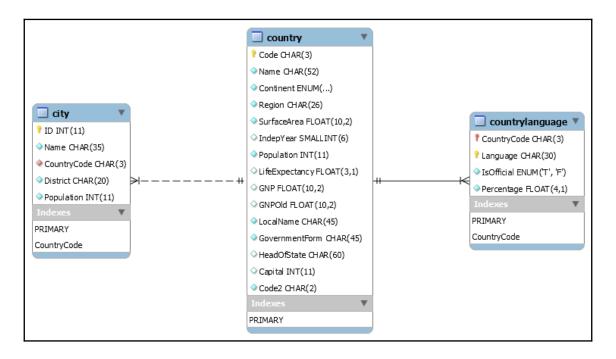
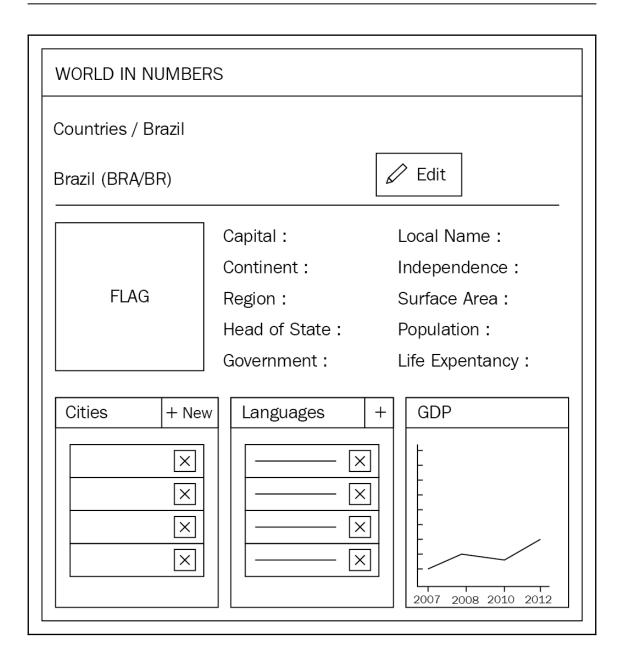
Chapter 1: Creating an Application to List World Countries with their GDP



IMBERS				
		-		
Search	Search by Name			
ntinent Region				
∇		All	∇	
Name	Continent	Region	Area	
	Search	Search by Name	Search by Name Search Region All	



WORLD IN NUMBERS	
Edit Brazil	
Name	Local Name Capital
Continent $ abla$	Region $ abla$
Head of State ▽	Government $ abla$
Independence	Surface Area
Population	Life Expectancy
	X Cancel + Save

New City	X	New Language X
Name	7	Language
District]	☐ Is Official Percentage
Population]	
X Close + Sa	ve	X Close + Save

```
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/4/maven-parent/administry from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/4/maven-parent/administry from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archet Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archet kB at 11 kB/s)

[INFO] Using property: groupId = com.nilangpatel.worldgdp

[INFO] Using property: artifactId = worldgdp

[INFO] Using property: version = 0.0.1-SNAPSHOT

[INFO] Using property: package = com.nilangpatel.worldgdp

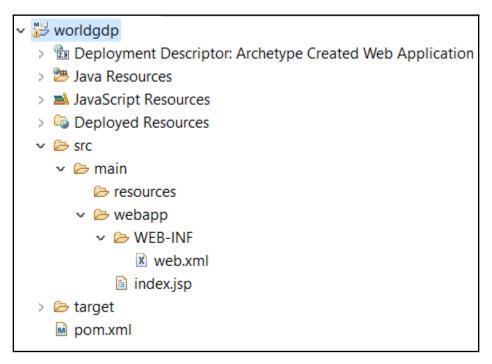
Confirm properties configuration: groupId: com.nilangpatel.worldgdp

artifactId: worldgdp

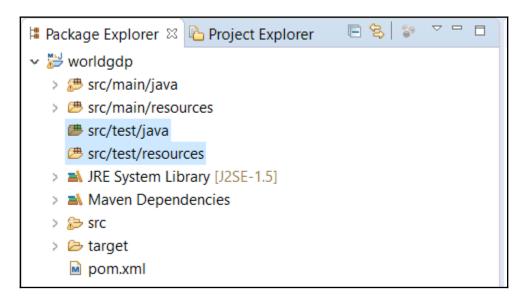
version: 0.0.1-SNAPSHOT

package: com.nilangpatel.worldgdp

Y: :
```

