

Chathushi Jayarathna – Assignment 4

Project Title	Design and Develop a website portal using Liferay
Qualification Name (NICF)	Advanced Certificate in Web Development using Platforms
Product Name	Feedback Form
Module Name (NICF)	Development using Platforms

Lab Assessment Statement

Assignment 4 – Setup the development environment and Develop MVC Portlet

Referring to Assignment-1's Project Scenario,

In this assignment, you need to set up the development environment to develop a Liferay application. After setting up, you have been tasked to create the MVC Portlet with the names "FeedbackPortlet".

1. Setup the Liferay IDE development environment as follows:

- Download Liferay Eclipse IDE.
- Open Eclipse and Choose Liferay Workspace
- Define new server from Server Tab
- Choose Liferay v6.2 CE Server from Liferay, Inc.
- Specify the installation directory of the Tomcat configured with Liferay
- Select runtime JRE (prefer JDK is 1.7)
 - JDK 1.7 is compatible with Liferay 6.2 to develop the Service Builder
- Click finish
- Start the Tomcat server, and
- Access the Liferay home via <http://localhost:8080/>

2. Create Feedback MVC Portlet

Provide the sample demonstration are as follows:

```

May 31, 2020 3:39:17 PM org.apache.catalina.core.Applicatio
INFO: Initializing Spring root WebApplicationContext
15:39:17,754 INFO [localhost-start@cop-8][PortletHotDeploy
15:39:17,920 INFO [localhost-start@top-8][PortletHotDeploy
May 31, 2020 3:39:18 PM org.apache.catalina.startup.HostCon
INFO: Deployment of web application directory C:\Users\DELL
Subject is Awesome
Message is The site gets regular updates daily
    
```

	<ul style="list-style-type: none"> ▪ Create a new Liferay plugin project with a project name "newsportalFeedback". ▪ Create Liferay MVC portlet (FeedbackPortlet) with package name "com.liferay.docs.feedback.portlet". ▪ Create new JSP (feedback.jsp) and simply create actionURLs and Feedback Form to submit the feedback. ▪ Implement controller (a portlet action) method to handle the Feedback form. You need to specify the portlet class action method as the URL name attribute. In the action method, get the form input data and print it. ▪ In view.jsp, add the "Add New Feedback" link by using render URL tag. When the user clicks the link, the "Feedback form" appears. ▪ Deploy the portlet. Enable and test the portlet. <p>Provide caption and screen capture for each step.</p>
Technical Environment	-
Guidelines	-
Duration	60 mins


1. **Setup the Liferay IDE development environment as follows:**



- Download Liferay Eclipse IDE.

Step 1 – Go to the Liferay community page and click on the expected Liferay community

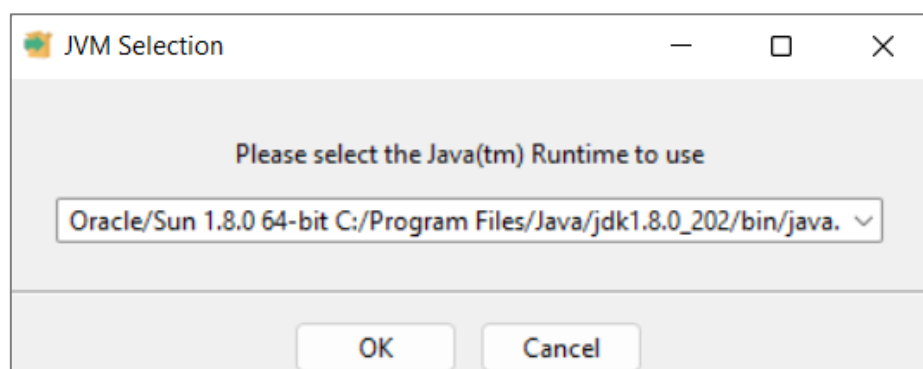
Latest stable release: 3.9.7

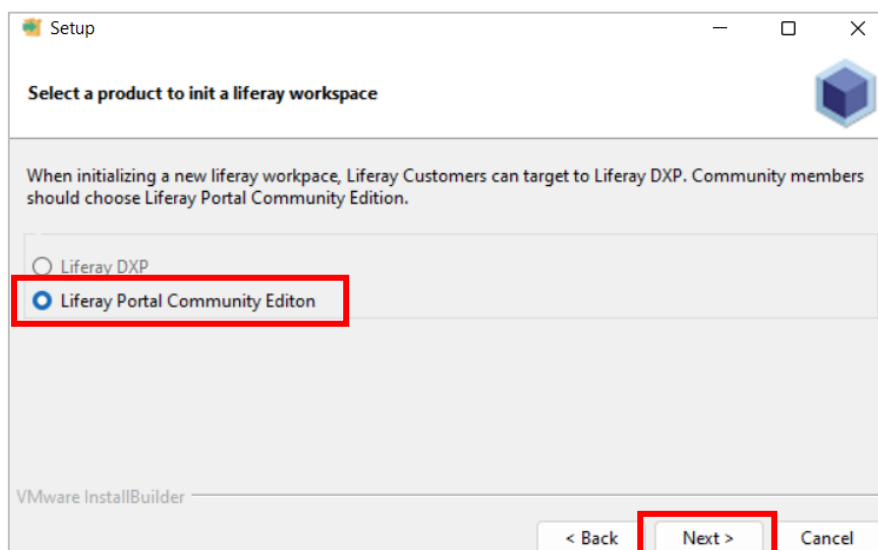
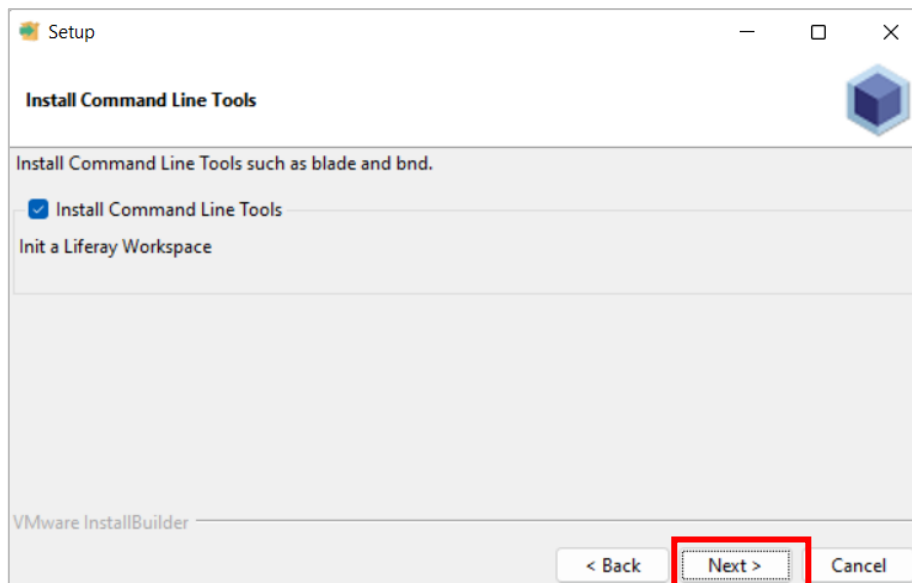
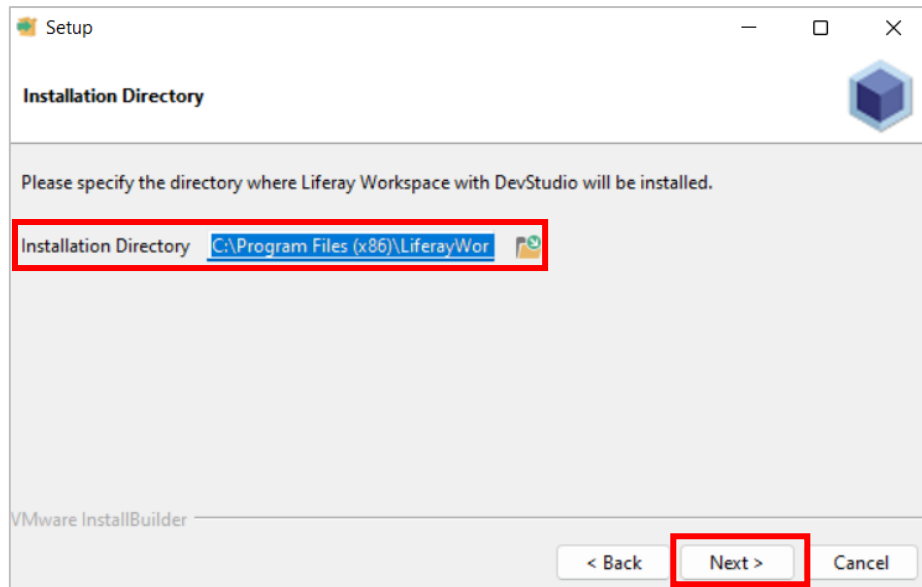
- [Liferay IDE Archived Update-site](#)
- [Liferay IDE Installer \(Windows 64-bit\)](#)
- [Liferay IDE Installer \(Linux 64-bit\)](#)
- [Liferay IDE Installer \(macOS 64-bit\)](#)
- [Liferay Workspace Installer \(Windows 64 bit\)](#)
- [Liferay Workspace Installer \(Linux 64-bit\)](#)
- [Liferay Workspace Installer \(macOS 64-bit\)](#)

