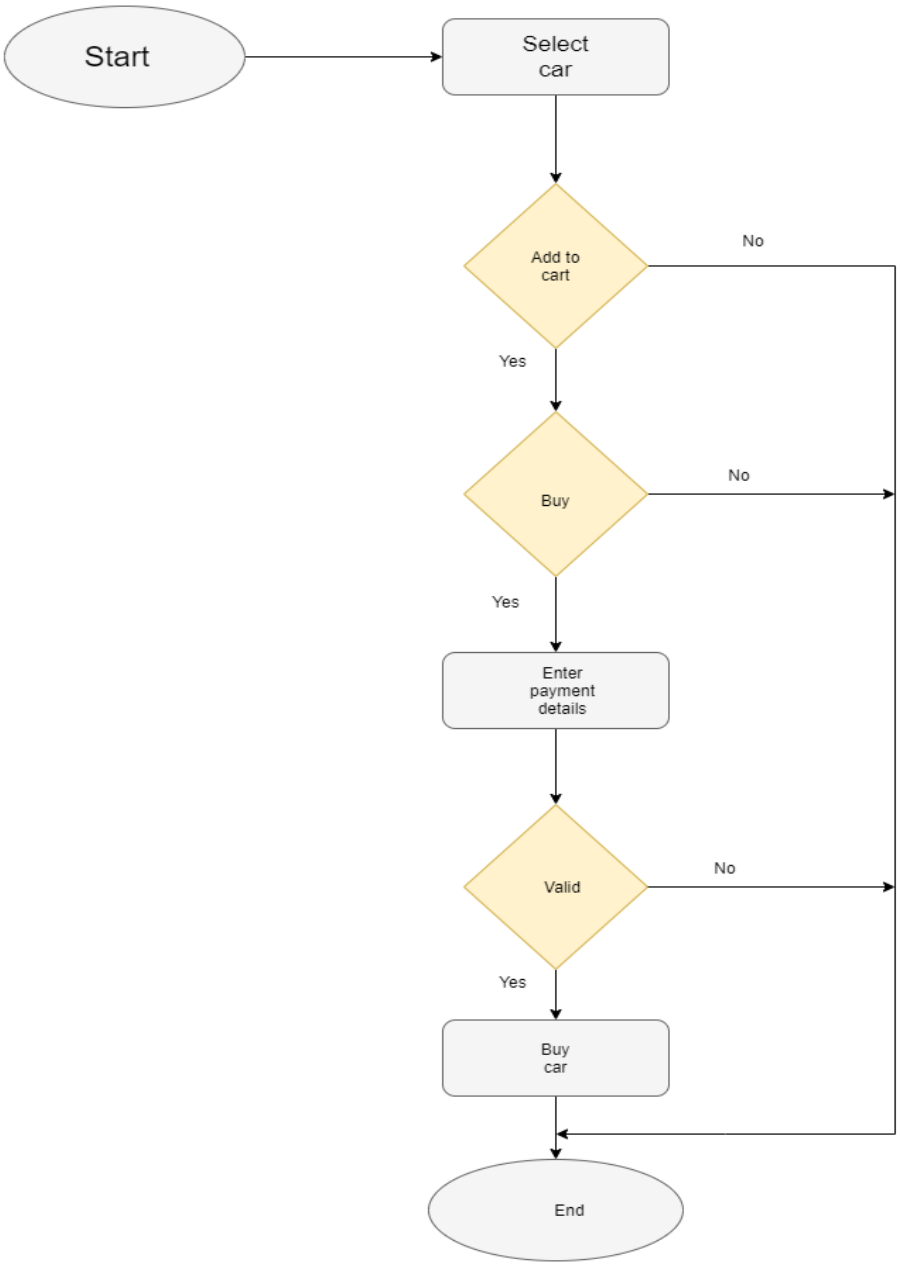
INTRODUCTION

The OSGi Alliance, formerly known as the Open Service Gateway Initiative, is an open standards organization founded in March 1999. OSGi is a Java framework. OSGI use for developing and deploying modular software programs and libraries. OSGi technology is set of specifications that define a dynamic module system for java.

