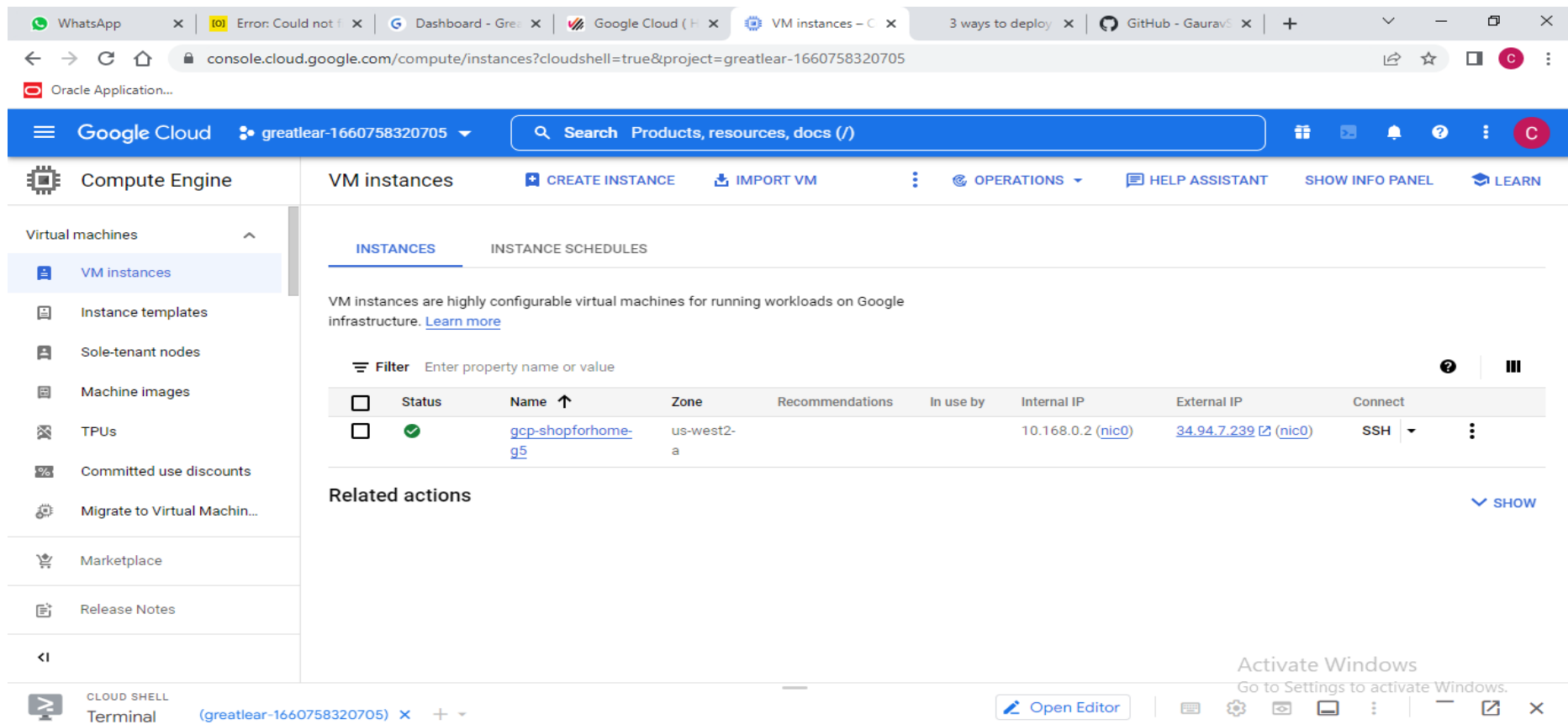


Running Spring boot application(backend) on Google cloud

Step 1: Create compute engine vm instance



The screenshot shows the Google Cloud console interface for the project 'greatlear-1660758320705'. The 'Compute Engine' section is active, displaying the 'VM instances' page. The left sidebar lists various resources, with 'VM instances' selected. The main content area shows a table of VM instances. One instance is listed with the name 'gcp-shopforhome-g5', located in the 'us-west2-a' zone. The instance is in a 'Running' state, indicated by a green checkmark. The internal IP is '10.168.0.2' and the external IP is '34.94.7.239'. The 'Connect' column shows an 'SSH' button. Below the table, there is a 'Related actions' section with a 'SHOW' button. At the bottom of the console, there is a 'Terminal' window and an 'Open Editor' button. A Windows activation watermark is visible in the bottom right corner.

Google Cloud | greatlear-1660758320705 | Search | Products, resources, docs (/)

Compute Engine | VM instances | CREATE INSTANCE | IMPORT VM | OPERATIONS | HELP ASSISTANT | SHOW INFO PANEL | LEARN

Virtual machines | VM instances | Instance templates | Sole-tenant nodes | Machine images | TPUs | Committed use discounts | Migrate to Virtual Machin... | Marketplace | Release Notes

INSTANCES | INSTANCE SCHEDULES

VM instances are highly configurable virtual machines for running workloads on Google infrastructure. [Learn more](#)