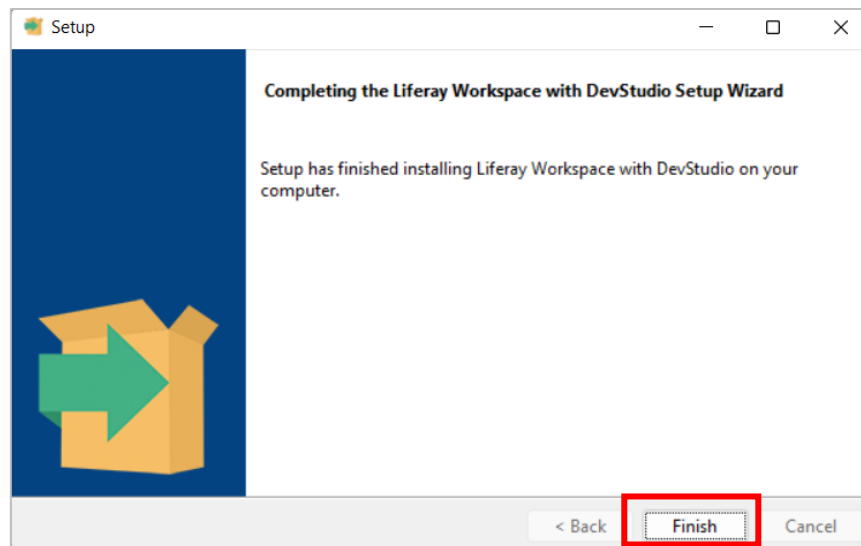
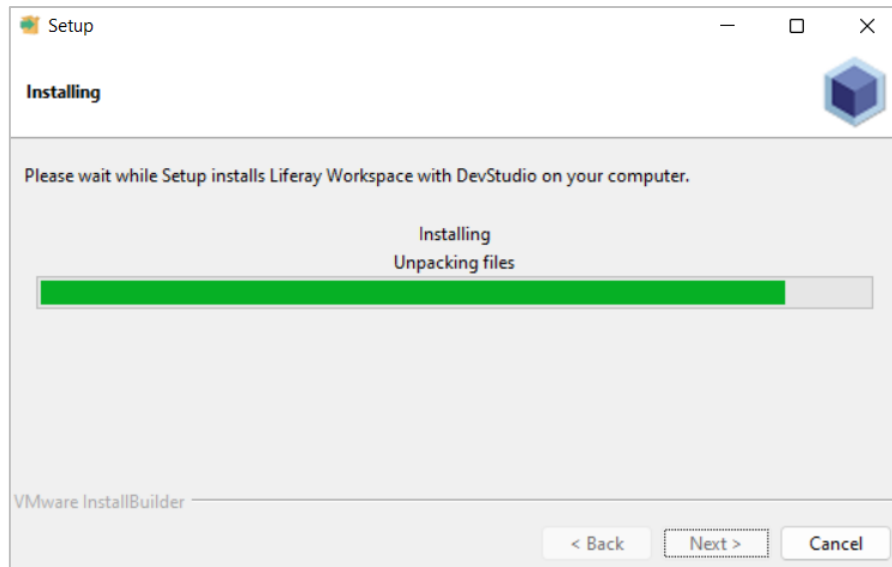


	liferay-ce-portal-tomcat-7.4.3.47-ga47-2...	11/10/2022 1:13 AM	gz	1,005,208 KB
	LiferayWorkspacewithDevStudio-2022071...	11/10/2022 7:26 AM	Application	436,817 KB

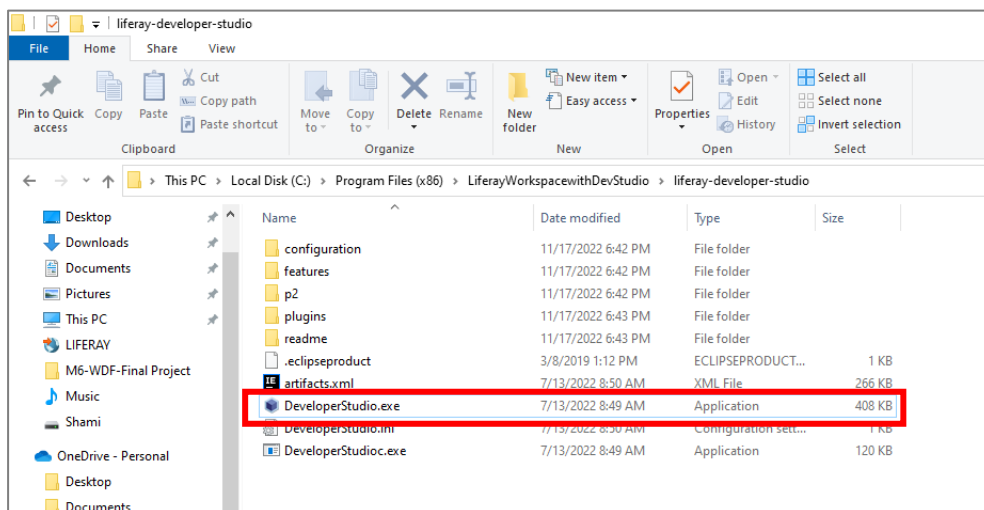
Step 2 – Unzip the downloaded file and Install LiferayWorkspacewithDevStudio

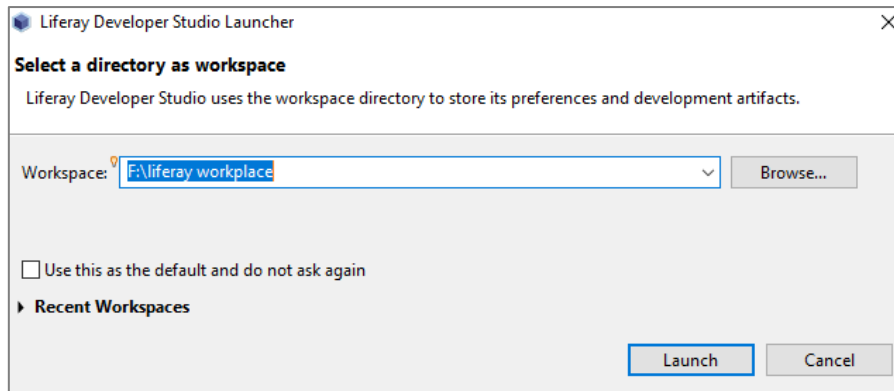




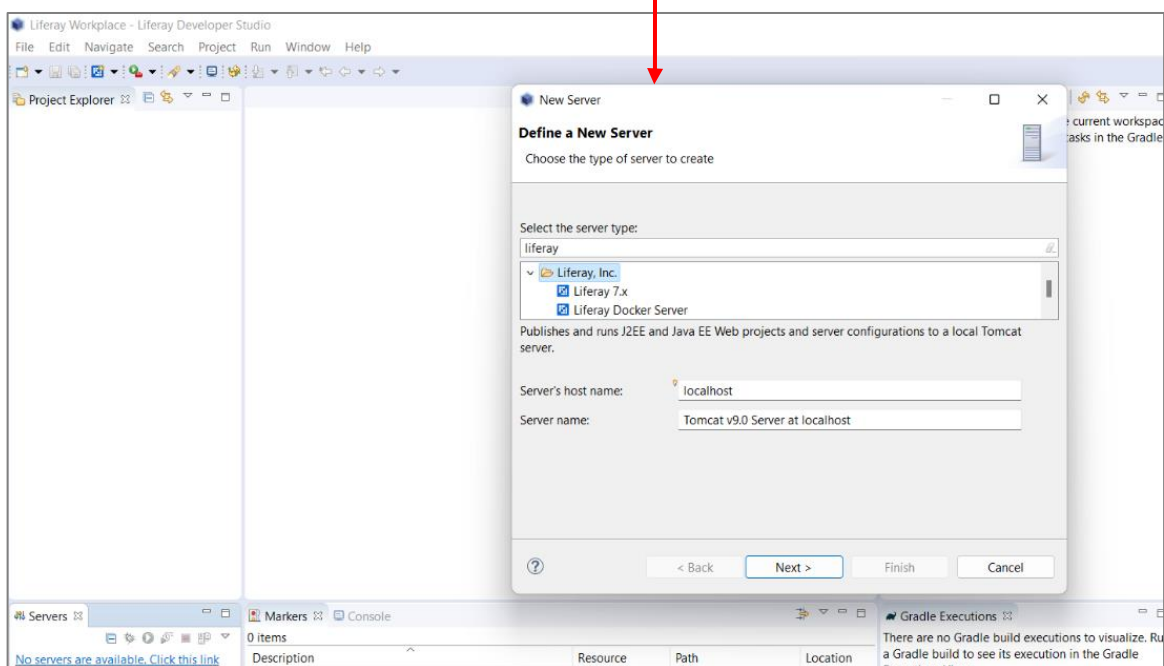
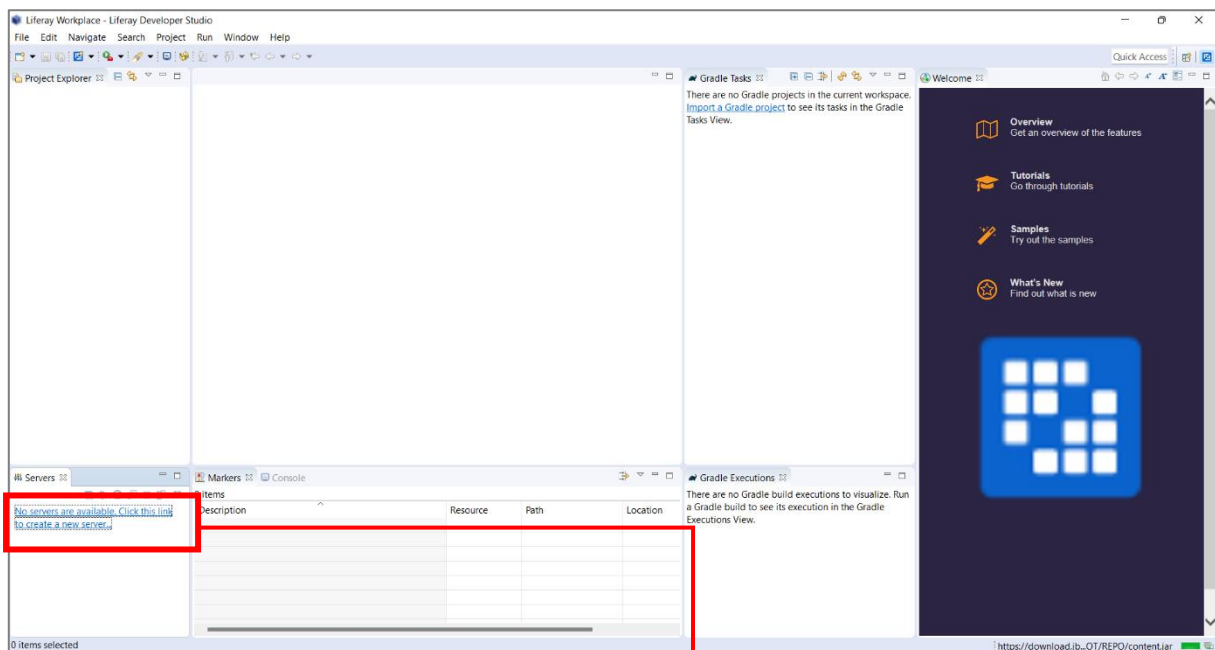