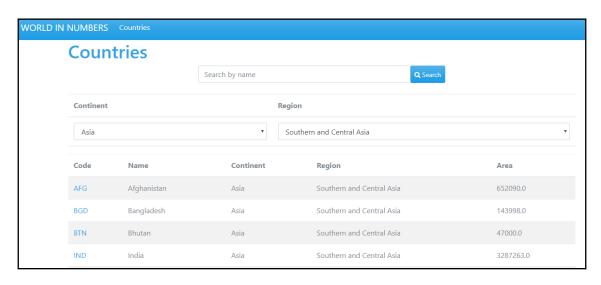


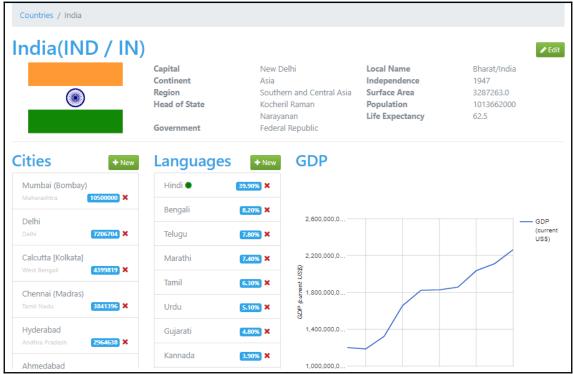


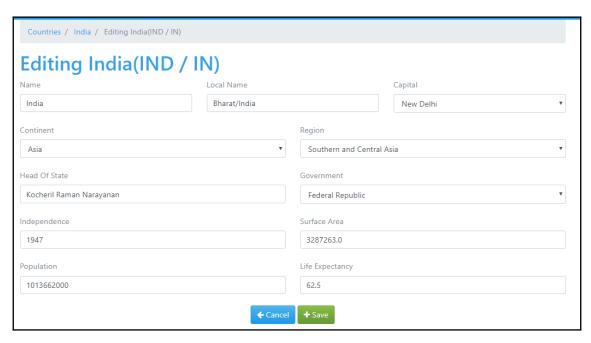


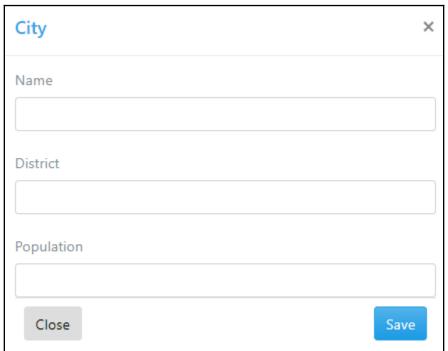


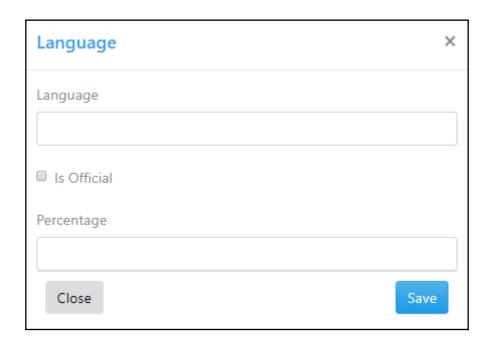
```
"count": 239,
▼ "list": [
   ▶ { ... }, // 14 items
   ▶ { ... }, // 14 items
          "code": "AGO",
          "name": "Angola",
          "continent": "Africa",
          "region": "Central Africa",
          "surfaceArea": 1246700,
          "indepYear": 1975,
          "population": 12878000,
          "lifeExpectancy": 38.29999923706055,
          "gnp": 6648,
          "localName": "Angola",
          "governmentForm": "Republic",
          "headOfState": "JosÃ@ Eduardo dos Santos",
       ▼ "capital": {
              "id": 56,
              "name": "Luanda",
             "countryCode": null,
              "country": null,
             "district": null,
              "population": null
          "code2": "A0"
      },
   ₩ {
          "code": "AIA",
          "name": "Anguilla",
          "continent": "North America",
```





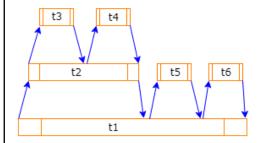






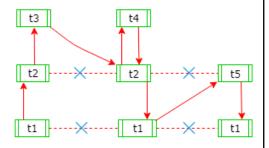
Chapter 2: Building a Reactive Web Application

Imperative Programming



Blocking the threads

Reactive Programming



Unblocking the threads

E	F	G	Н			
5		=SUM(E2+F	**			
Formula is Assigned						
Е	F	G	Н			
5	3	8				
			E+F:	= G		
E	F	G	Н			
6	8	14				
Changes of E and F are Propagated to G						

```
org.reactivestreams

▲ J<sup>0</sup> Processor.class
         Processor<T, R>

■ J<sup>0</sup> Publisher.class

▲ ① Publisher<T>

             subscribe(Subscriber<? super T>): void

■ J<sup>0</sup> Subscriber.class

▲ ① Subscriber<T>

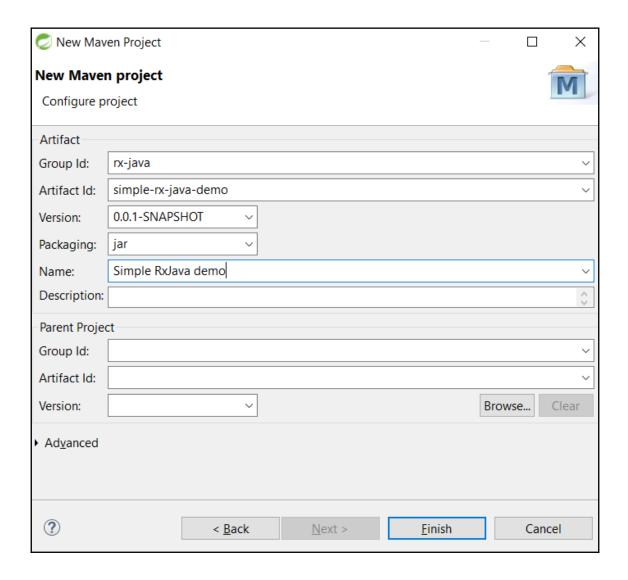
             onComplete(): void
             onError(Throwable) : void
             onNext(T): void
             onSubscribe(Subscription): void

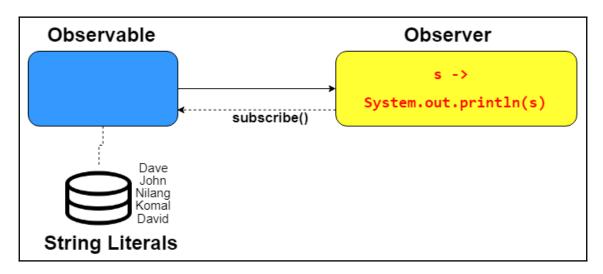
■ J<sup>0</sup> Subscription.class

■ Subscription

             cancel(): void
             request(long) : void

▶ ► META-INF
```





Dave ****** ****** David

Subscription initiated ...

The value January is received from Observable
The value February is received from Observable
The value May is received from Observable
The value July is received from Observable
Receive all the Data!

Observer 1 Received:Two
Observer 1 Received:Four
Observer 2 Received:One
Observer 2 Received:Two
Observer 2 Received:Three
Observer 2 Received:Four
Observer 2 Received:Five

Observable #1 : 0
Observable #1 : 1
Observable #1 : 2
Observable #2 : 2
Observable #1 : 3
Observable #2 : 3
Observable #1 : 4
Observable #2 : 4
Observable #1 : 5
Observable #2 : 5
Observable #1 : 6
Observable #2 : 6

Observable #1 : 0
Observable #1 : 1
Observable #1 : 2
Observable #1 : 3
Observable #2 : 3
Observable #1 : 4
Observable #2 : 4
Observable #1 : 5
Observable #2 : 5
Observable #1 : 6
Observable #1 : 6
Observable #1 : 7
Observable #2 : 7

```
Console ⋈ Progress Problems

<terminated > ReactorCustomSubscriber [Java Application] C:\Program Files\Java\jre1.8.0_181\bin

Fetching the values ...!!

Fetchig next value in hookOnNext()-->John

Fetchig next value in hookOnNext()-->Komal

Fetchig next value in hookOnNext()-->Harmi

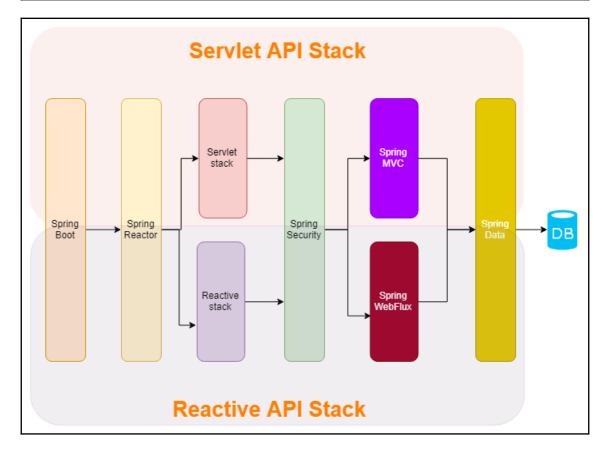
Fetchig next value in hookOnNext()-->Bhakti

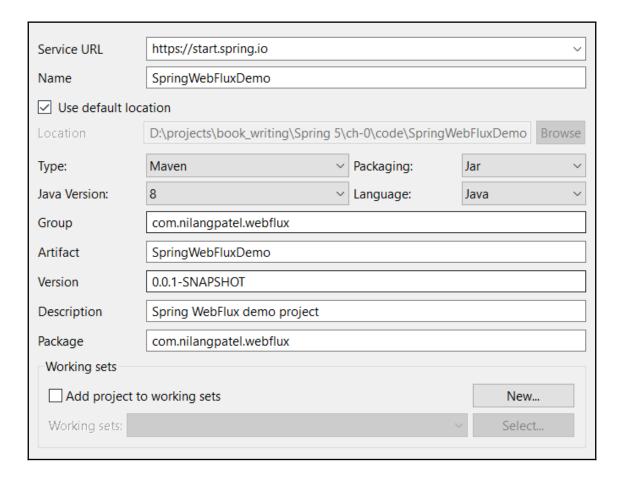
Fetchig next value in hookOnNext()-->Tom

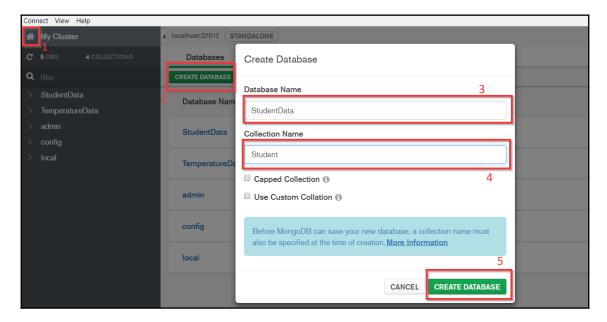
Fetchig next value in hookOnNext()-->Peter

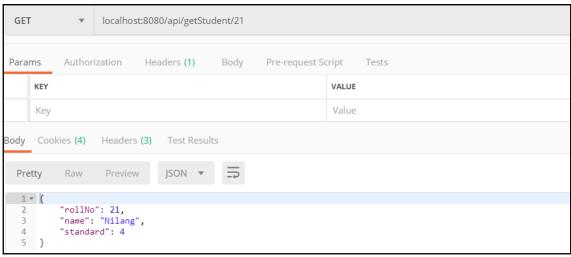
Congratulation, Everything is completed successfully ..!!

Shutting down the operation, Bye ..!! ON_COMPLETE
```





