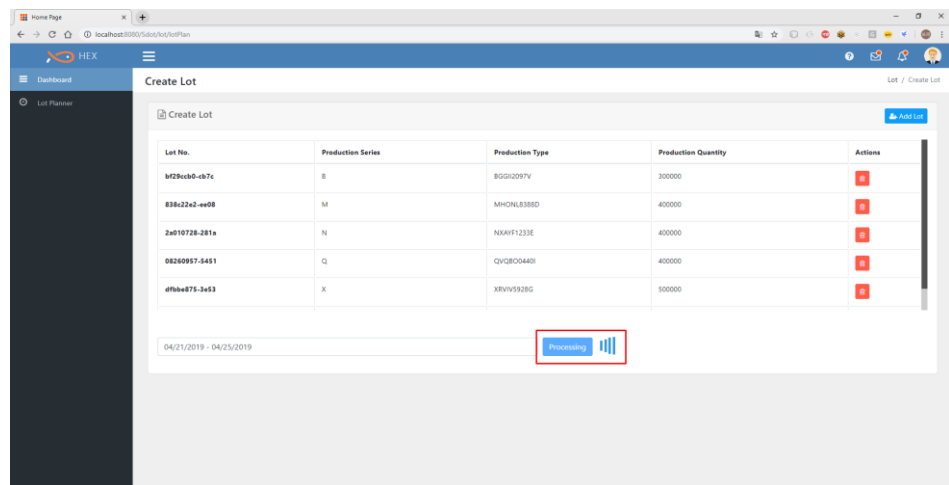
Lot Package	Lot Number	Product Type	Assign Oven	Lot Size	Schedule Time
lotPackage2	Lot1	YGPFA4100i	BO6	1000000	2019-04-24 00:00 - 2019-04-25 00:00
lotPackage27	Lot90	WDHHD1887C	BO6	5000000	2019-04-23 00:00 - 2019-04-24 00:00
lotPackage27	Lot91	CGAQM8807Q	BO6	5000000	2019-04-23 00:00 - 2019-04-24 00:00
lotPackage57	Lot160	ARKXK2314V	BO6	5000000	2019-04-22 00:00 - 2019-04-23 00:00
lotPackage57	Lot161	ITWGD6876S	BO6	5000000	2019-04-22 00:00 - 2019-04-23 00:00
lotPackage57	Lot163	MGMQY2487X	BO6	5000000	2019-04-22 00:00 - 2019-04-23 00:00

Test Case 5	Navigate to Create Lot Page
User Input	<p>Click the “Create the Lot Plan” button</p> 
System output	<p>Get the Create the Lot Plan page</p> 

Test Case 6	Create Lot manually and schedule the lot plan
User Input	<ol style="list-style-type: none"> Click "Add Lot" button  <ol style="list-style-type: none"> Fill in the lot information and click "Save Changes" button  <ol style="list-style-type: none"> Repeat step 2 and choose the plan date



4. Click "Process" button and wait for result (around one minute)



System out put

Get the schedule plan and lot information