➤ Open Eclipse and Choose Liferay Workspace

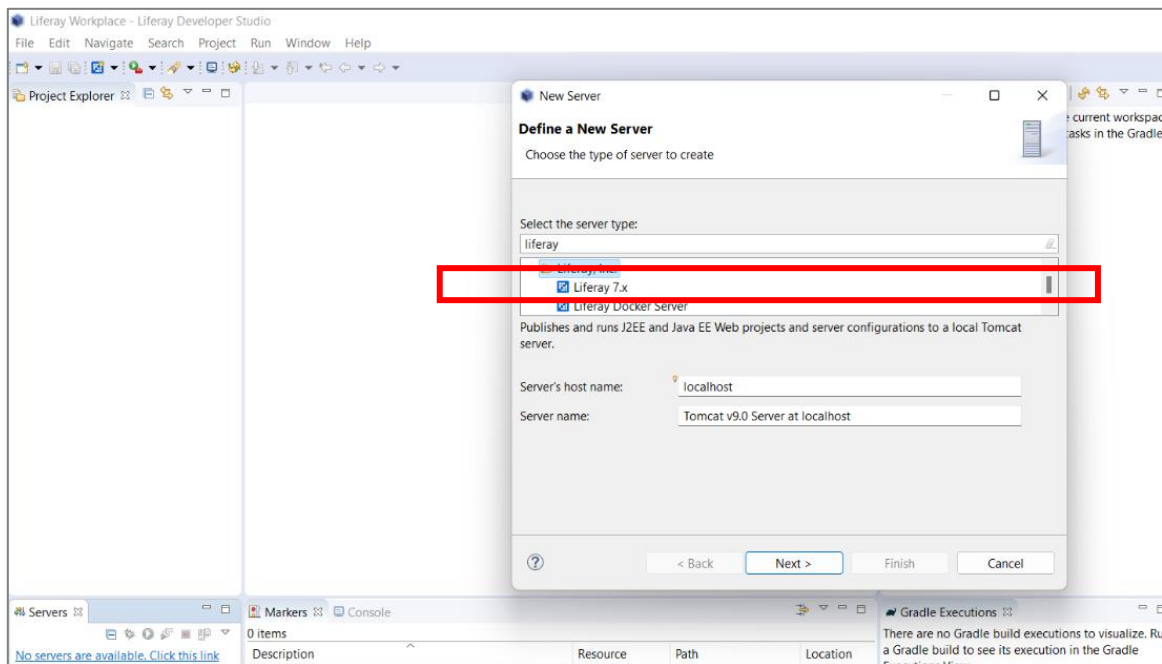




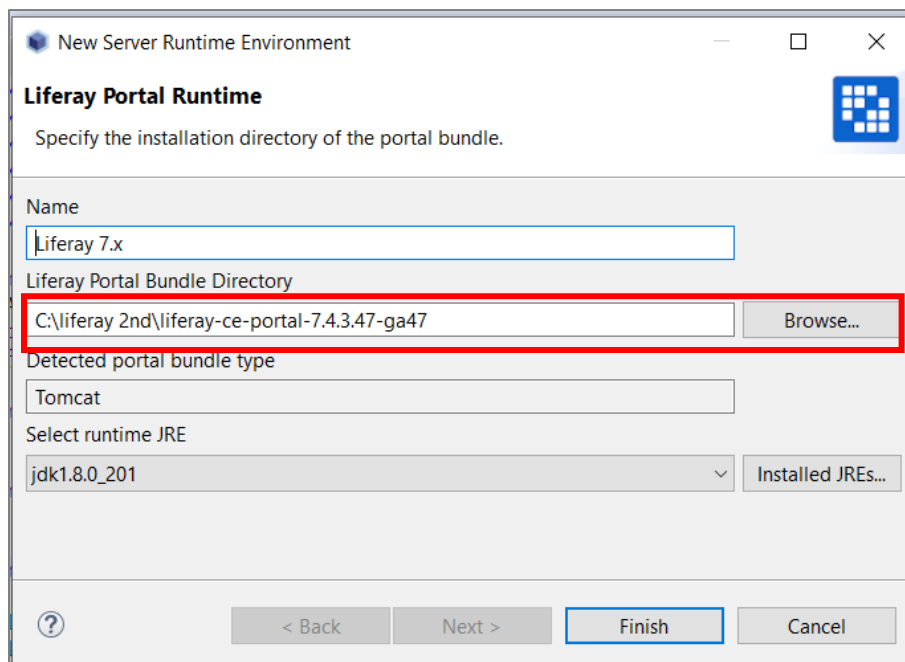
➤ Define new server from Server Tab



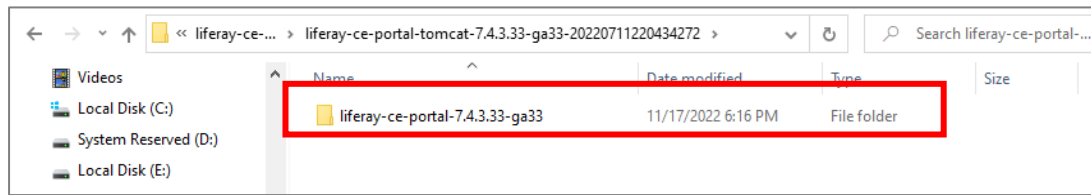
- Choose Liferay v7.4 CE Server from Liferay, Inc.