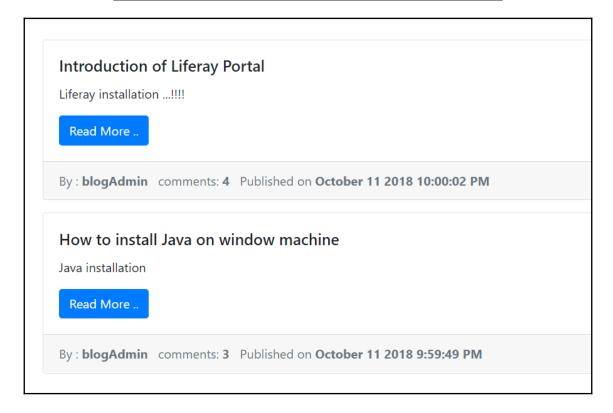


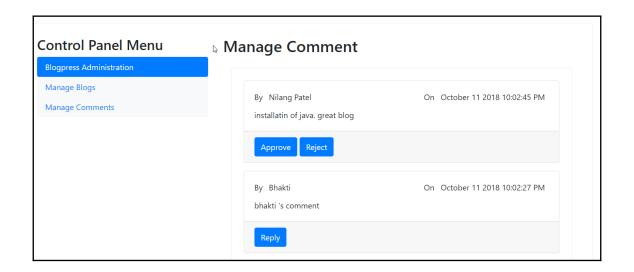


```
Body Cookies (4) Headers (3) Test Results
  Pretty Raw Preview
                            JSON
    1 *
    2 🔻
              "rollNo": 21,
    3
              "name": "Nilang",
    4
    5
              "standard": 4
    6
           },
    7 -
              "rollNo": 11,
    8
             "name": "Komal",
   9
              "standard": 6
   10
   11
   12 🕶
              "rollNo": 12,
   13
              "name": "Bhakti",
   14
              "standard": 5
   15
   16
           },
   17 -
              "rollNo": 18,
   18
              "name": "Harmi",
   19
              "standard": 3
   20
   21
   22
```

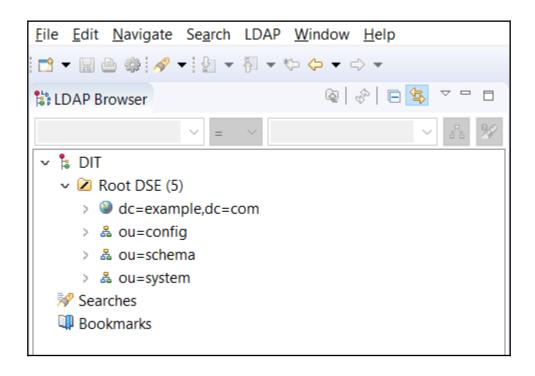
Chapter 3: Blogpress - A Simple Blog Management System

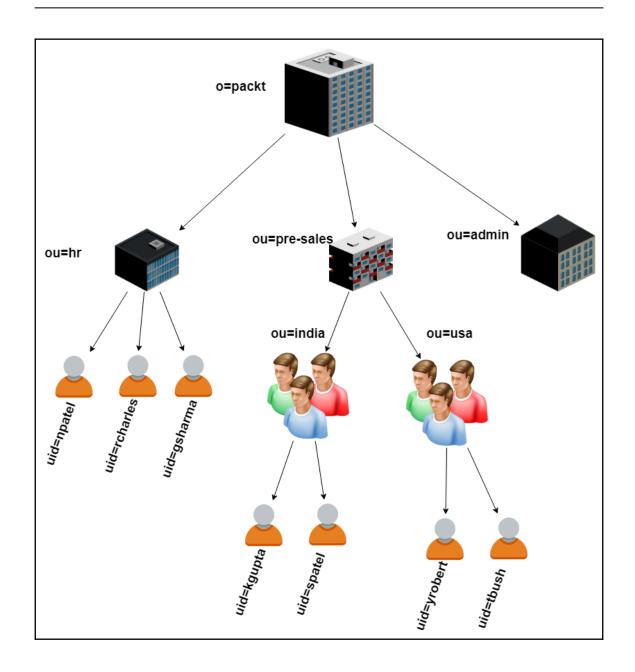
```
2 * {
3     "acknowledged": true,
4     "shards_acknowledged": true,
5     "index": "students"
6 * }
```