Filter Enter property name or value

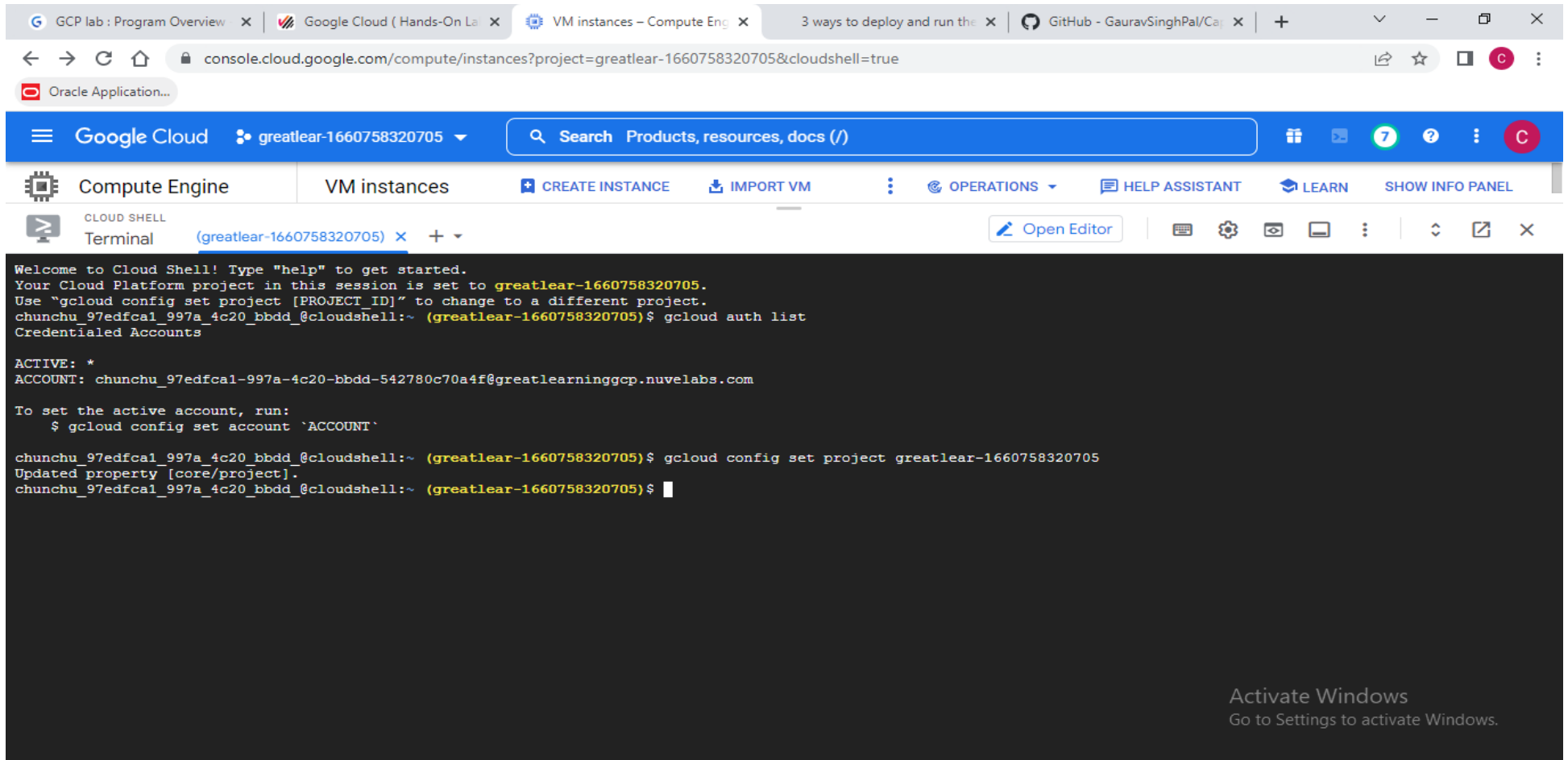
Status	Name ↑	Zone	Recommendations	In use by	Internal IP	External IP	Connect
Running	gcp-shopforhome-g5	us-west2-a			10.168.0.2 (nic0)	34.94.7.239 (nic0)	SSH

Related actions [SHOW](#)

CLOUD SHELL Terminal | (greatlear-1660758320705) | Open Editor

Activate Windows | Go to Settings to activate Windows.

Step-2: Configuring project and location on gcloud shell



The screenshot shows the Google Cloud console interface. The top navigation bar includes the Google Cloud logo, the project ID 'greatlear-1660758320705', a search bar, and various icons. The main content area is divided into two tabs: 'Compute Engine' and 'VM instances'. The 'Cloud Shell' tab is active, showing a terminal window with the following text:

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to greatlear-1660758320705.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ gcloud auth list
Credentialed Accounts

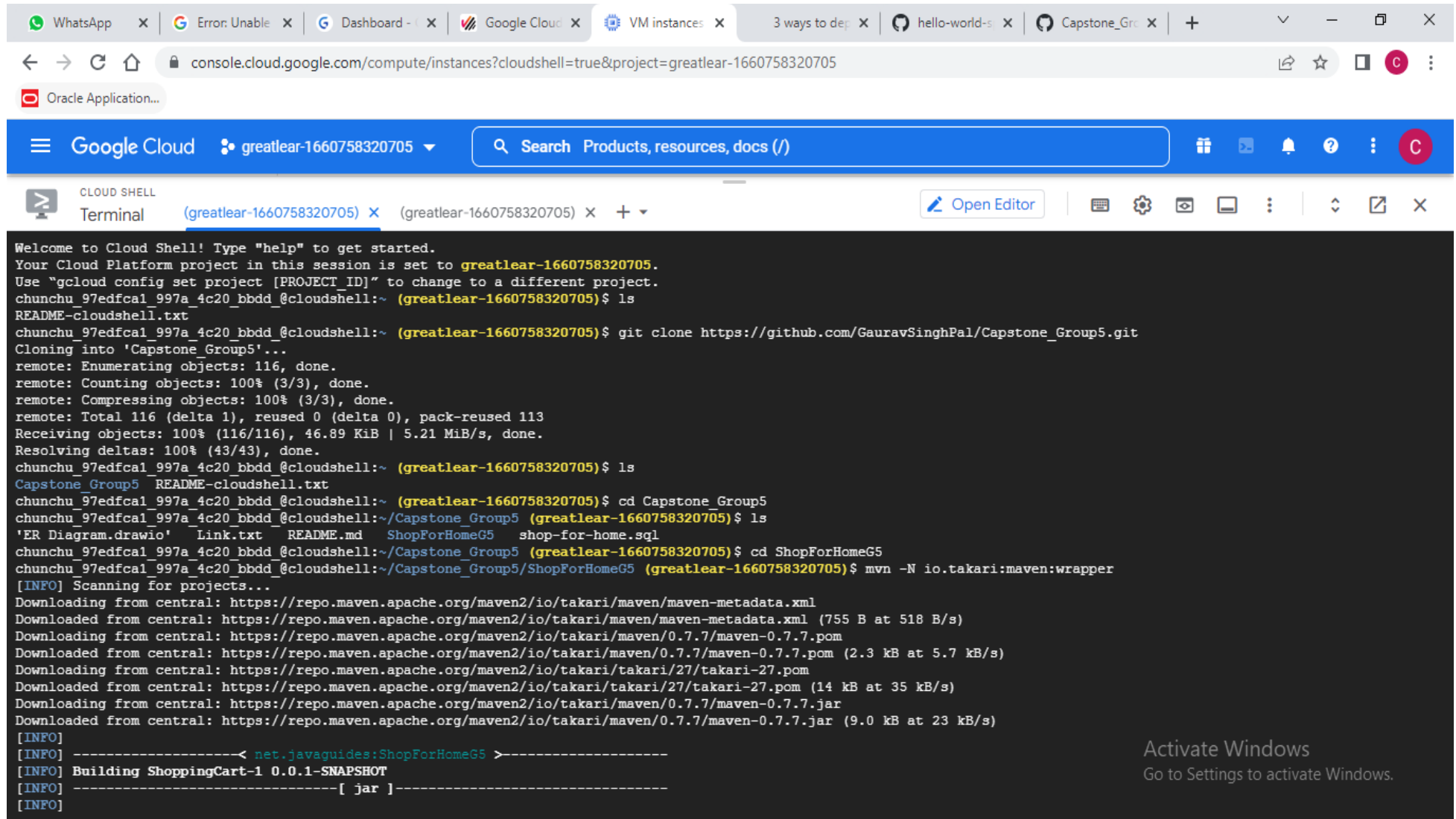
ACTIVE: *
ACCOUNT: chunchu_97edfca1-997a-4c20-bbdd-542780c70a4f@greatlearninggcp.nuvelabs.com