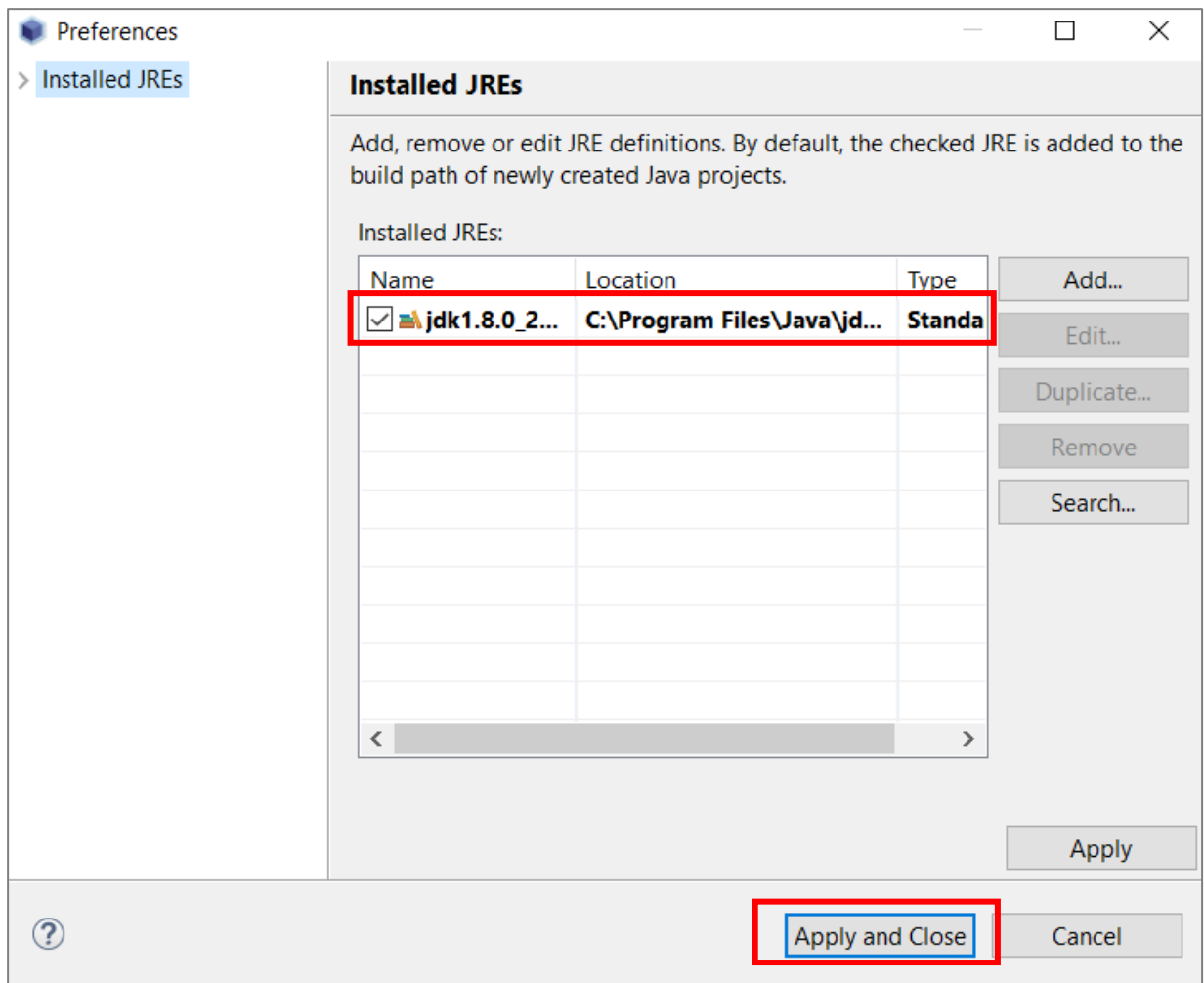
- From the directory select below Liferay –CE-portal server



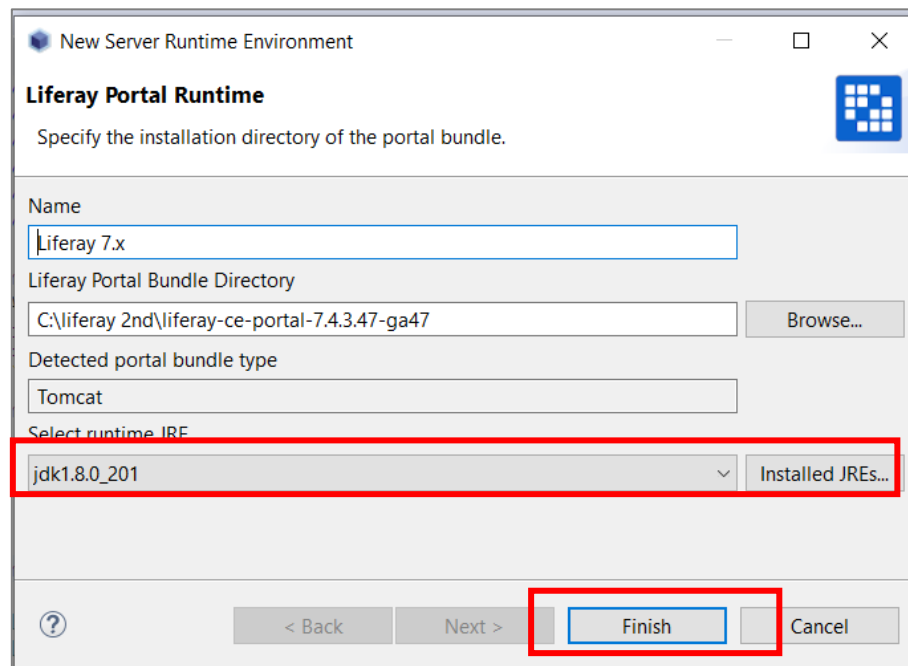
- Specify the installation directory of the Tomcat configured with Liferay



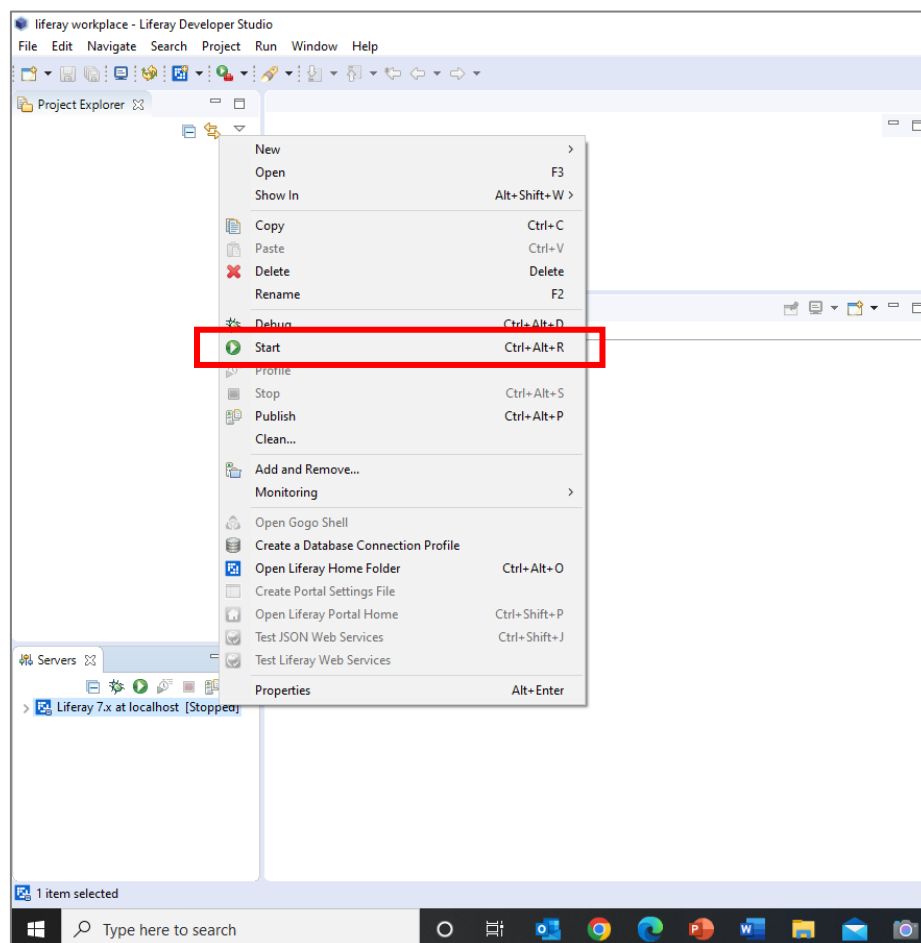
- Select runtime JRE (prefer JDK is 1.8)
- JDK 1.8 is compatible with Liferay 7.4 to develop the Service Builder