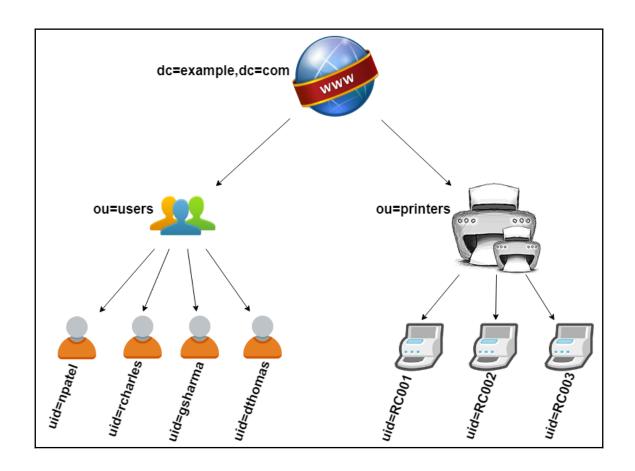


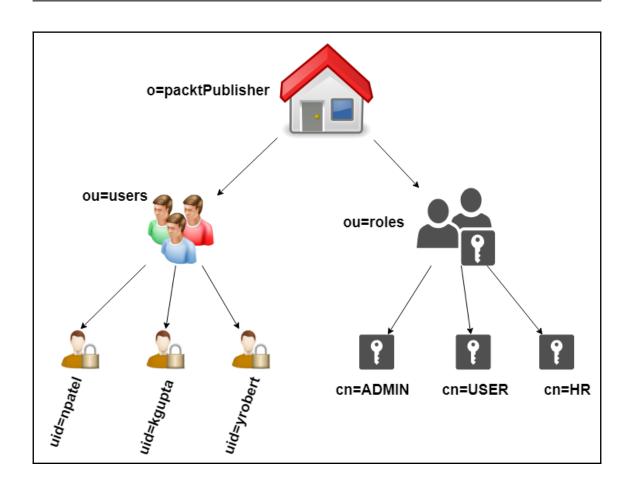


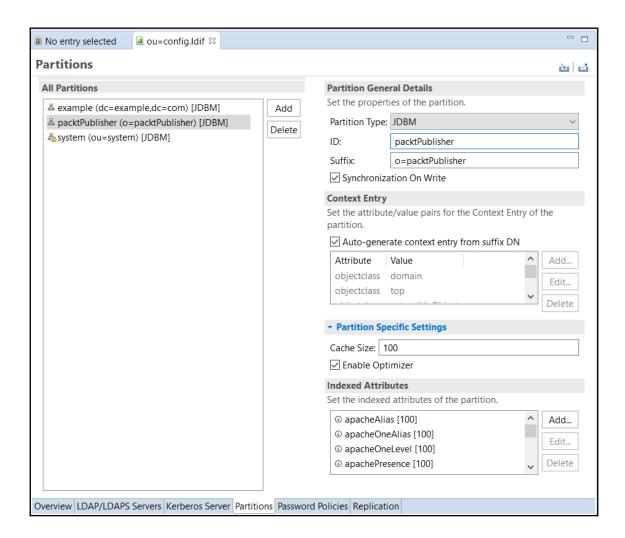
Chapter 4: Building a Central Authentication Server

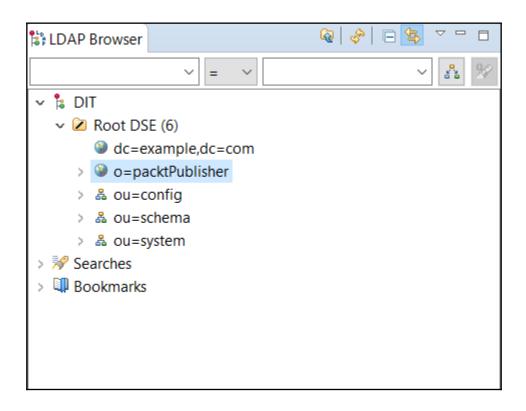


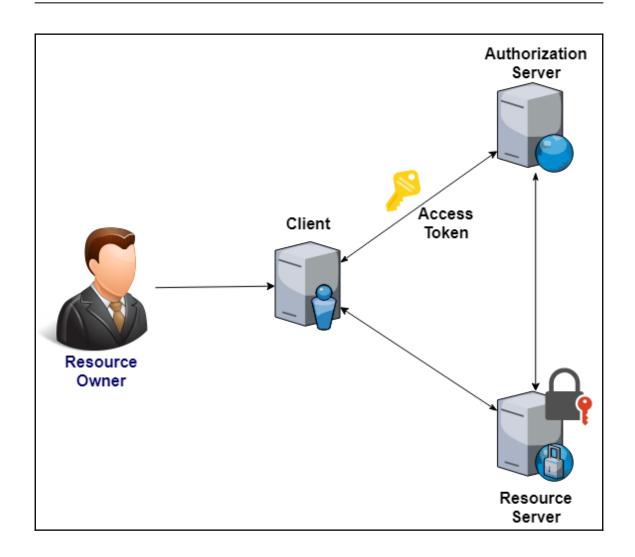


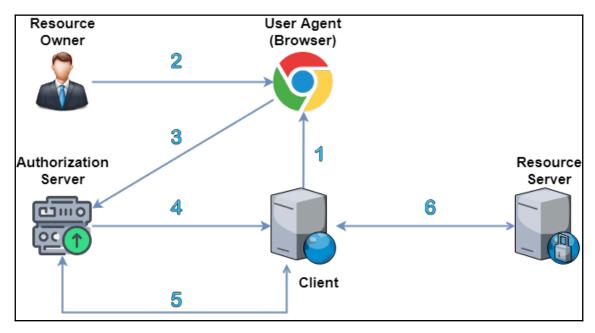


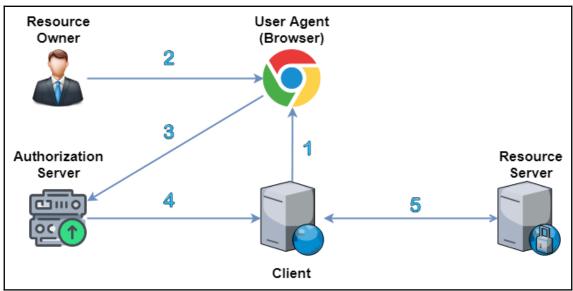


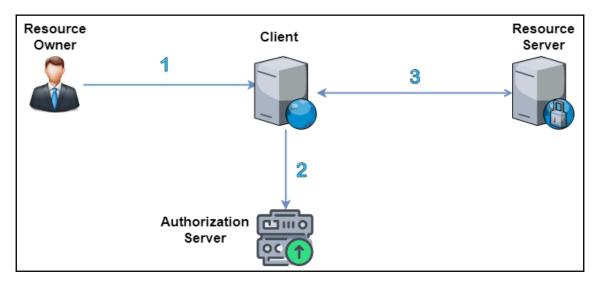


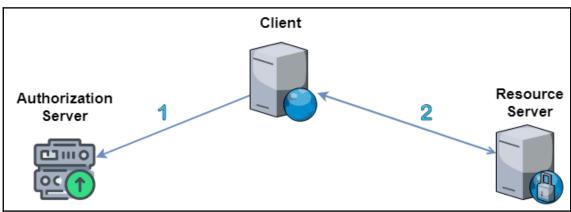












OAuth client The client ID and secret can always be accessed from Credentials in APIs & Services OAuth is limited to 100 sensitive scope logins until the OAuth consent screen is published. This may require a verification process that can take several days.