To set the active account, run:
$ gcloud config set account `ACCOUNT`

chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ gcloud config set project greatlear-1660758320705
Updated property [core/project].
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$
```

An 'Activate Windows' watermark is visible in the bottom right corner of the terminal window.

Step-3: Cloning project from git repository



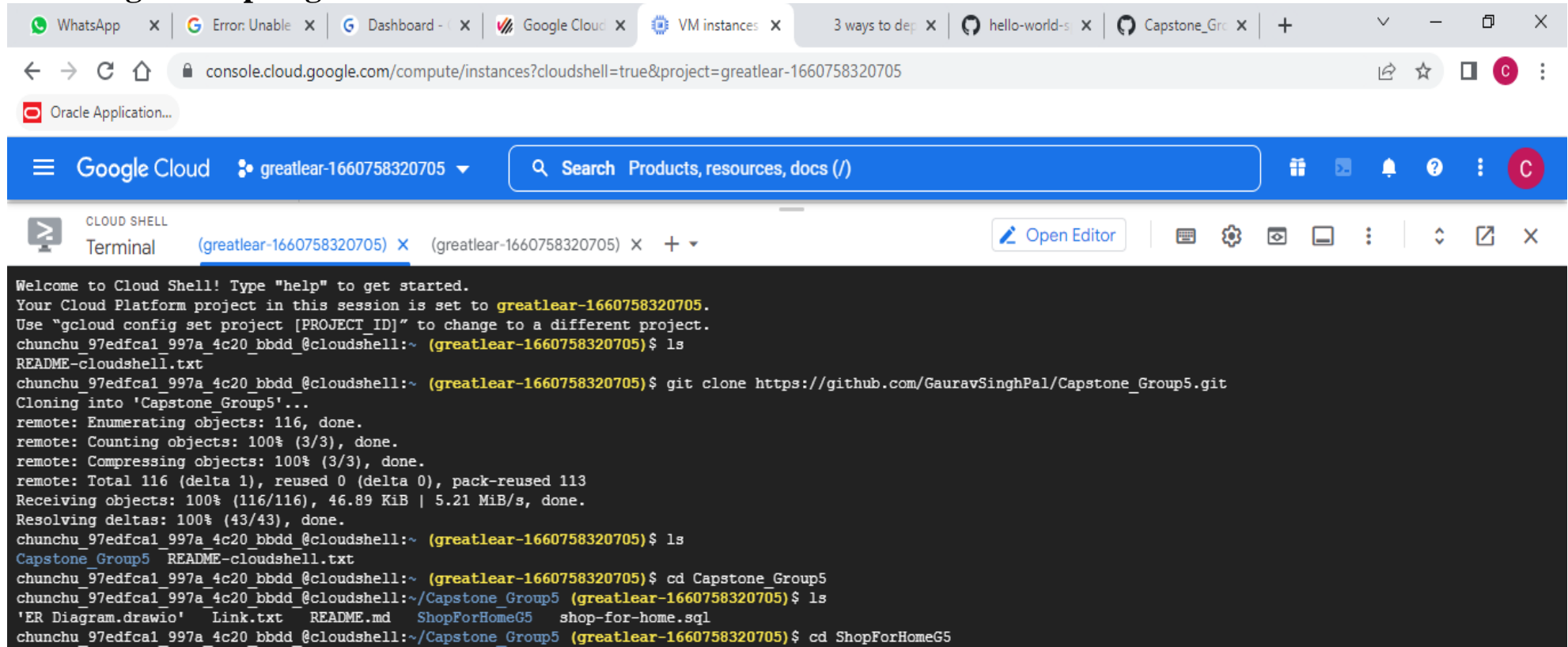
The screenshot shows a web browser window with the Google Cloud Console interface. The top navigation bar includes the Google Cloud logo, the project ID 'greatlear-1660758320705', and a search bar. Below the navigation bar, the 'CLOUD SHELL' tab is active, displaying a terminal window. The terminal output shows the following commands and results:

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to greatlear-1660758320705.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
chunchu 97edfca1 997a 4c20 bbdd @cloudshell:~ (greatlear-1660758320705)$ ls
README-cloudshell.txt
chunchu 97edfca1 997a 4c20 bbdd @cloudshell:~ (greatlear-1660758320705)$ git clone https://github.com/GauravSinghPal/Capstone_Group5.git
Cloning into 'Capstone_Group5'...
remote: Enumerating objects: 116, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 116 (delta 1), reused 0 (delta 0), pack-reused 113
Receiving objects: 100% (116/116), 46.89 KiB | 5.21 MiB/s, done.
Resolving deltas: 100% (43/43), done.
chunchu 97edfca1 997a 4c20 bbdd @cloudshell:~ (greatlear-1660758320705)$ ls
Capstone_Group5 README-cloudshell.txt
chunchu 97edfca1 997a 4c20 bbdd @cloudshell:~ (greatlear-1660758320705)$ cd Capstone_Group5
chunchu 97edfca1 997a 4c20 bbdd @cloudshell:~/Capstone_Group5 (greatlear-1660758320705)$ ls
'ER Diagram.drawio' Link.txt README.md ShopForHomeG5 shop-for-home.sql
chunchu 97edfca1 997a 4c20 bbdd @cloudshell:~/Capstone_Group5 (greatlear-1660758320705)$ cd ShopForHomeG5
chunchu 97edfca1 997a 4c20 bbdd @cloudshell:~/Capstone_Group5/ShopForHomeG5 (greatlear-1660758320705)$ mvn -N io.takari:maven:wrapper
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/io/takari/maven/maven-metadata.xml
Downloaded from central: https://repo.maven.apache.org/maven2/io/takari/maven/maven-metadata.xml (755 B at 518 B/s)
Downloading from central: https://repo.maven.apache.org/maven2/io/takari/maven/0.7.7/maven-0.7.7.pom
Downloaded from central: https://repo.maven.apache.org/maven2/io/takari/maven/0.7.7/maven-0.7.7.pom (2.3 kB at 5.7 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/io/takari/takari/27/takari-27.pom
Downloaded from central: https://repo.maven.apache.org/maven2/io/takari/takari/27/takari-27.pom (14 kB at 35 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/io/takari/maven/0.7.7/maven-0.7.7.jar
Downloaded from central: https://repo.maven.apache.org/maven2/io/takari/maven/0.7.7/maven-0.7.7.jar (9.0 kB at 23 kB/s)
[INFO]
[INFO] -----< net.javaguides:ShopForHomeG5 >-----
[INFO] Building ShoppingCart-1 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
```