For modern topics in information technology module assignment 1, we have done the car sale management system according to OSGI framework. Buy service, cart service, producer service and subscriber service are the producers of this system. The consumer of this system is the customer.

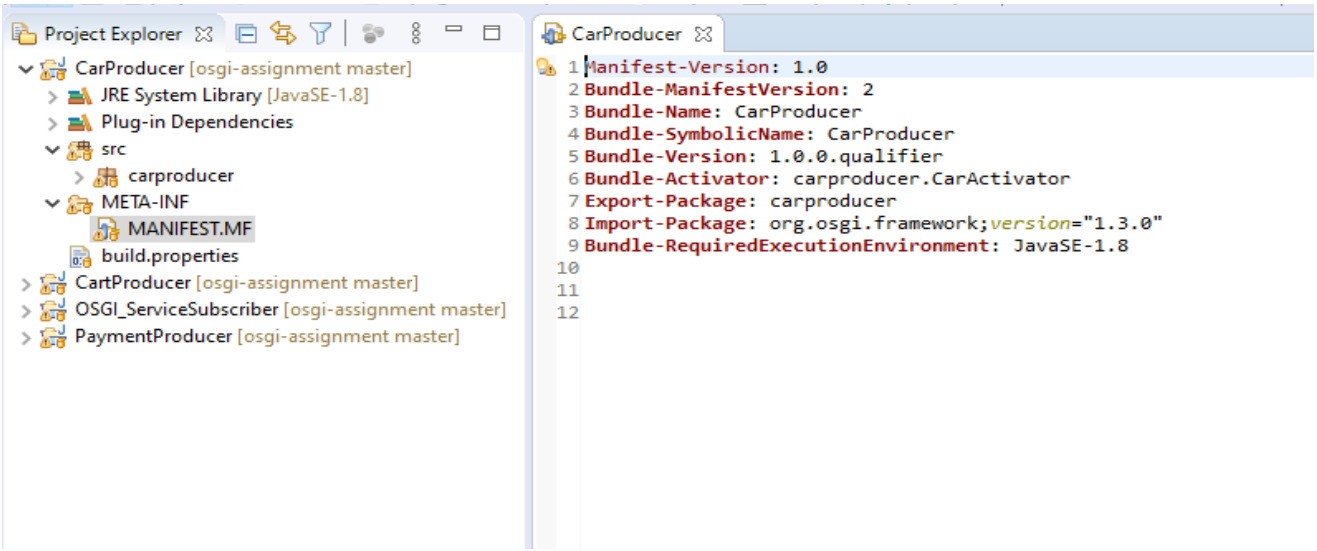
METHODOLGY