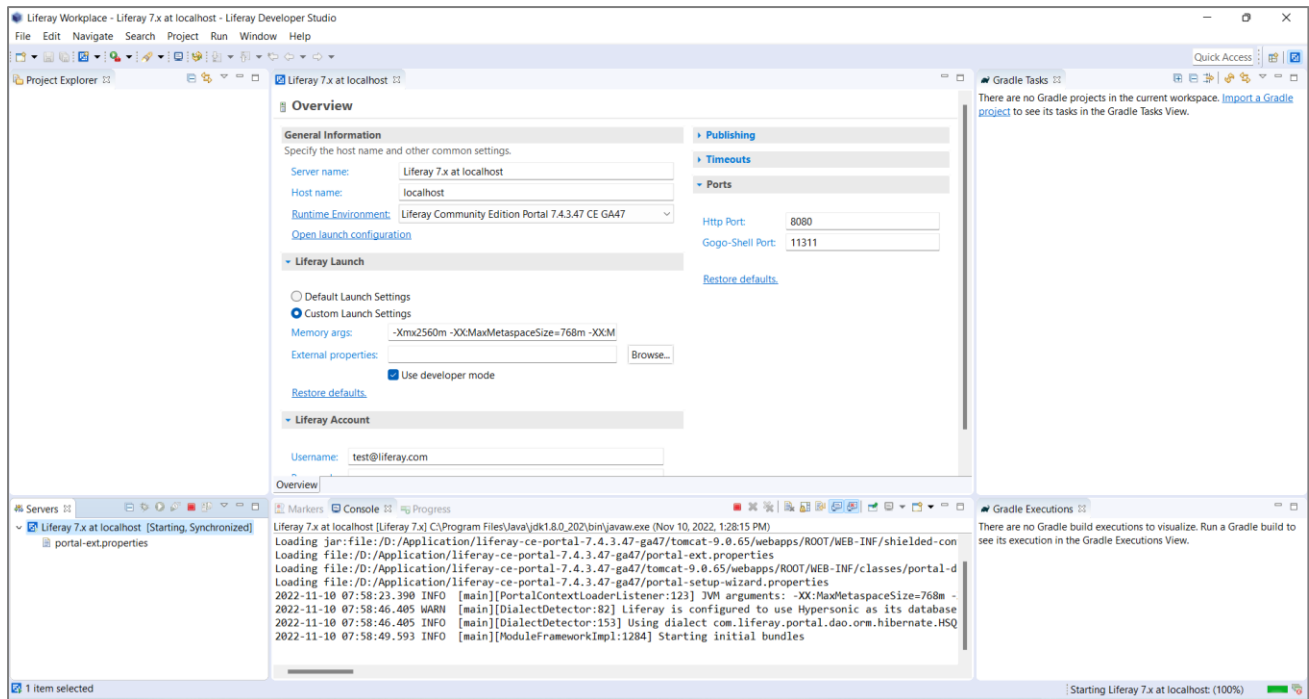


- Select jdk1.8.0_201 and Click Finish



- Start tomcat server





- Access the Liferay home via <http://localhost:8080/>

Basic Configuration

PORTAL

Portal Name *

OnlineNews

Default Language

English (United States) Change

Time Zone

(UTC) Coordinated Universal Time

DATABASE

Database Type

MySQL

JDBC URL *

jdbc:mysql://localhost/liferay_project?characterEncoding=UTF-8&dontTrackOpenResources=true

JDBC Driver Class Name *

com.mysql.cj.jdbc.Driver

User Name

root

Password

ADMINISTRATOR USER

First Name *

Chathushi

Last Name *

Jayarathna

Email *

chathushi0707@gmail.com

SAMPLE DATA

☐ Add Sample Data

Finish Configuration

Powered by Liferay

Terms of Use



Placeholder for Terms of Use

Terms of use are shown to each user on first login. An administrative user must configure the Terms of Use at Control Panel > Configuration > Instance Settings.

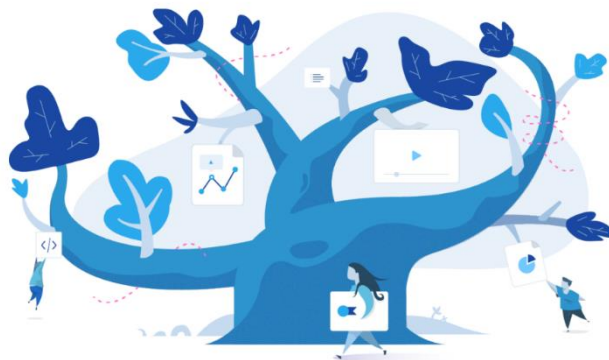
[I Agree](#)

[I Disagree](#)



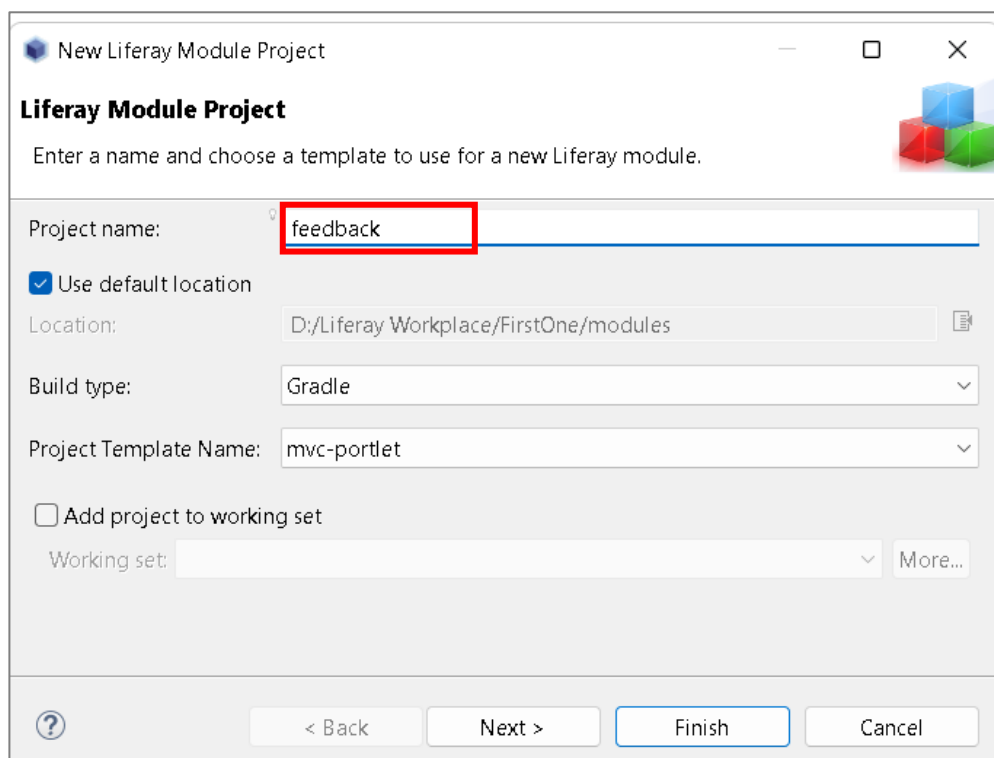
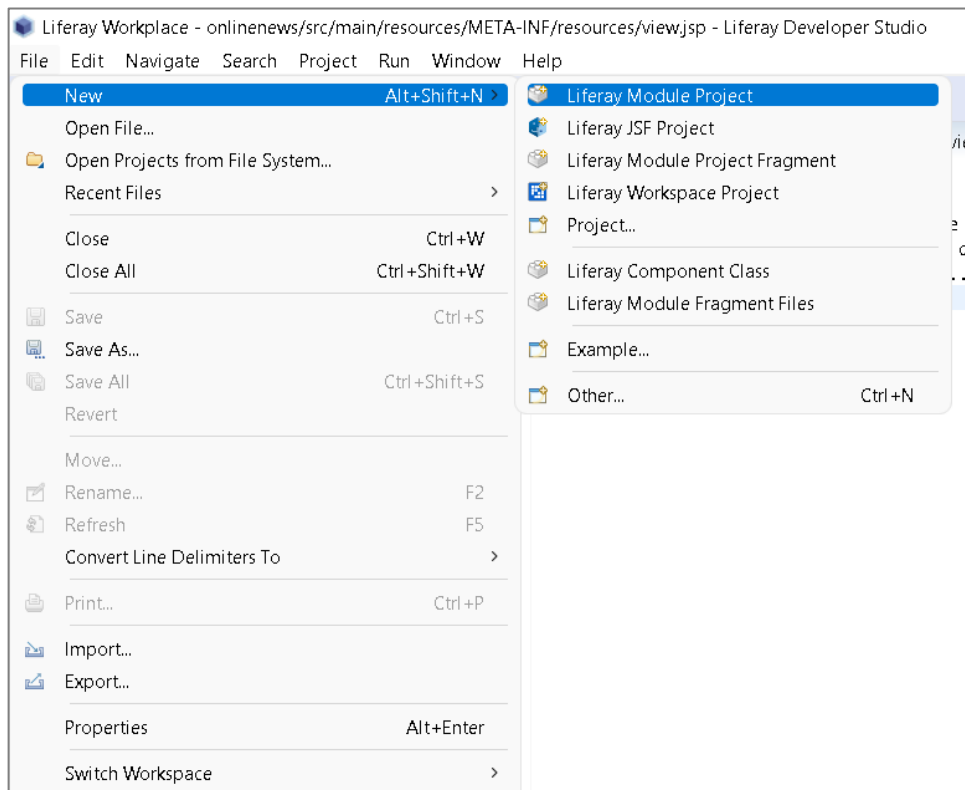
Welcome to Liferay

Liferay Community Edition Portal 7.4.3.47 CE GA47
(Cavanaugh / Build 7403 / October 21, 2022)