On the right side of the terminal window, there is a watermark that reads: "Activate Windows Go to Settings to activate Windows."

Step 4: Add Google cloud plugin in pom.xml file after navigating to the folder containing spring-boot application

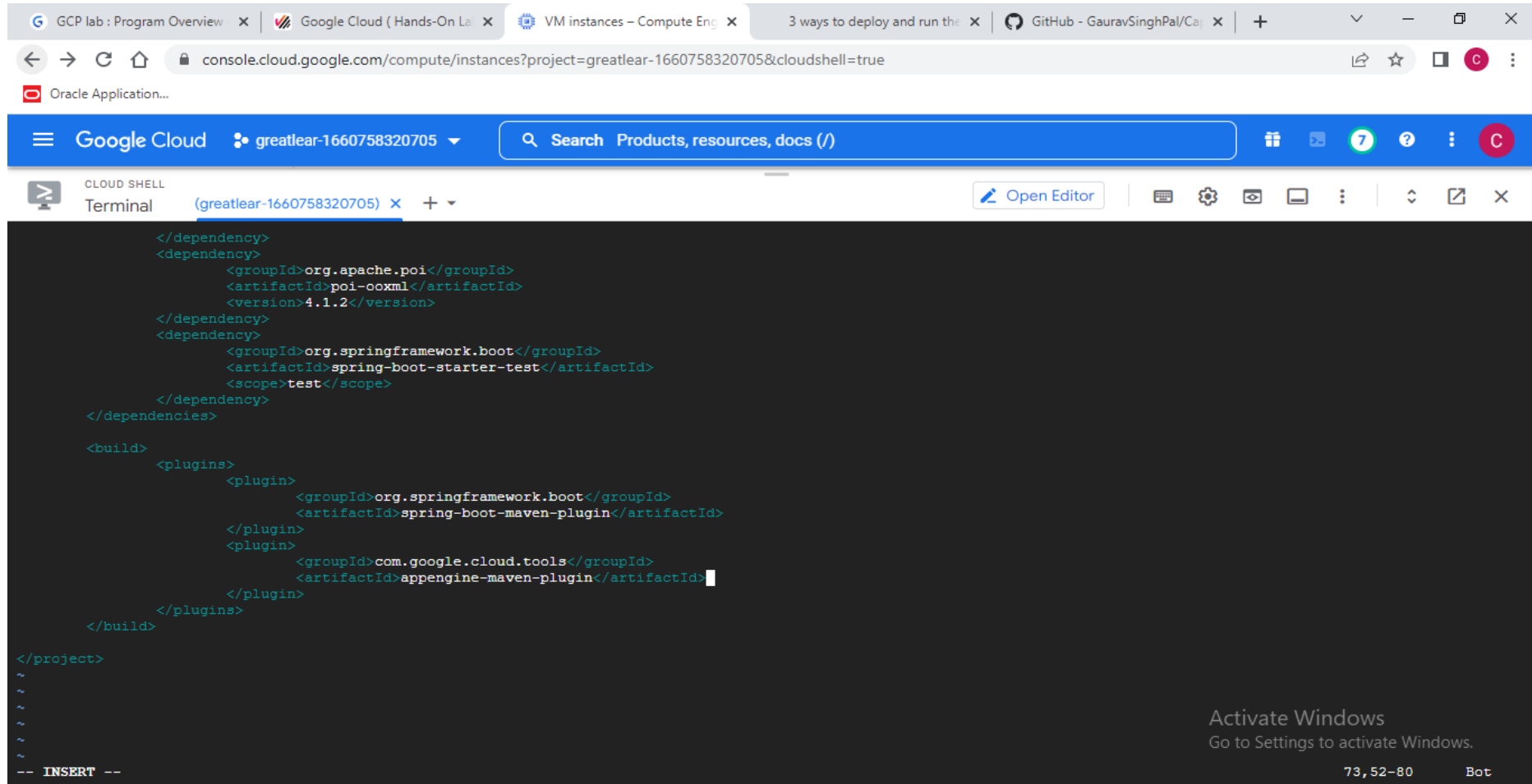
4.1 Navigate to spring boot file



The screenshot shows a web browser window with the Google Cloud Console interface. The address bar shows the URL `console.cloud.google.com/compute/instances?cloudshell=true&project=greatlear-1660758320705`. The Google Cloud header is visible with the project name `greatlear-1660758320705`. Below the header, the Cloud Shell terminal is open, showing the following commands and output:

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to greatlear-1660758320705.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ ls
README-cloudshell.txt
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ git clone https://github.com/GauravSinghPal/Capstone_Group5.git
Cloning into 'Capstone_Group5'...
remote: Enumerating objects: 116, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 116 (delta 1), reused 0 (delta 0), pack-reused 113
Receiving objects: 100% (116/116), 46.89 KiB | 5.21 MiB/s, done.
Resolving deltas: 100% (43/43), done.
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ ls
Capstone_Group5 README-cloudshell.txt
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ cd Capstone_Group5
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5 (greatlear-1660758320705)$ ls
'ER Diagram.drawio' Link.txt README.md ShopForHomeG5 shop-for-home.sql
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5 (greatlear-1660758320705)$ cd ShopForHomeG5
```

4.2 pom.xml file



The screenshot shows a web browser window with multiple tabs. The active tab is 'console.cloud.google.com/compute/instances?project=greatlear-1660758320705&cloudshell=true'. Below the browser window is the Google Cloud console interface. The 'CLOUD SHELL' tab is active, showing a terminal window with the following XML content:

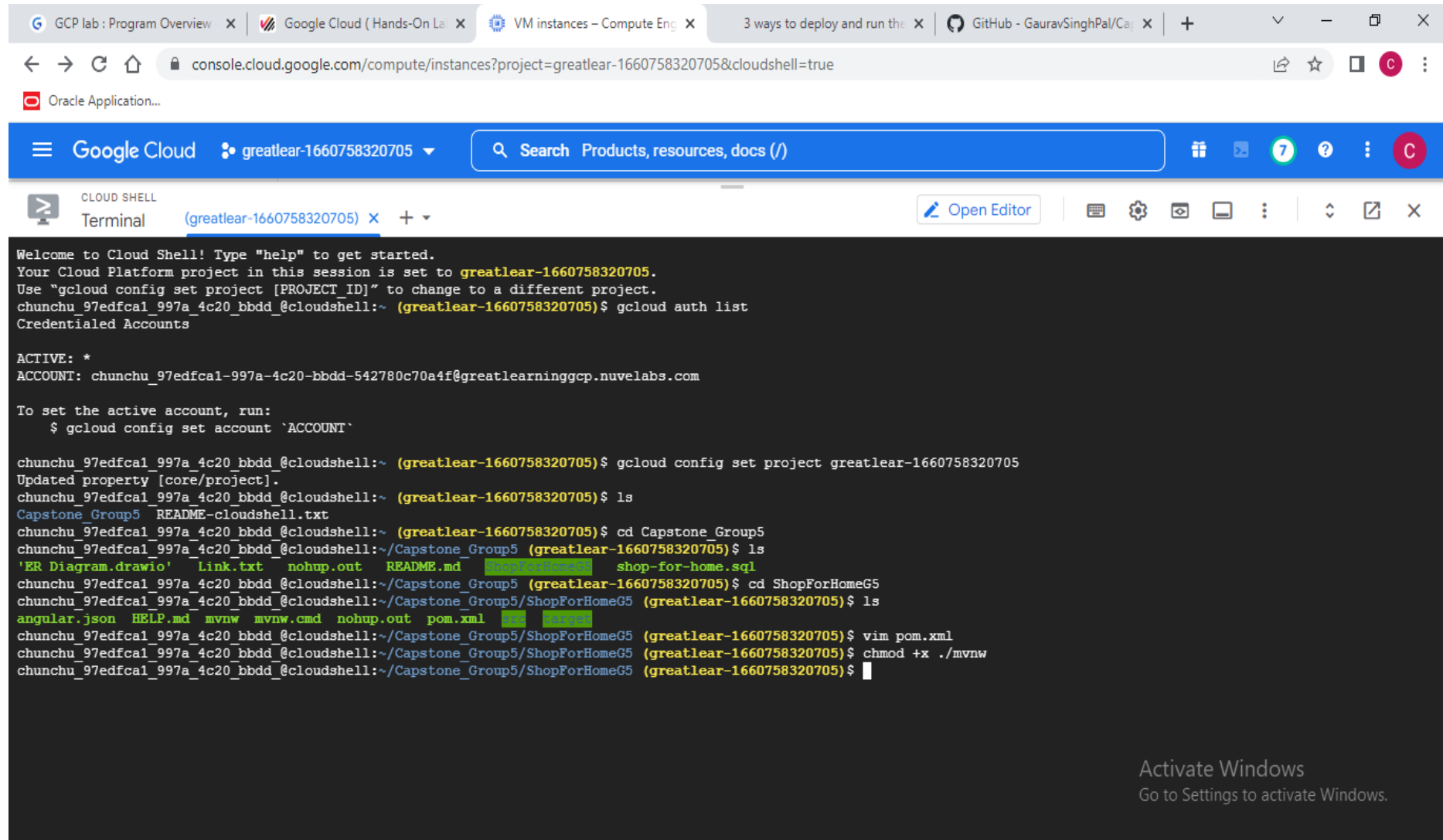
```
</dependency>
<dependency>
  <groupId>org.apache.poi</groupId>
  <artifactId>poi-ooxml</artifactId>
  <version>4.1.2</version>
</dependency>
<dependency>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-test</artifactId>
  <scope>test</scope>
</dependency>
</dependencies>

<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
    </plugin>
    <plugin>
      <groupId>com.google.cloud.tools</groupId>
      <artifactId>appengine-maven-plugin</artifactId>
    </plugin>
  </plugins>
</build>

</project>
~
~
~
~
~
-- INSERT --
```

At the bottom right of the terminal window, there is a watermark that reads 'Activate Windows Go to Settings to activate Windows. 73,52-80 Bot'.

Step 5: Grant the permission to ./mvnw (maven wrapper) to run on the VM



```
GCP lab : Program Overview x Google Cloud ( Hands-On Lab ) x VM instances - Compute Engine x 3 ways to deploy and run the x GitHub - GauravSinghPal/Ca x +
console.cloud.google.com/compute/instances?project=greatlear-1660758320705&cloudshell=true
Oracle Application...