- **SYSTEM DIAGRAM**

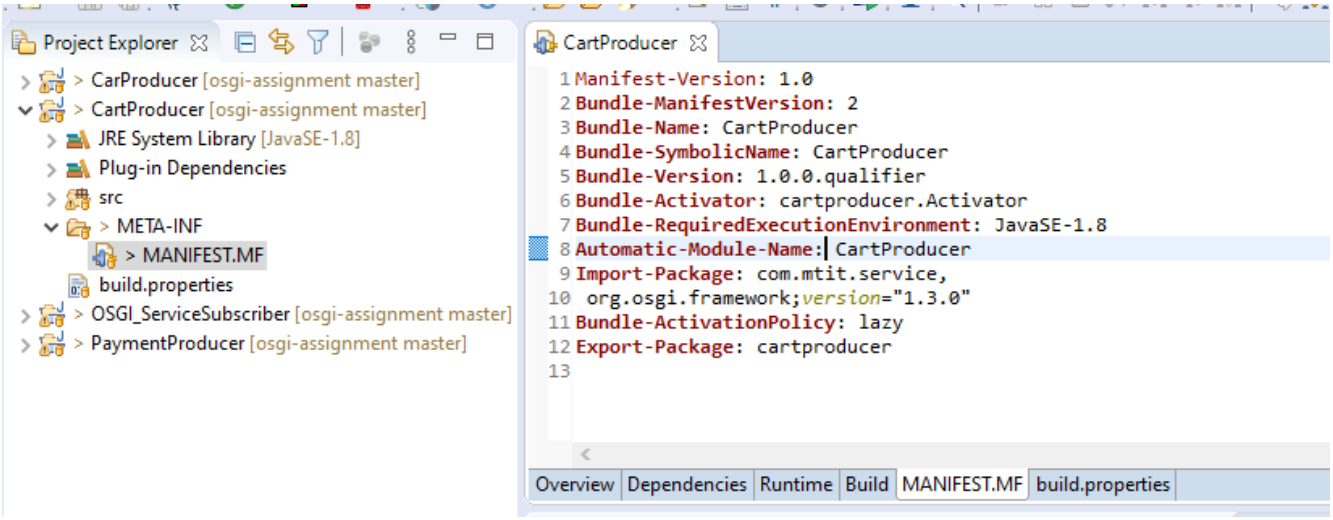


1. Manifest Implementation

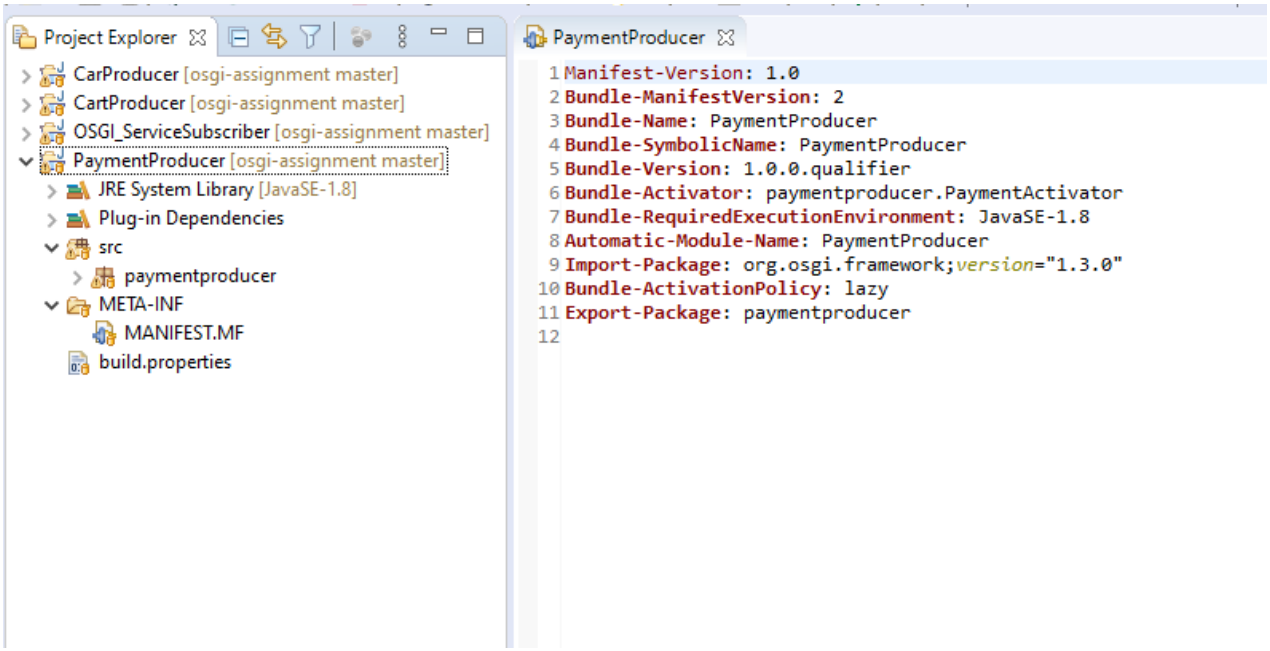
a. Car Producer



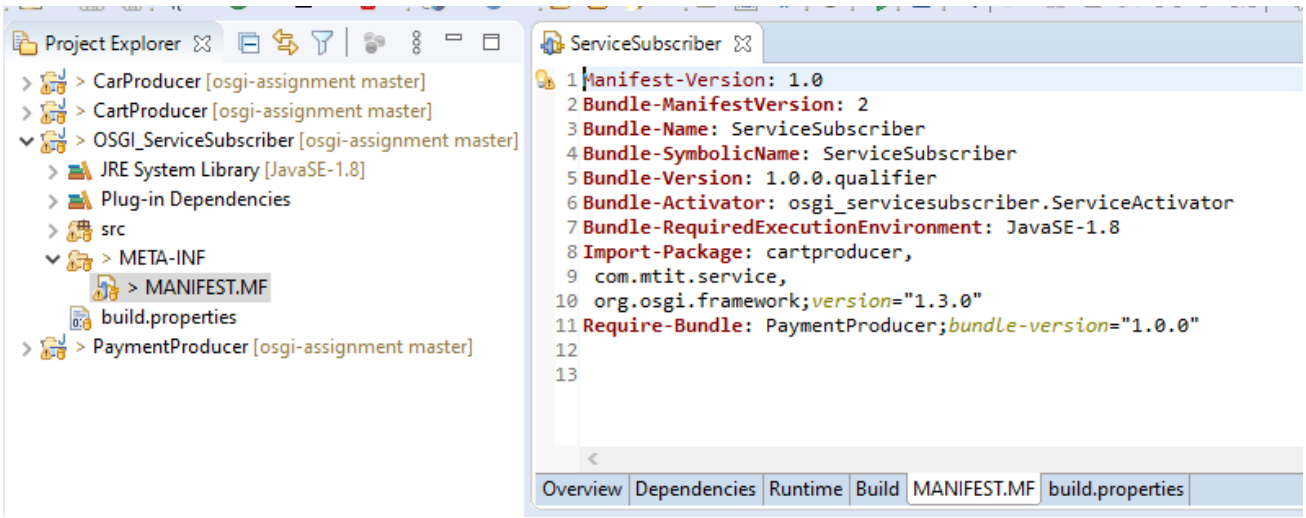
