WEEK-6

Creating Microservices for account and loan

```
AccountControllerjava application.properties × AccountApplication.java account/pom.xml

1 server.port=8080
2 spring.application.name=account-service
3 eureka.client.service-url.defaultZone=http://localhost:8761/eureka
4
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
 20 cproject xmlns="http://maven.apache.org/POM/4.0.0"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd
       <modelVersion>4.0.0</modelVersion>
       <parent>
           <groupId>org.springframework.boot
           <artifactId>spring-boot-starter-parent</artifactId>
           <version>3.3.2<!-- ☑ Downgraded for compatibility -->
           <relativePath/>
       </parent>
       <groupId>com.cognizant
       <artifactId>account</artifactId>
       <version>0.0.1-SNAPSHOT</version>
       <name>account</name>
       <description>Demo project for Spring Boot</description>
200
       properties>
22
23
           <spring-cloud.version>2023.0.1</spring-cloud.version>
       </properties>
25
260
       <dependencyManagement>
270
280
               <dependency>
                  <groupId>org.springframework.cloud
                  <artifactId>spring-cloud-dependencies</artifactId>
                  <version>${spring-cloud.version}</version>
                  <type>pom</type>
                  <scope>import</scope>
```

```
application.properties
                                  34
               </dependency>
       </dependencyManagement>
38e
       <dependencies>
400
               <groupId>org.springframework.boot</groupId>
               <artifactId>spring-boot-starter-web</artifactId>
46●
               <groupId>org.springframework.cloud</groupId>
               <artifactId>spring-cloud-starter-netflix-eureka-client</artifactId>
52●
               <groupId>org.springframework.boot</groupId>
               <artifactId>spring-boot-devtools</artifactId>
54
               <scope>runtime</scope>
               <optional>true</optional>
60e
           <dependency>
               <groupId>org.springframework.boot</groupId>
               <artifactId>spring-boot-starter-test</artifactId>
               <scope>test</scope>
           </dependency>
       </dependencies>
```

```
cy Hierarchy Effective POM pom.xml
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Force
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Regi:
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Gett:
                      at org.springframework.web.client.RestTemplate.execute(RestTemplate.java:798)
at org.springframework.web.client.RestTemplate.exchange(RestTemplate.java:672)
at org.springframework.cloud.netflix.eureka.http.RestTemplateEurekaHttpClient.register(RestTemplateEurekaHttpClient.java
                      at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator$1.execute(<u>EurekaHttpClientDecorator.java:5</u> at com.netflix.discovery.shared.transport.decorator.RedirectingEurekaHttpClient.executeOnNewServer(<u>RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient.executeOnNewServer(RedirectingEurekaHttpClient).</u>
                      at com.netflix.discovery.shared.transport.decorator.RedirectingEurekaHttpClient.execute(<u>RedirectingEurekaHttpClient.java</u> at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator.register(<u>EurekaHttpClientDecorator.java:56</u>
                      at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator$1.execute(<u>EurekaHttpClientDecorator.java:5</u>) at com.netflix.discovery.shared.transport.decorator.RetryableEurekaHttpClient.execute(<u>RetryableEurekaHttpClient.java:12</u>0) at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator.register(<u>EurekaHttpClientDecorator.java:56</u>)
                      at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator$1.execute(<u>EurekaHttpClientDecorator.java:5</u> at com.netflix.discovery.shared.transport.decorator.SessionedEurekaHttpClient.execute(<u>SessionedEurekaHttpClient.java:77</u>)
                       at com.netflix.discovery.shared.transport.decorator.EurekaHttpClientDecorator.register(<u>EurekaHttpClientDecorator.java:56</u>
                      at com.netflix.discovery.DiscoveryClient.register(<u>DiscoveryClient.java:820</u>) at com.netflix.discovery.InstanceInfoReplicator.run(<u>InstanceInfoReplicator.java:121</u>)
                              java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:572)
java.base/java.util.concurrent.FutureTask.run(FutureTask.java:317)
                               java.base/java.util.concurrent.ScheduledThreadPoolExecutor$ScheduledFutureTask.run(<u>ScheduledThreadPoolExecutor.java:3</u>0
                              java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(<u>ThreadPoolExecutor.java:1144</u>) java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(<u>ThreadPoolExecutor.java:642</u>)
                              java.base/java.lang.Thread.run(<u>Thread.java:1570)</u>
org.apache.hc.client5.http.HttpHostConnectException: Connect to http://localhost:8761 [localhost/127.0.0.1, localhost,
                      at
Caused by:
                       at
                              java.base/sun.nio.ch.Net.pollConnect(Native Method)
                              java.base/sun.nio.ch.Net.pollConnectNow(Net.java:682)
java.base/sun.nio.ch.NioSocketTmnl timedFinishConnect(NioSocketTmnl java:542)
```

OUTPUT