Google Cloud greatlear-1660758320705 Search Products, resources, docs (/)

CLOUD SHELL
Terminal (greatlear-1660758320705) + Open Editor

Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to greatlear-1660758320705.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ gcloud auth list
Credentialed Accounts

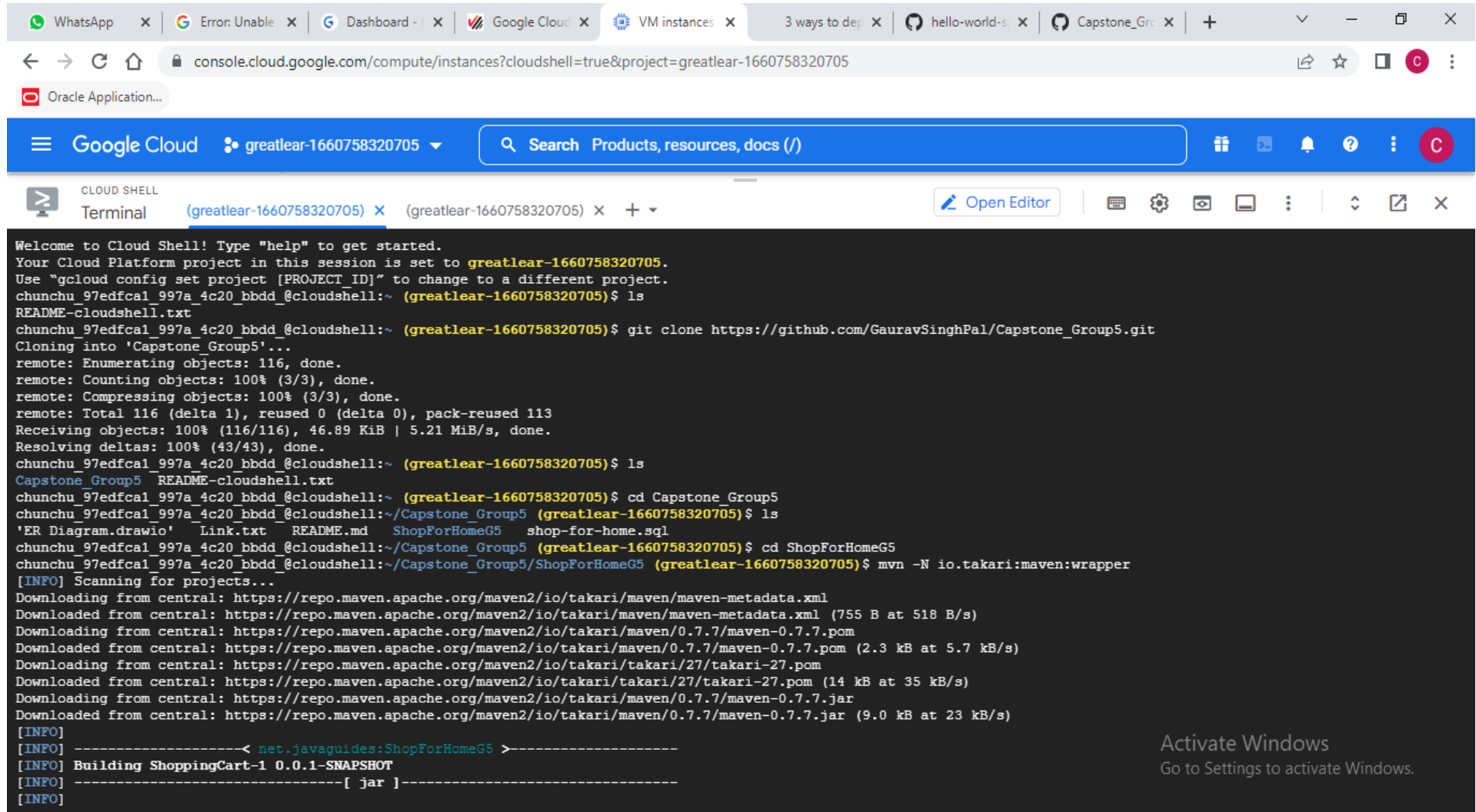
ACTIVE: *
ACCOUNT: chunchu_97edfca1-997a-4c20-bbdd-542780c70a4f@greatlearninggcp.nuvelabs.com

To set the active account, run:
$ gcloud config set account 'ACCOUNT'

chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ gcloud config set project greatlear-1660758320705
Updated property [core/project].
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ ls
Capstone_Group5 README~cloudshell.txt
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ cd Capstone_Group5
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5 (greatlear-1660758320705)$ ls
'ER Diagram.drawio' Link.txt nohup.out README.md shop-for-home.sql
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5 (greatlear-1660758320705)$ cd ShopForHomeG5
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5/ShopForHomeG5 (greatlear-1660758320705)$ ls
angular.json HELP.md mvnw mvnw.cmd nohup.out pom.xml
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5/ShopForHomeG5 (greatlear-1660758320705)$ vim pom.xml
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5/ShopForHomeG5 (greatlear-1660758320705)$ chmod +x ./mvnw
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5/ShopForHomeG5 (greatlear-1660758320705)$
```

Activate Windows
Go to Settings to activate Windows.

Step6: Install maven wrapper properties in cloud shell



The screenshot shows a web browser window with the Google Cloud Platform console. The address bar shows the URL: `console.cloud.google.com/compute/instances?cloudshell=true&project=greatlear-1660758320705`. The page title is "Oracle Application...". The Google Cloud header shows the project name "greatlear-1660758320705" and a search bar. The Cloud Shell terminal is open, showing the following commands and output:

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to greatlear-1660758320705.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ ls
README-cloudshell.txt
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ git clone https://github.com/GauravSinghPal/Capstone_Group5.git
Cloning into 'Capstone_Group5'...
remote: Enumerating objects: 116, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 116 (delta 1), reused 0 (delta 0), pack-reused 113
Receiving objects: 100% (116/116), 46.89 KiB | 5.21 MiB/s, done.
Resolving deltas: 100% (43/43), done.
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ ls
Capstone_Group5 README-cloudshell.txt
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~ (greatlear-1660758320705)$ cd Capstone_Group5
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5 (greatlear-1660758320705)$ ls
'ER Diagram.drawio' Link.txt README.md ShopForHomeG5 shop-for-home.sql
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5 (greatlear-1660758320705)$ cd ShopForHomeG5
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5/ShopForHomeG5 (greatlear-1660758320705)$ mvn -N io.takari:maven:wrapper
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/io/takari/maven/maven-metadata.xml
Downloaded from central: https://repo.maven.apache.org/maven2/io/takari/maven/maven-metadata.xml (755 B at 518 B/s)
Downloading from central: https://repo.maven.apache.org/maven2/io/takari/maven/0.7.7/maven-0.7.7.pom
Downloaded from central: https://repo.maven.apache.org/maven2/io/takari/maven/0.7.7/maven-0.7.7.pom (2.3 kB at 5.7 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/io/takari/takari/27/takari-27.pom
Downloaded from central: https://repo.maven.apache.org/maven2/io/takari/takari/27/takari-27.pom (14 kB at 35 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/io/takari/maven/0.7.7/maven-0.7.7.jar
Downloaded from central: https://repo.maven.apache.org/maven2/io/takari/maven/0.7.7/maven-0.7.7.jar (9.0 kB at 23 kB/s)
[INFO]
[INFO] -----< net.javaguides:ShopForHomeG5 >-----
[INFO] Building ShoppingCart-1 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
```