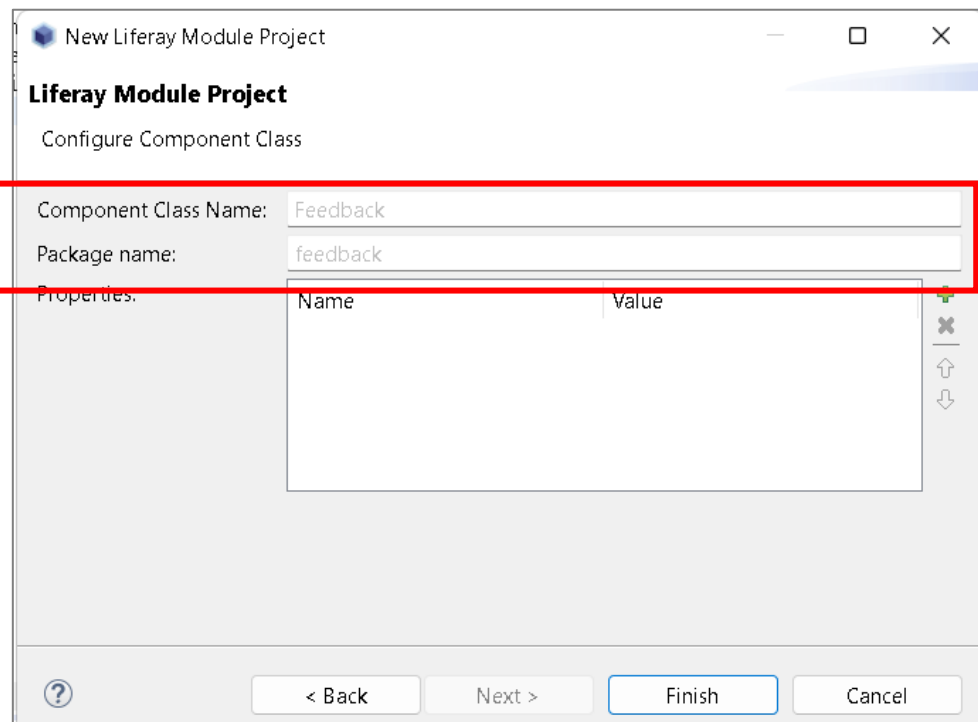


2. Create Feedback MVC Portlet

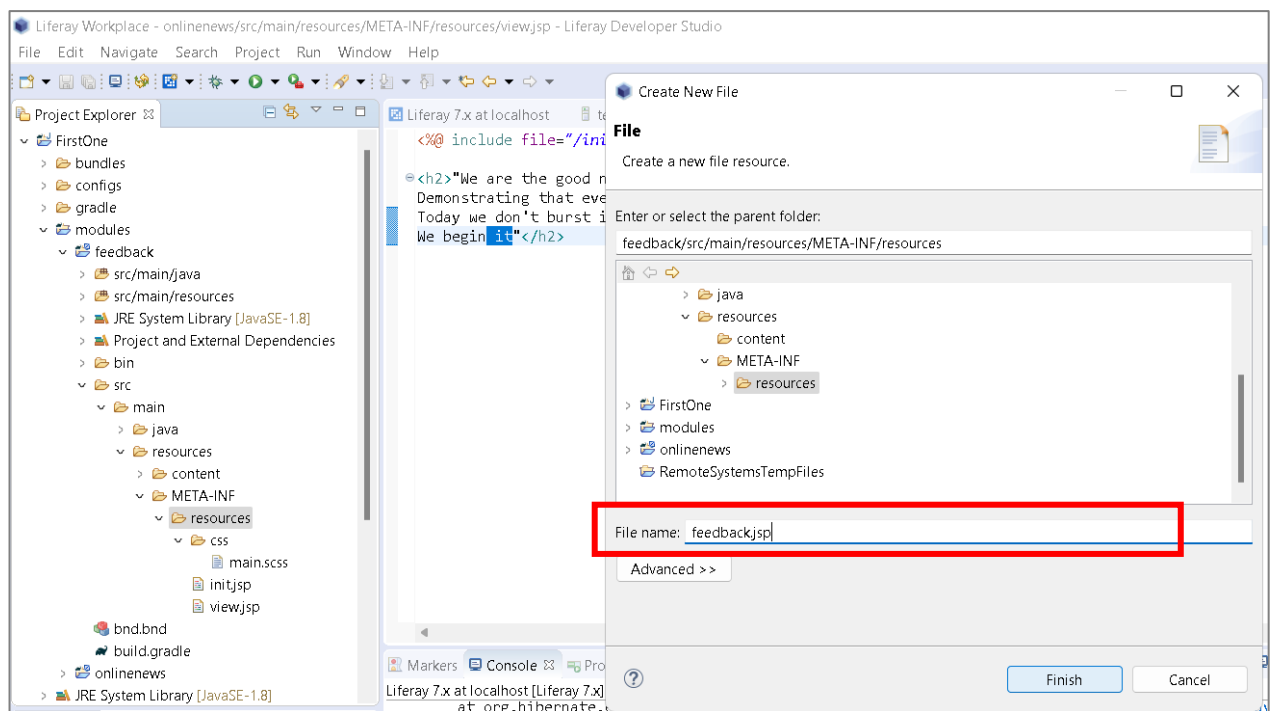
Create a new Liferay module project with a project name "newsportalFeedback".



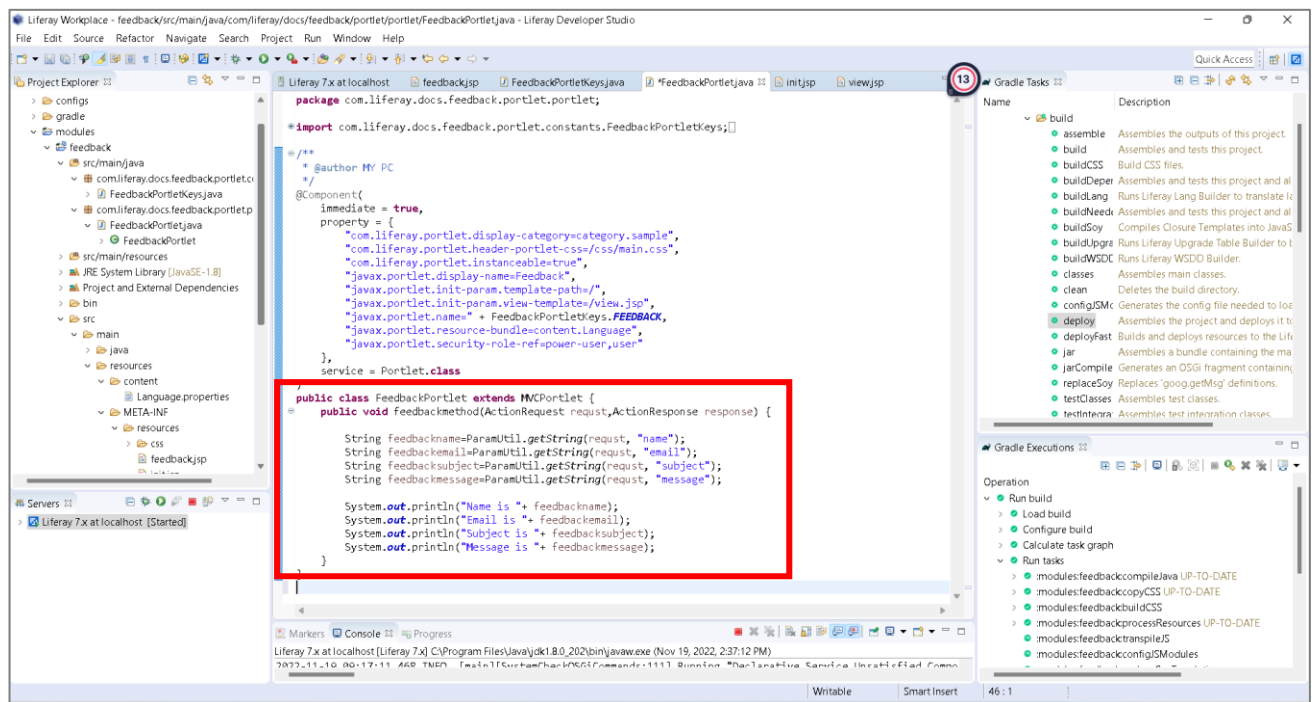
- ✓ Create Liferay MVC portlet (FeedbackPortlet) with package name "com.liferay.docs.feedback.portlet".



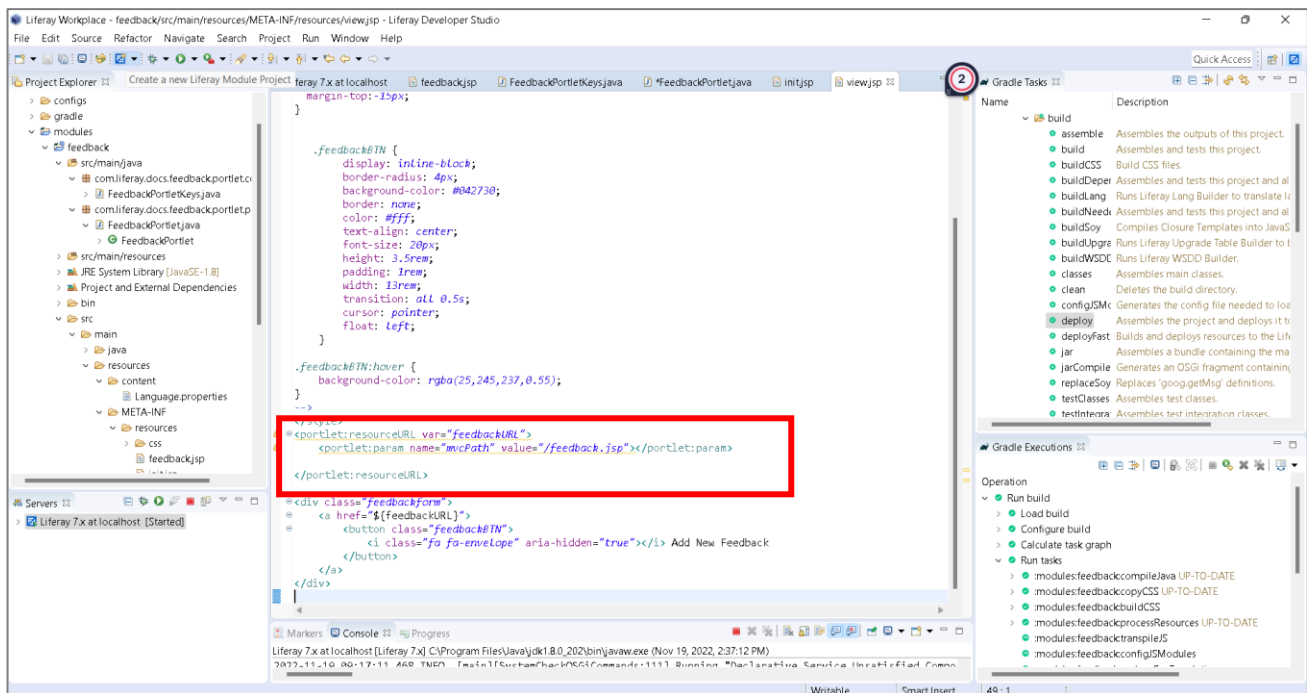
- ✓ Create a new JSP (feedback.jsp) and simply create action URLs and Feedback Form to submit the feedback