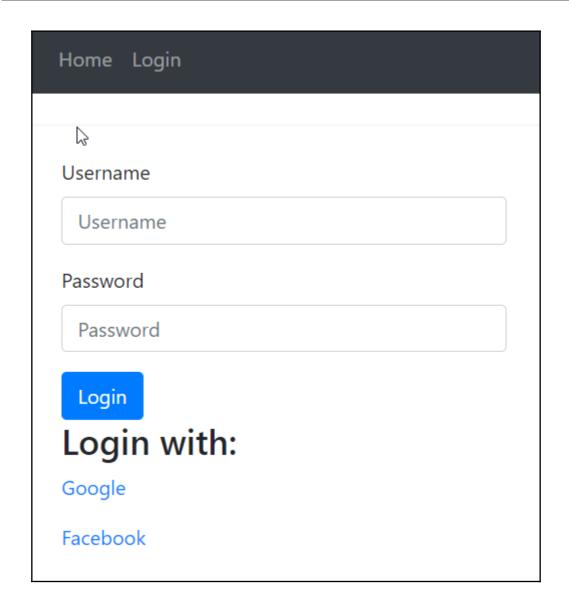
Here is your client ID

1078030655868-value | 107803065868-value | 10780306868-value | 107803068-value | 1

Here is your client secret

IprAIojUi_

OK



OAuth Approval

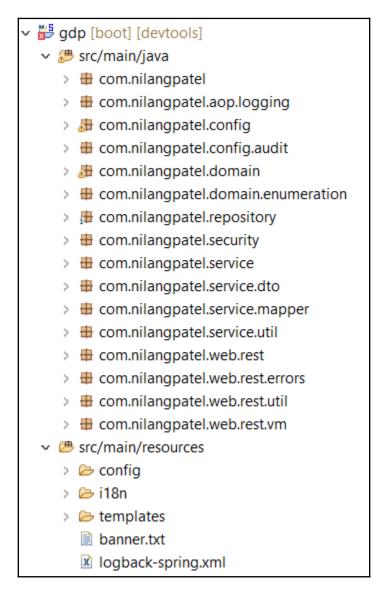
Do you authorize "c1" to access your protected resources?

Authorize

Deny

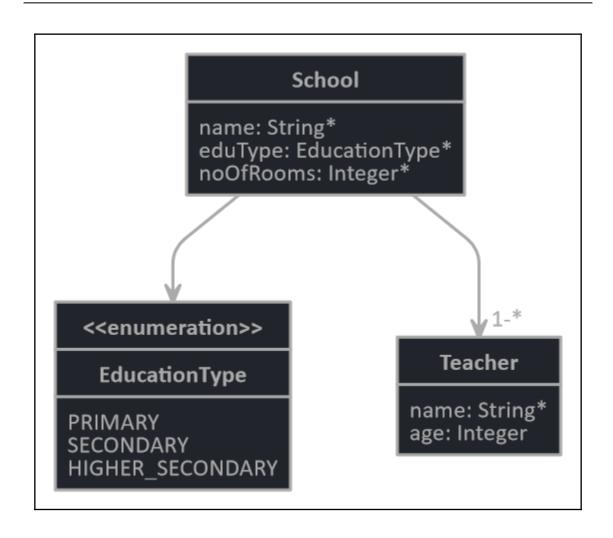
{"id":"john","content":"Hello World"}

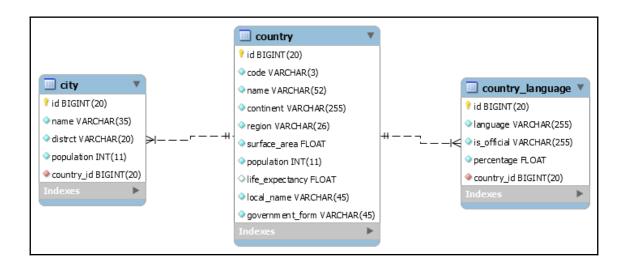
Chapter 5: An Application to View Countries and their GDP using JHipster

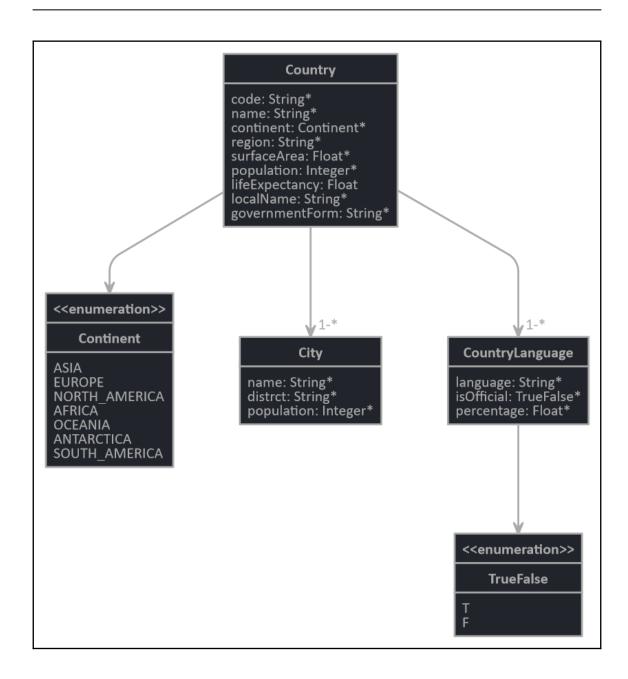








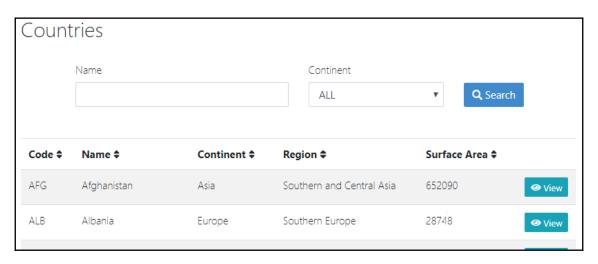


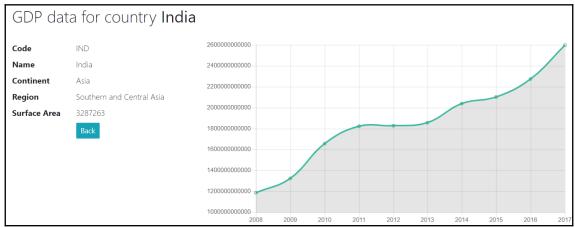


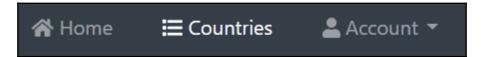
```
🗸 🔚 > src
  🗸 🛵 > main
      > 🗁 docker
      > 🗁 jib

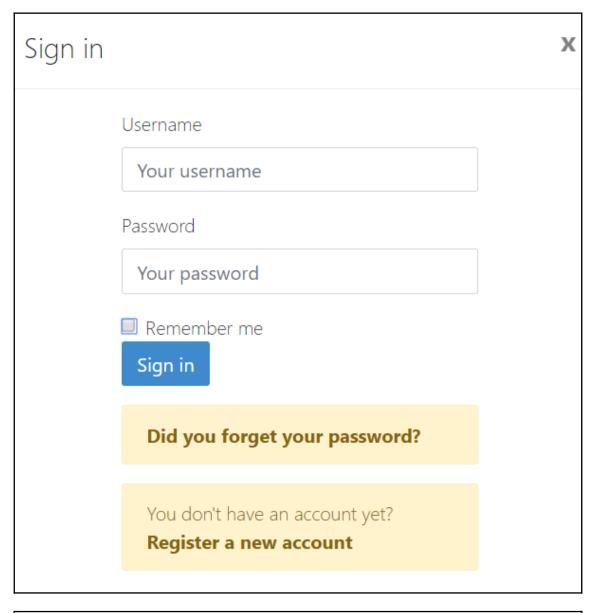
webapp

         > 🗁 > app
         > 🔓 content
        🗸 🗁 > i18n
           🗸 🗁 > en
                 { } activate.json
                 {} audits.json
                 { } city.json
                 { } configuration.json
                 { } > continent.json
                 {} country.json
                 { } countryLanguage.json
                 { } error.json
                 { } > global.json
                 { } health.json
                 {} home.json
                 { } login.json
                 { } logs.json
                 {} metrics.json
                 { } password.json
                 { } register.json
                 { } reset.json
                 { } sessions.json
                 { } settings.json
                 { } trueFalse.json
                 { } user-management.json
         > 🔓 swagger-ui
```