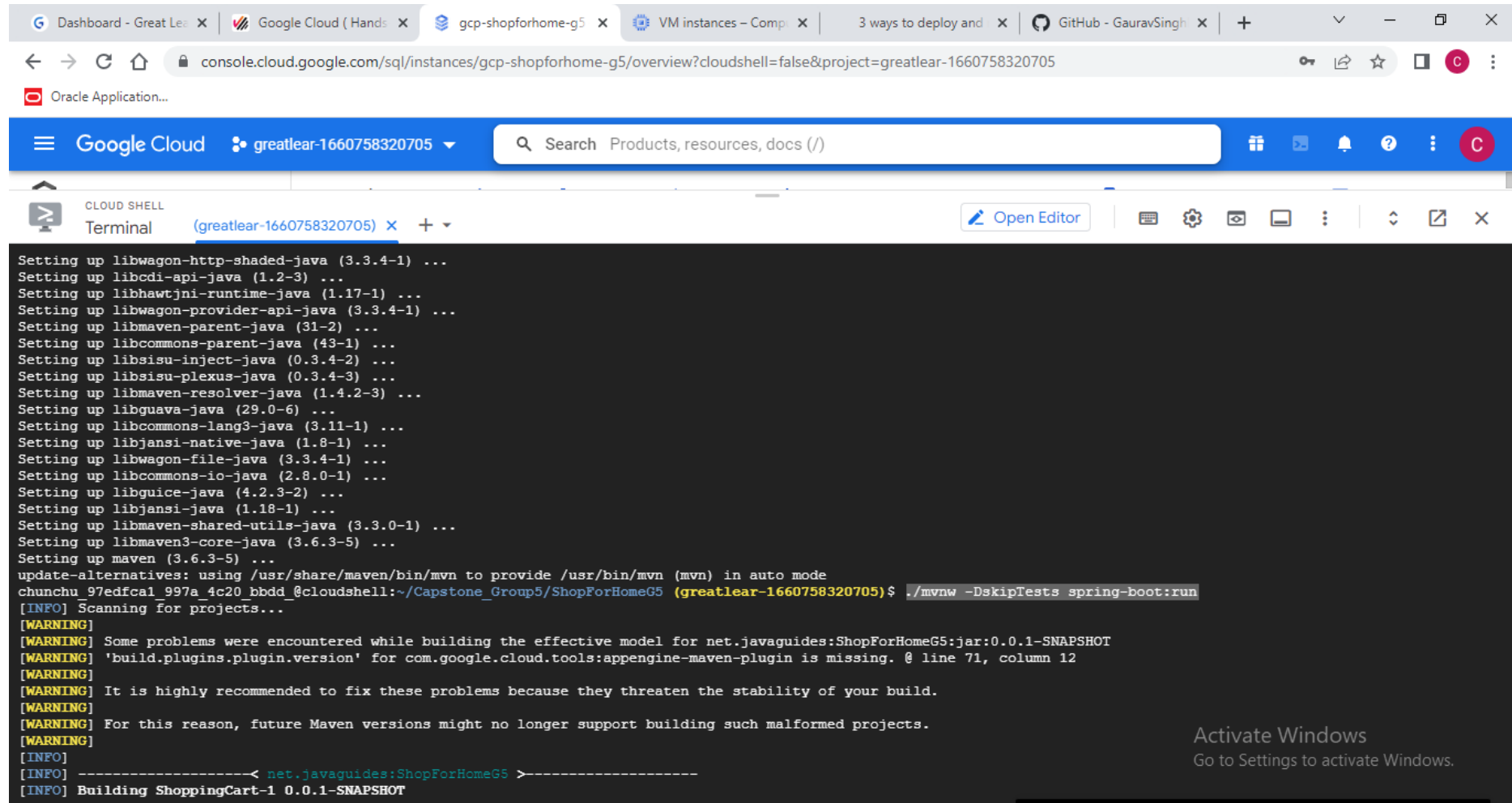
An "Activate Windows" watermark is visible in the bottom right corner of the terminal window.

Step 7: Install maven

```
chunchu_97edfca1_997a_4c20_bbdd_@cloudshell:~/Capstone_Group5/ShopForHomeG5 (greatlear-1660758320705)$ sudo apt install maven
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java libcommons-cli-java libcommons-io-java libcommons-lang3-java libcommons-parent-java
  libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libhawtjni-runtime-java libjansi-java libjansi-native-java
  libjsr305-java libmaven-parent-java libmaven-resolver-java libmaven-shared-utils-java libmaven3-core-java libplexus-cipher-java libplexus-classworlds-java
  libplexus-component-annotations-java libplexus-interpolation-java libplexus-sec-dispatcher-java libplexus-utils2-java libsisu-inject-java libsisu-plexus-java
  libslf4j-java libwagon-file-java libwagon-http-shaded-java libwagon-provider-api-java
Suggested packages:
  libaopalliance-java-doc libatinject-jsr330-api-java-doc libel-api-java libcommons-io-java-doc libcommons-lang3-java-doc libasm-java libcglib-java libjsr305-java-doc
  libmaven-shared-utils-java-doc liblogback-java libplexus-classworlds-java-doc libplexus-sec-dispatcher-java-doc libplexus-utils2-java-doc junit4 testng
  libcommons-logging-java liblog4j1.2-java
The following NEW packages will be installed:
  libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java libcommons-cli-java libcommons-io-java libcommons-lang3-java libcommons-parent-java
  libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libhawtjni-runtime-java libjansi-java libjansi-native-java
  libjsr305-java libmaven-parent-java libmaven-resolver-java libmaven-shared-utils-java libmaven3-core-java libplexus-cipher-java libplexus-classworlds-java
  libplexus-component-annotations-java libplexus-interpolation-java libplexus-sec-dispatcher-java libplexus-utils2-java libsisu-inject-java libsisu-plexus-java
  libslf4j-java libwagon-file-java libwagon-http-shaded-java libwagon-provider-api-java maven
0 upgraded, 33 newly installed, 0 to remove and 7 not upgraded.
Need to get 10.3 MB of archives.
After this operation, 13.3 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 https://deb.debian.org/debian bullseye/main amd64 libaopalliance-java all 20070526-6 [9,048 B]
Get:2 https://deb.debian.org/debian bullseye/main amd64 libapache-pom-java all 18-1 [4,676 B]
Get:3 https://deb.debian.org/debian bullseye/main amd64 libatinject-jsr330-api-java all 1.0+ds1-5 [5,312 B]
Get:4 https://deb.debian.org/debian bullseye/main amd64 libgeronimo-interceptor-3.0-spec-java all 1.0.1-4 [8,484 B]
```