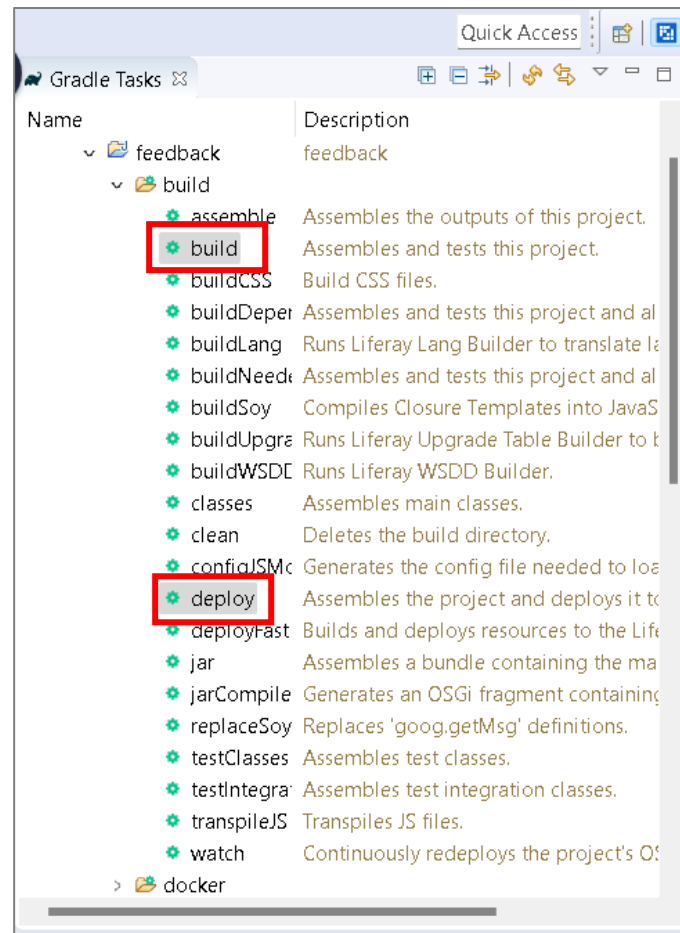
- ✓ Implement a controller (a portlet action) method to handle the Feedback form. You need to specify the portlet class action method as the URL name attribute. In the action method, get the form input data and print it.



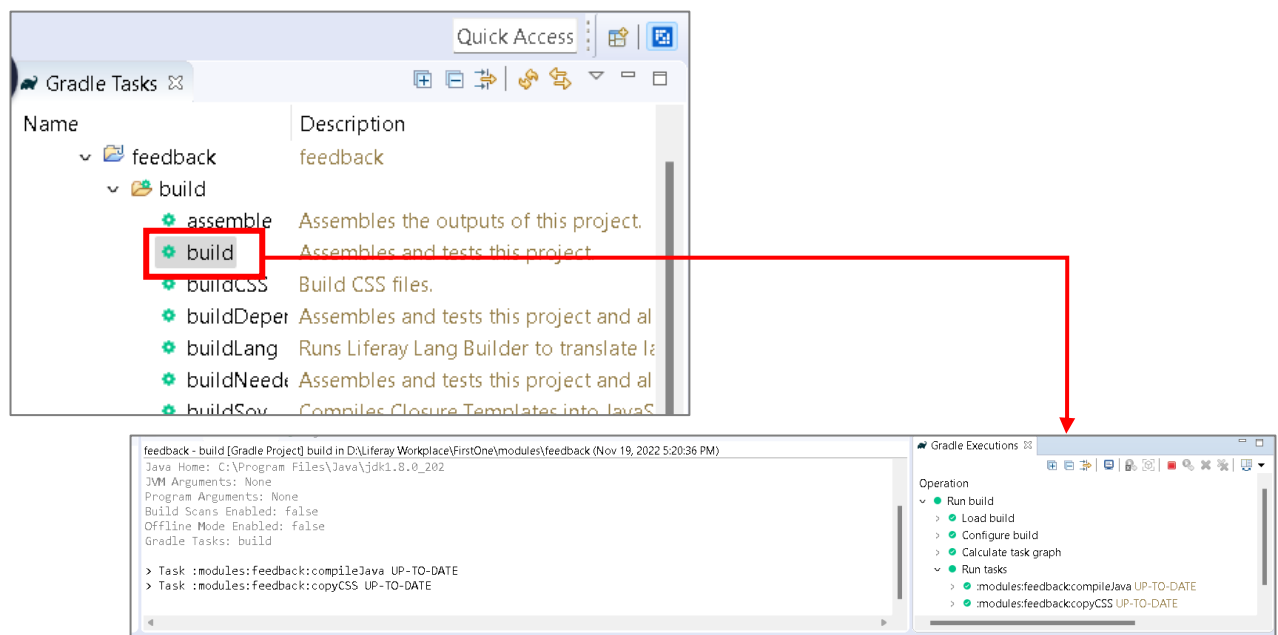
- ✓ In view.jsp, add the "Add New Feedback" link by using render URL tag. When the user clicks the link, the "Feedback form" appears.



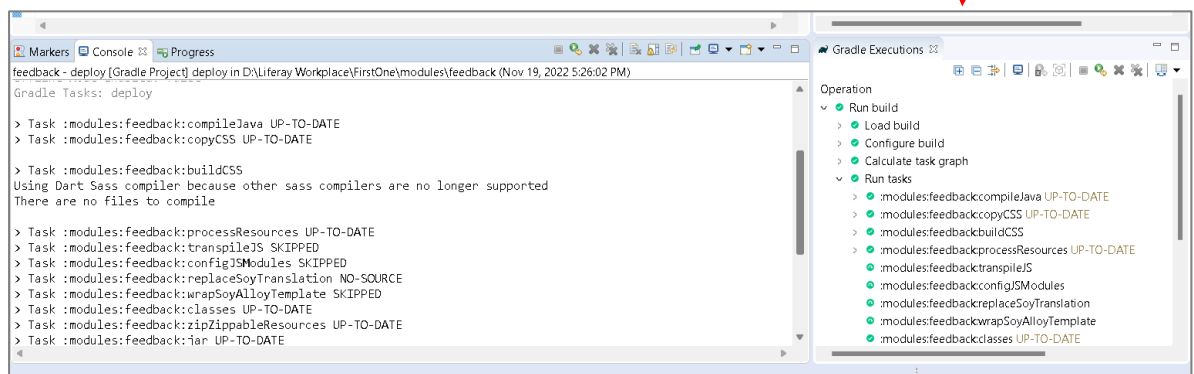
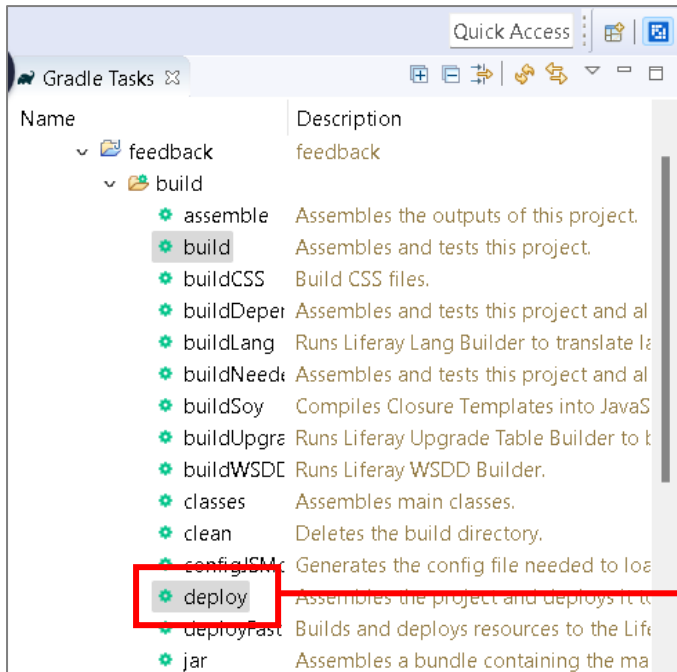
- ✓ Build and Deploy the portlet. Enable and test the portlet.