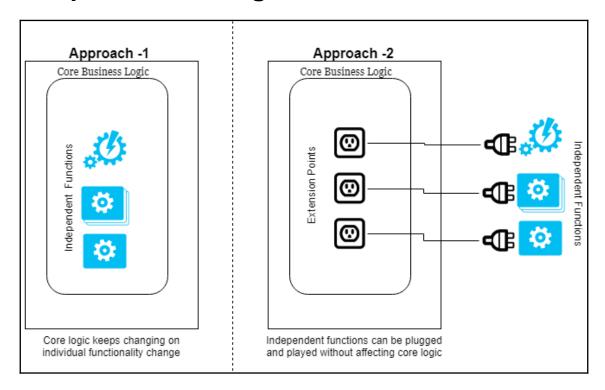


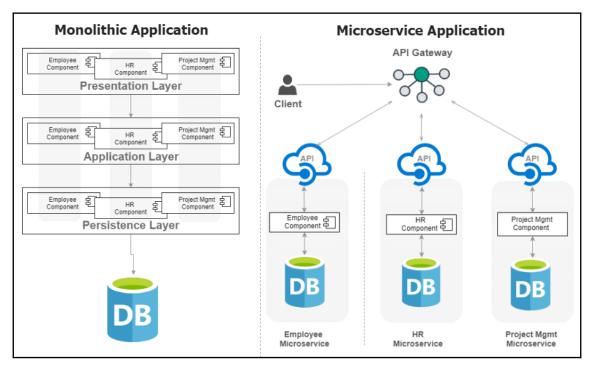


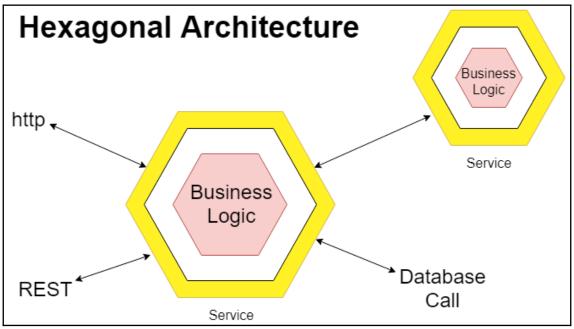


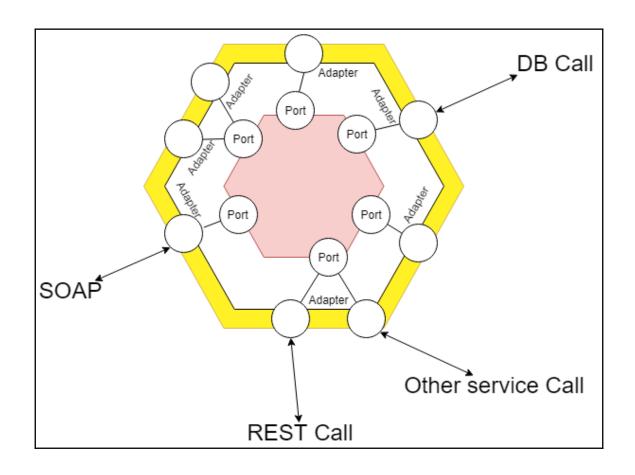


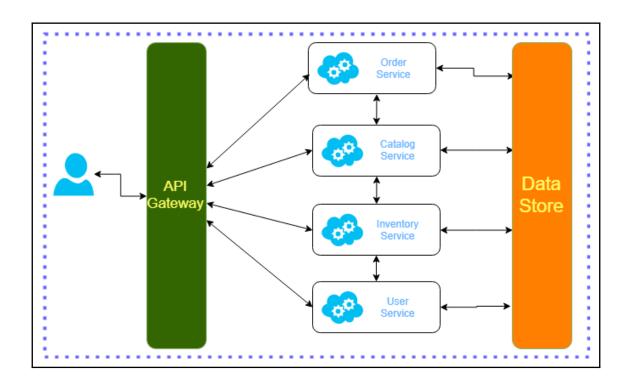
Chapter 6: Creating an Online Bookstore

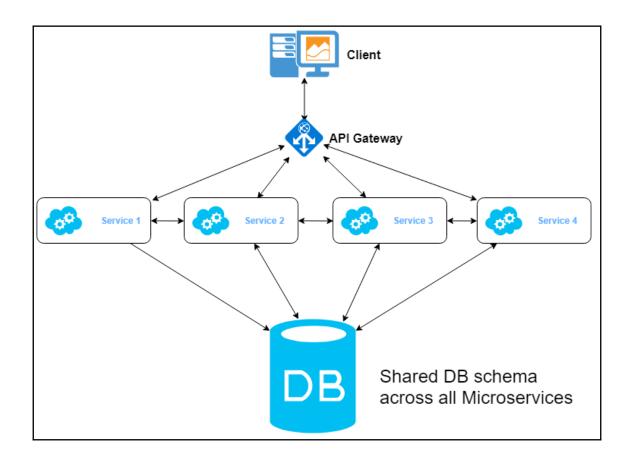


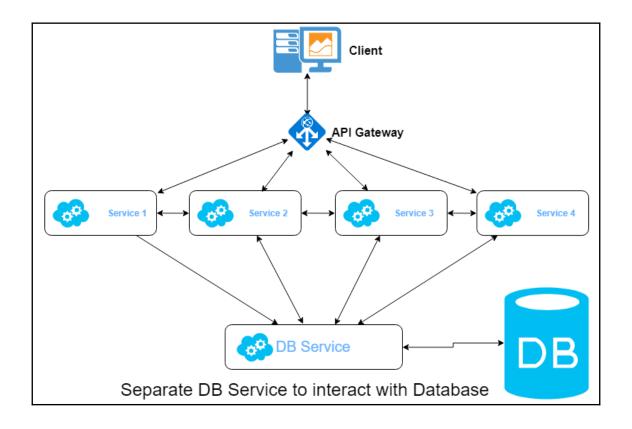


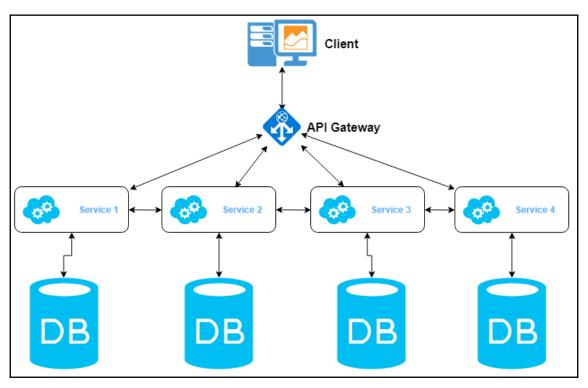


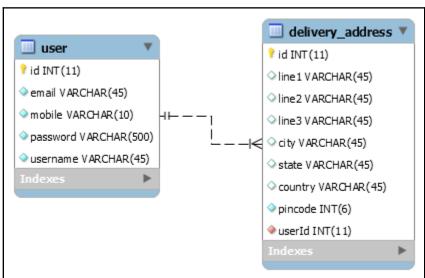


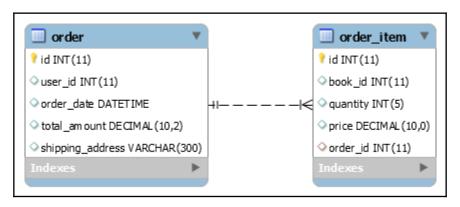


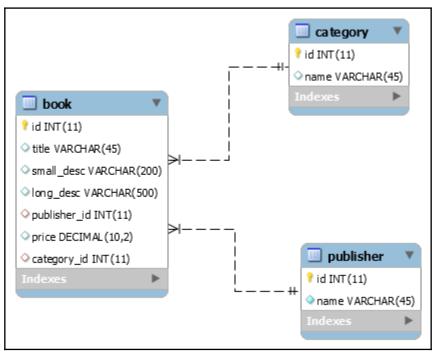


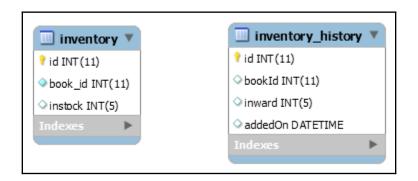


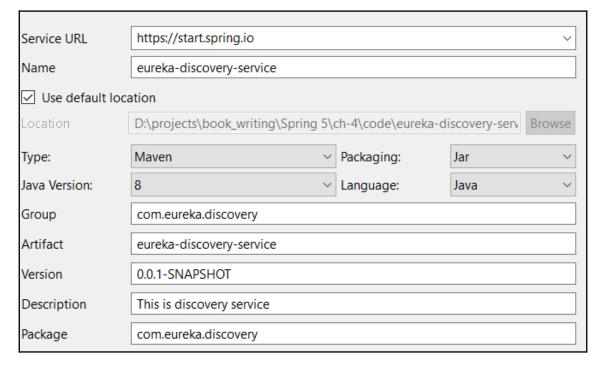






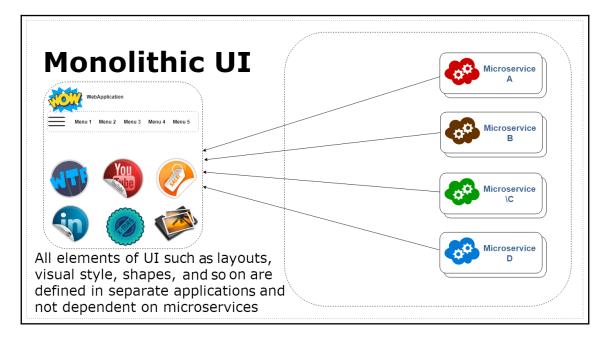


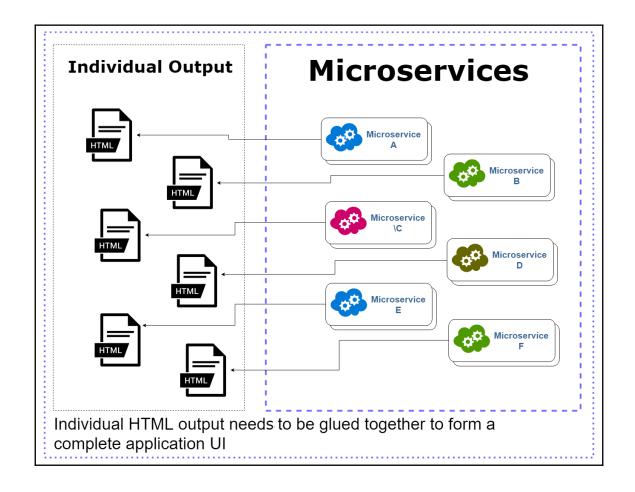


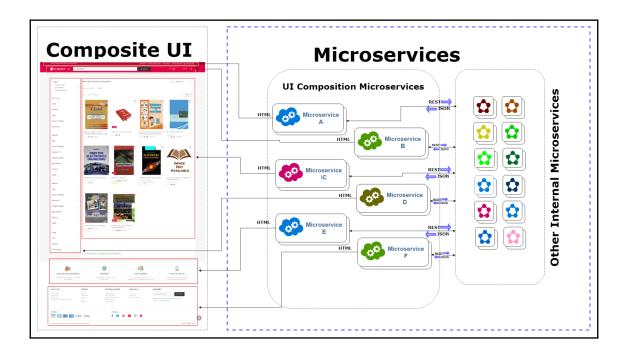


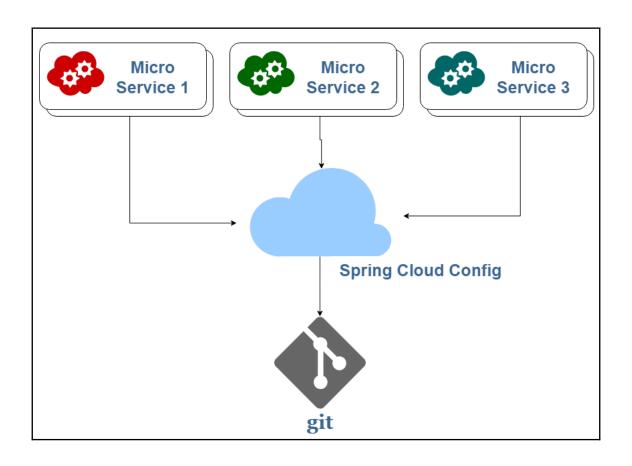
spring Eur	eka			НОМЕ	LAST 1000 SINCE STARTUP
System Status					
Environment	test		Current time	2019-	01-07T19:23:19 +0530
Data center	default		Uptime	00:01	
			Lease expiration enabled	false	
			Renews threshold	1	
			Renews (last min)	0	
DS Replicas					
localhost					
Instances currently reg	gistered with Eure	ka			
Application	AMIs	Availability 2	Zon <u>ë</u> s		Status
No instances available					
General Info					
Name		Value			
total-avail-memory		313mb			
environment		test			
num-of-cpus		12			
current-memory-usage		61mb (19	9%)		
server-uptime		00:01			
registered-replicas		http://loc	alhost:8761/eureka/		
unavailable-replicas		http://loc	alhost:8761/eureka/,		
available-replicas					
Instance Info					
Name		Value			
ipAddr	<u>.</u>	172.22.17.1			