Activate Windows
Go to Settings to activate Windows.

Step8: Run Spring boot file



```
Dashboard - Great Lea x Google Cloud ( Hands x gcp-shopforhome-g5 x VM instances - Comp x 3 ways to deploy and x GitHub - GauravSingh x +  
console.cloud.google.com/sql/instances/gcp-shopforhome-g5/overview?cloudshell=false&project=greatlear-1660758320705  
Oracle Application...  
Google Cloud greatlear-1660758320705 Search Products, resources, docs (/)  
CLOUD SHELL  
Terminal (greatlear-1660758320705) x +  
Open Editor  
Setting up libwagon-http-shaded-java (3.3.4-1) ...  
Setting up libcdi-api-java (1.2-3) ...  
Setting up libhawtjni-runtime-java (1.17-1) ...  
Setting up libwagon-provider-api-java (3.3.4-1) ...  
Setting up libmaven-parent-java (31-2) ...  
Setting up libcommons-parent-java (43-1) ...  
Setting up libsisu-inject-java (0.3.4-2) ...  
Setting up libsisu-plexus-java (0.3.4-3) ...  
Setting up libmaven-resolver-java (1.4.2-3) ...  
Setting up libguava-java (29.0-6) ...  
Setting up libcommons-lang3-java (3.11-1) ...  
Setting up libjansi-native-java (1.8-1) ...  
Setting up libwagon-file-java (3.3.4-1) ...  
Setting up libcommons-io-java (2.8.0-1) ...  
Setting up libguice-java (4.2.3-2) ...  
Setting up libjansi-java (1.18-1) ...  
Setting up libmaven-shared-utils-java (3.3.0-1) ...  
Setting up libmaven3-core-java (3.6.3-5) ...  
Setting up maven (3.6.3-5) ...  
update-alternatives: using /usr/share/maven/bin/mvn to provide /usr/bin/mvn (mvn) in auto mode  
chunchu_97edfca1_997a_4c20_bbdd@cloudshell:~/Capstone_Group5/ShopForHomeG5 (greatlear-1660758320705)$ ./mvnw -DskipTests spring-boot:run  
[INFO] Scanning for projects...  
[WARNING]  
[WARNING] Some problems were encountered while building the effective model for net.javaguides:ShopForHomeG5:jar:0.0.1-SNAPSHOT  
[WARNING] 'build.plugins.plugin.version' for com.google.cloud.tools:appengine-maven-plugin is missing. @ line 71, column 12  
[WARNING]  
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.  
[WARNING]  
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.  
[WARNING]  
[INFO]  
[INFO] -----< net.javaguides:ShopForHomeG5 >-----  
[INFO] Building ShoppingCart-1 0.0.1-SNAPSHOT
```

Dashboard - Great Le... Google Cloud (Hands... gcp-shopforhome-g5 VM instances - Comp... 3 ways to deploy and... GitHub - GauravSingh... + -


console.cloud.google.com/sql/instances/gcp-shopforhome-g5/overview?cloudshell=false&project=greatlear-1660758320705

Oracle Application...

Google Cloud greatlear-1660758320705 Search Products, resources, docs (/)

CLOUD SHELL Terminal (greatlear-1660758320705) + Open Editor

```
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources) @ ShopForHomeG5 ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory /home/chunchu_97edfca1_997a_4c20_bbdd_/Capstone_Group5/ShopForHomeG5/src/test/resources
[INFO] --- maven-compiler-plugin:3.10.1:testCompile (default-testCompile) @ ShopForHomeG5 ---
[INFO] Nothing to compile - all classes are up to date
[INFO] <<< spring-boot-maven-plugin:2.7.0:run (default-cli) < test-compile @ ShopForHomeG5 <<<
[INFO] --- spring-boot-maven-plugin:2.7.0:run (default-cli) @ ShopForHomeG5 ---
[INFO] Attaching agents: []
```



```
:: Spring Boot :: (v2.7.0)

2022-08-22 16:51:25.040 INFO 1265 --- [main] c.shopforhome.ShoppingCart1Application : Starting ShoppingCart1Application using Java 11.0.16 on cs-79329310833
9-default with PID 1265 (/home/chunchu_97edfca1_997a_4c20_bbdd_/Capstone_Group5/ShopForHomeG5/target/classes started by chunchu_97edfca1_997a_4c20_bbdd_ in /home/chunchu_
97edfca1_997a_4c20_bbdd_/Capstone_Group5/ShopForHomeG5)
2022-08-22 16:51:25.042 INFO 1265 --- [main] c.shopforhome.ShoppingCart1Application : No active profile set, falling back to 1 default profile: "default"
2022-08-22 16:51:26.824 INFO 1265 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2022-08-22 16:51:26.911 INFO 1265 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 73 ms. Found 7 JPA reposi
ory interfaces.
2022-08-22 16:51:27.950 INFO 1265 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-08-22 16:51:27.963 INFO 1265 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
```

Activate Windows
Go to Settings to activate Windows.