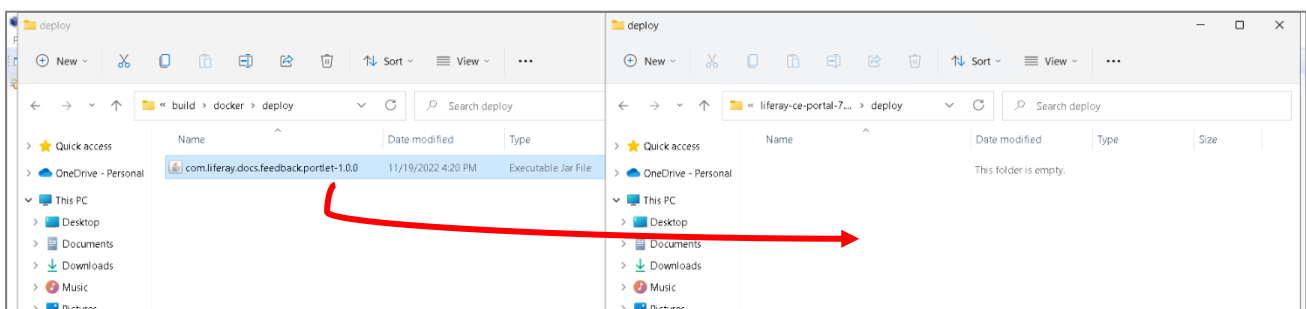
- ✓ Click Build



✓ Then Deploy



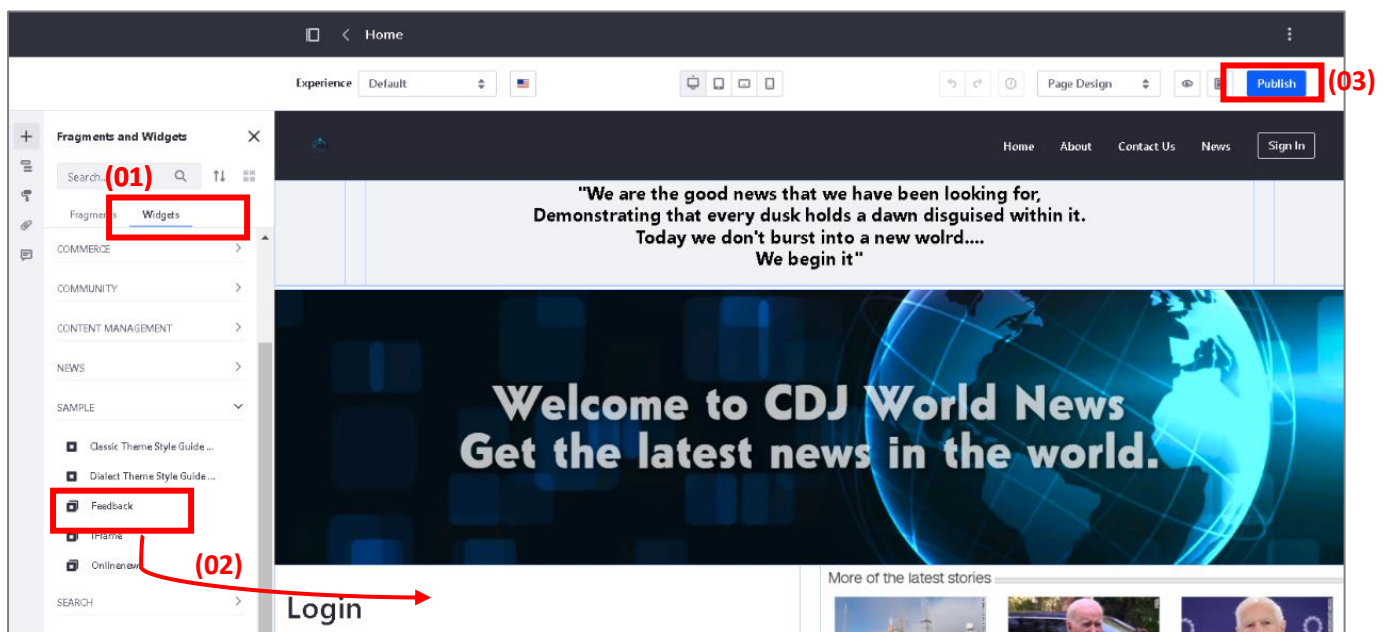
✓ Go to "D:\Liferay Workplace\FirstOne\build\docker\deploy" and drag and drop "com.liferay.docs.feedback.portlet-1.0.0" file to "D:\Application\liferay-ce-portal-7.4.3.47-ga47\deploy"



- ✓ Open Liferay
 - Go to home page (localhost:8080)



- Click the widget and drag and drop the feedback portlet to the home page



[Home](#)

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Password


Enter Your Password

Submit


Select Form

Add New Feedback


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Hear Biden's response when asked about origin of missile in Poland strike




Ex-NATO commander explains articles 4 and 5 of NATO treaty



Former NATO ambassador reveals the 'worst thing' NATO can do right now



The conservations protecting Africa's vulnerable animals



First-time NASA spacewalkers ventured outside the space station Tuesday

Feedback Form

We would love to hear your thoughts, suggestions, concerns or problems with anything so we can improve!

Name

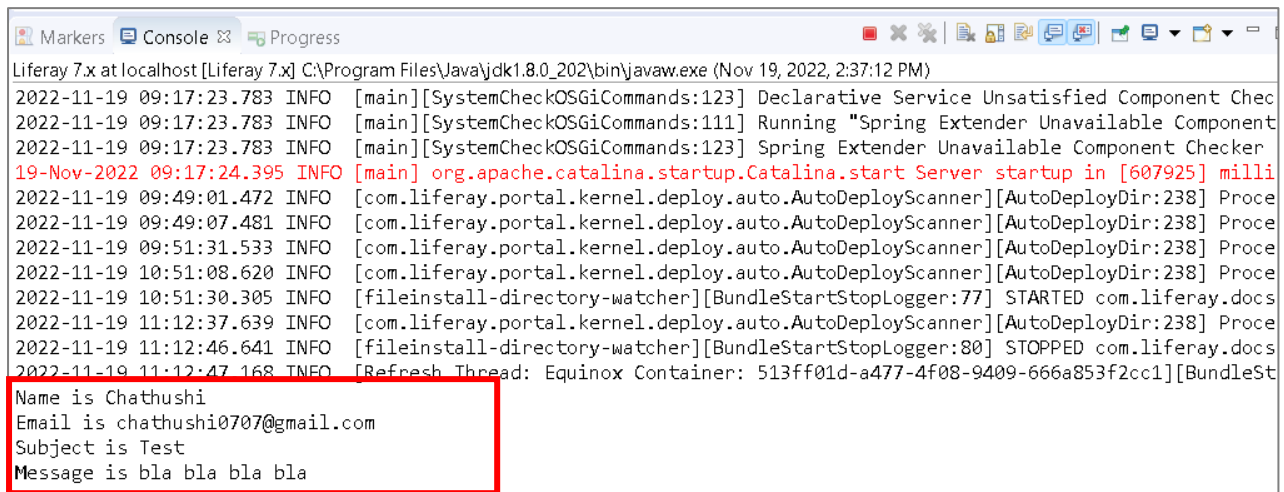
Email

Feedback Subject

Describe Your Feedback

SEND FEEDBACK

- ✓ Fill the all fields after clicking Submit Button Go Liferay console to see your submitted details



The screenshot shows a Liferay console window with a title bar containing 'Markers', 'Console', and 'Progress'. The main area displays a series of log messages. A red box highlights a specific message at the bottom of the log list.

```
Liferay 7.x at localhost [Liferay 7.x] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (Nov 19, 2022, 2:37:12 PM)
2022-11-19 09:17:23.783 INFO [main][SystemCheckOSGiCommands:123] Declarative Service Unsatisfied Component Chec
2022-11-19 09:17:23.783 INFO [main][SystemCheckOSGiCommands:111] Running "Spring Extender Unavailable Component
2022-11-19 09:17:23.783 INFO [main][SystemCheckOSGiCommands:123] Spring Extender Unavailable Component Checker
19-Nov-2022 09:17:24.395 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in [607925] milli
2022-11-19 09:49:01.472 INFO [com.liferay.portal.kernel.deploy.auto.AutoDeployScanner][AutoDeployDir:238] Proce
2022-11-19 09:51:31.533 INFO [com.liferay.portal.kernel.deploy.auto.AutoDeployScanner][AutoDeployDir:238] Proce
2022-11-19 10:51:08.620 INFO [com.liferay.portal.kernel.deploy.auto.AutoDeployScanner][AutoDeployDir:238] Proce
2022-11-19 10:51:30.305 INFO [fileinstall-directory-watcher][BundleStartStopLogger:77] STARTED com.liferay.docs
2022-11-19 11:12:37.639 INFO [com.liferay.portal.kernel.deploy.auto.AutoDeployScanner][AutoDeployDir:238] Proce
2022-11-19 11:12:46.641 INFO [fileinstall-directory-watcher][BundleStartStopLogger:80] STOPPED com.liferay.docs
2022-11-19 11:12:47.168 INFO [Refresh Thread: Equinox Container: 513ff01d-a477-4f08-9409-666a853f2cc1][BundleSt
Name is Chathushi
Email is chathushi0707@gmail.com
Subject is Test
Message is bla bla bla bla
```