b. Cart Producer



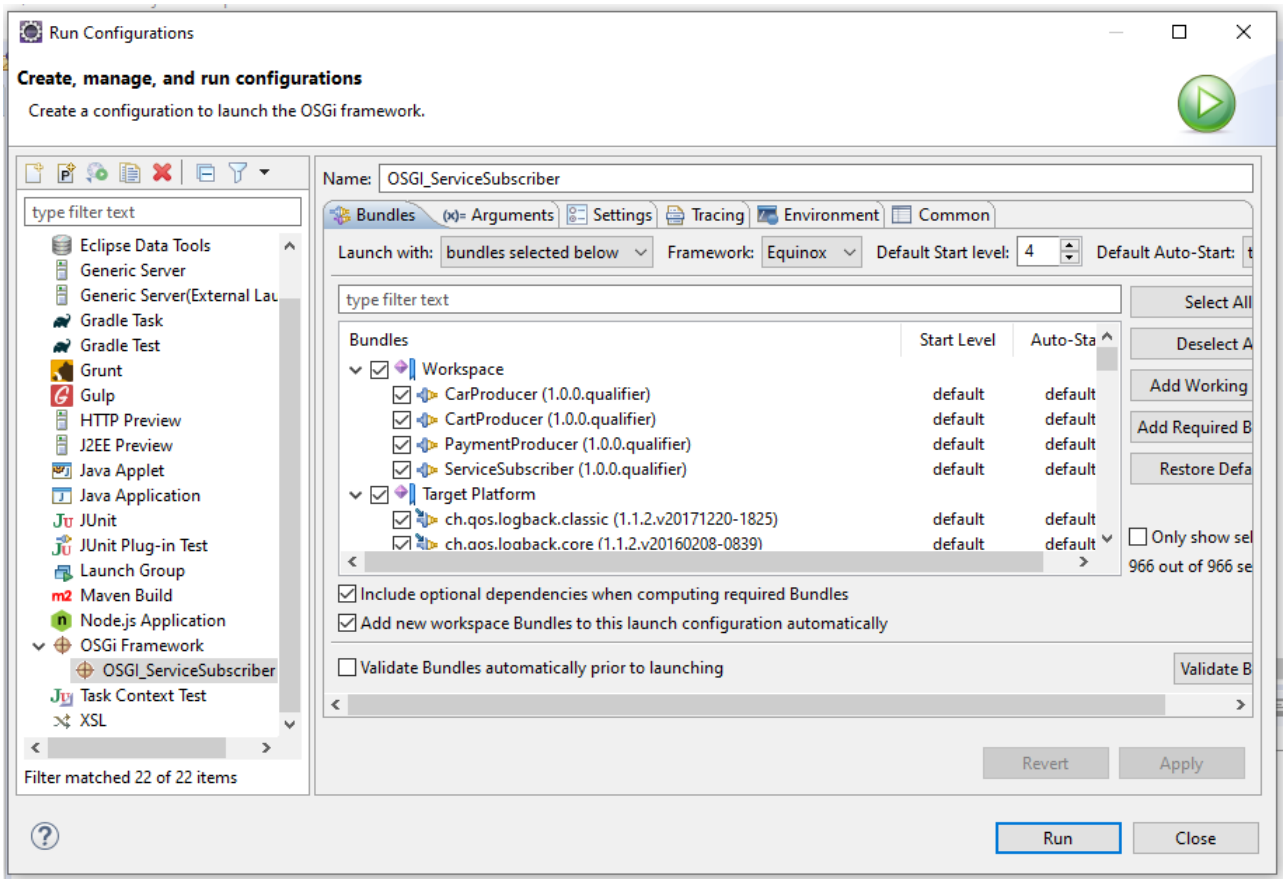
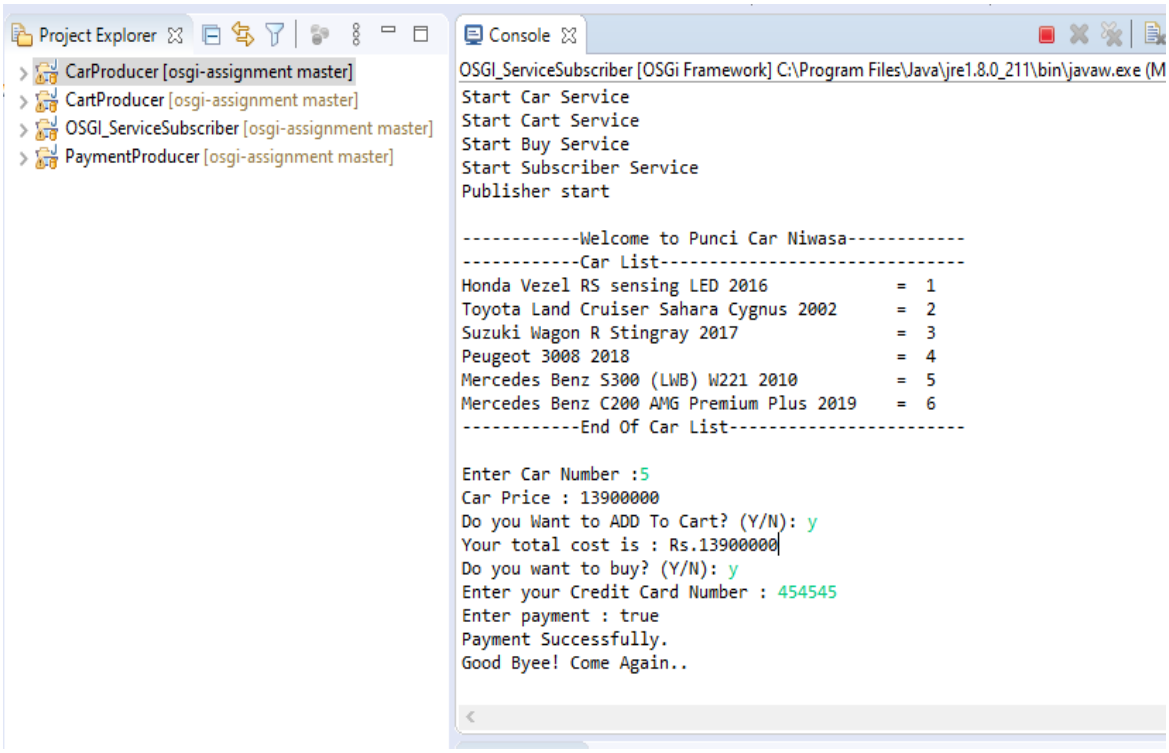
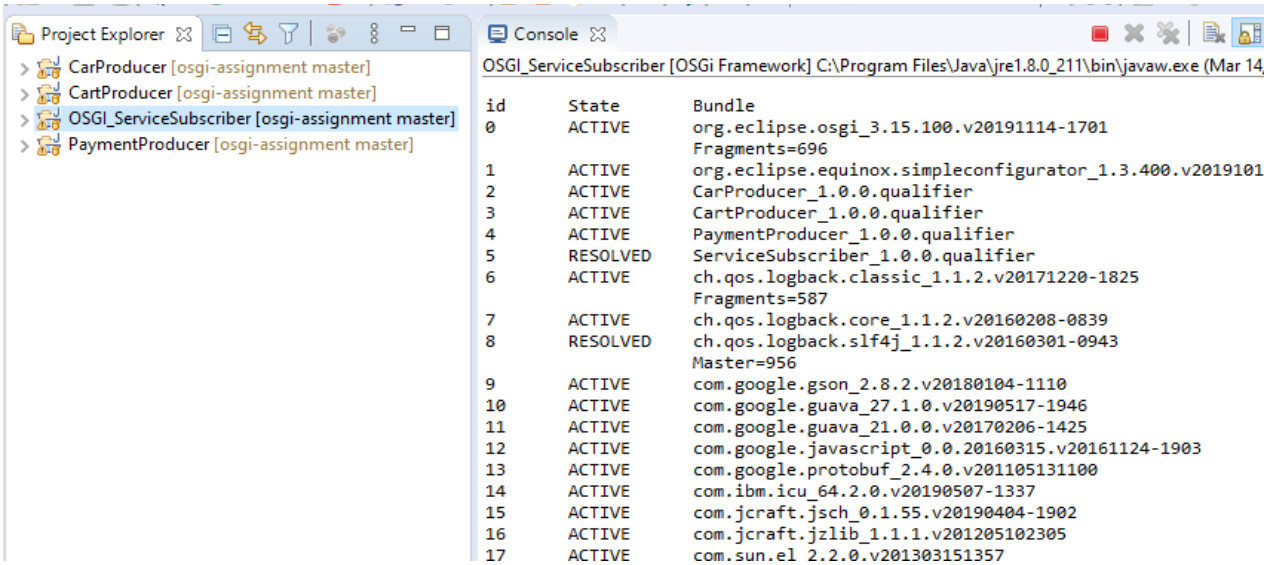
c. Payment Producer