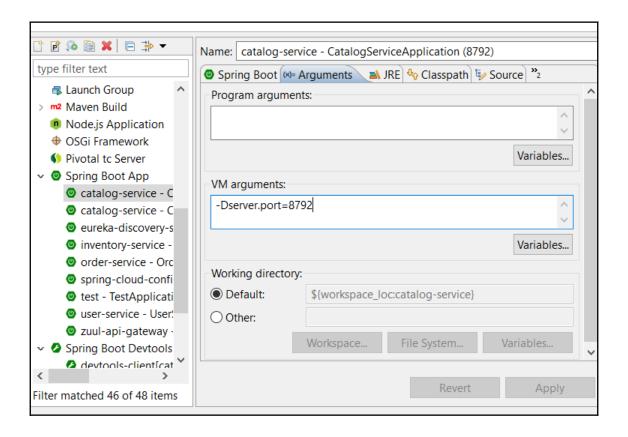
Instances currently registered with Eureka			
Application	AMIs	Availability Zones	Status
CATALOG-SERVICE	n/a (1)	(1)	UP (1) - nil.mshome.net:catalog-service:8792
INVENTORY-SERVICE	n/a (1)	(1)	UP (1) - nil.mshome.net:inventory-service:8793
ORDER-SERVICE	n/a (1)	(1)	UP (1) - nil.mshome.net:order-service:8794
USER-SERVICE	n/a (1)	(1)	UP (1) - nil.mshome.net:user-service:8791

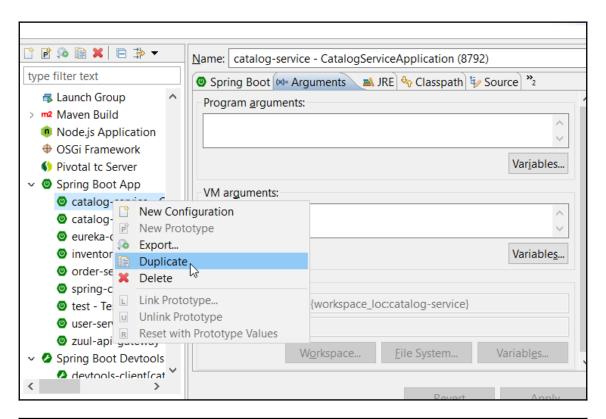




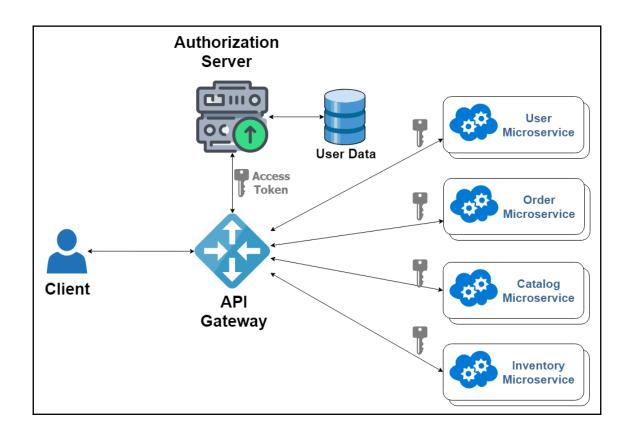




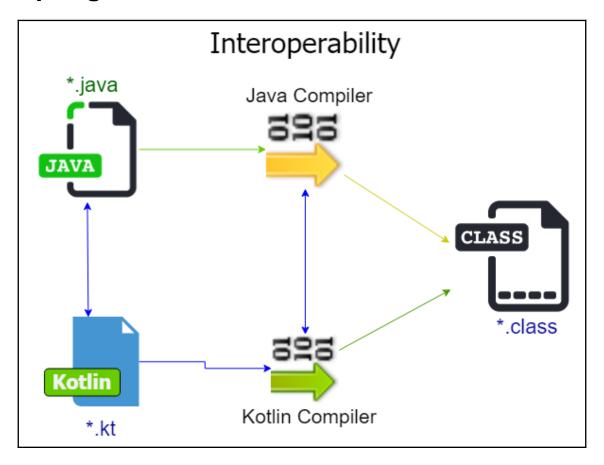




Instances currently registered with Eureka				
Availability Application AMIs Zones Status				
CATALOG- SERVICE	n/a (2)	(2)	UP (2) - nil.mshome.net:catalog-service:8792 , nil.mshome.net:catalog-service:8799	
INVENTORY- SERVICE	n/a (1)	(1)	UP (1) - nil.mshome.net:inventory-service:8793	



Chapter 7: Task Management System Using Spring and Kotlin



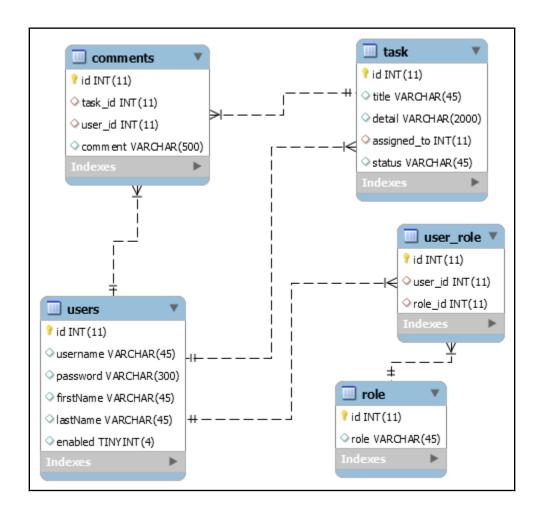
```
HHHHHAAAAAAAAAAA...Jake Lion is Barking ...
Bhao bhao ...Boomer Dog is barking ...
Haaaaooooooo...Lilli Fox is barking ...
```

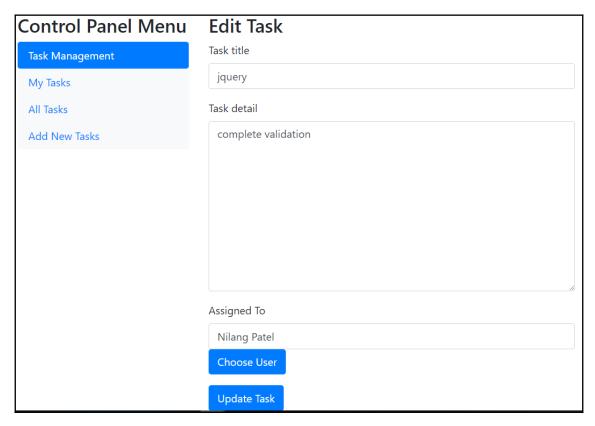
HHHHHAAAAAAAAAAA...Lio Lion is Barking ...

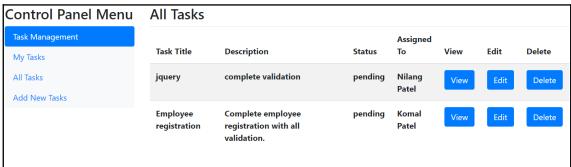
Bhao bhao ...Tommy Dog is barking ...

Haaaaoooooo...Chiku Fox is barking ...

Generate a Maven Project with Kotlin	and Spring Boot 2.1.2				
Project Metadata	Dependencies				
Artifact coordinates	Add Spring Boot Starters and dependencies to your application				
Group	Search for dependencies				
com.nilangpatel.tms	Web, Security, JPA, Actuator, Devtools				
Artifact	Selected Dependencies				
taskmanagementsystem	$egin{array}{ c c c c c c c c c c c c c c c c c c c$				
Generate Proj	ect alt + ਹ				







Control Panel Menu	My Tasks				
Task Management	Task Title	Description	Status	Assigned To	View
My Tasks	jquery	complete validation	pending	Nilang Patel	View