d. Subscriber



2. Bundles


Run Configurations
Create, manage, and run configurations
Create a configuration to launch the OSGi framework.
type filter text
Eclipse Data Tools
Generic Server
Generic Server(External Lau
Gradle Task
Gradle Test
Grunt
Gulp
HTTP Preview
J2EE Preview
Java Applet
Java Application
JUnit
JUnit Plug-in Test
Launch Group
Maven Build
Node.js Application
OSGi Framework
OSGI_ServiceSubscriber
Task Context Test
XSL
Filter matched 22 of 22 items
Name: OSGI_ServiceSubscriber
Bundles
Arguments
Settings
Tracing
Environment
Common
Launch with: bundles selected below
Framework: Equinox
Default Start level: 4
Default Auto-Start:
type filter text
Select All
Deselect A
Add Working
Add Required B
Restore Defa
Bundles
Start Level
Auto-Sta
Workspace
CarProducer (1.0.0.qualifier)
CartProducer (1.0.0.qualifier)
PaymentProducer (1.0.0.qualifier)
ServiceSubscriber (1.0.0.qualifier)
Target Platform
ch.qos.logback.classic (1.1.2.v20171220-1825)
ch.qos.logback.core (1.1.2.v20160208-0839)
default
Only show sel
966 out of 966 se
Include optional dependencies when computing required Bundles
Add new workspace Bundles to this launch configuration automatically
Validate Bundles automatically prior to launching
Validate B
Revert
Apply
Run
Close

3. Behavior & Output