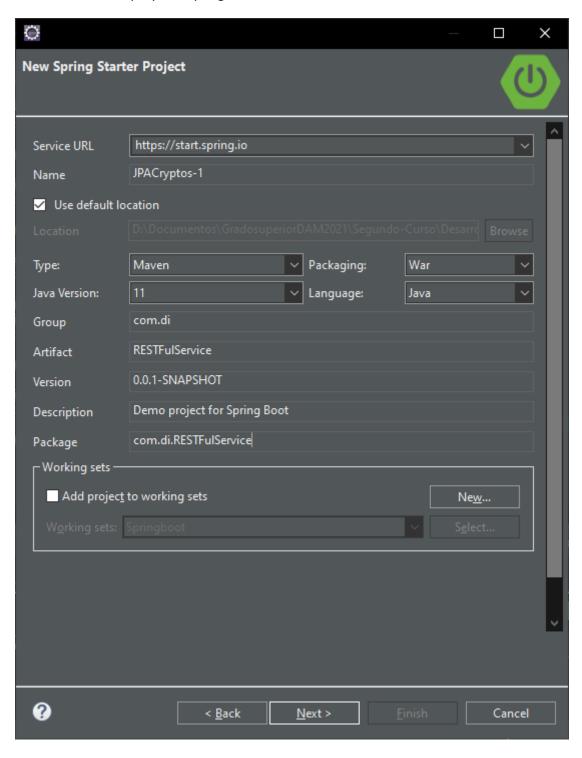
# **B5 A1 RESTFul Service**

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2º H-V

Creamos un nuevo proyecto SpringBoot



### Creamos la clase objeto Greeting

```
package com.di.RESTFulService.entity;
   public class Greeting {
       private String player;
       private String message;
80
       public Greeting(String player, String message) {
            this.player = player;
            this.message = message;
3●
       public String getPlayer() {
           return player;
70
       public void setPlayer(String player) {
            this.player = player;
210
       public String getMessage() {
22
23
           return message;
250
       public void setMessage(String message) {
    this.message = message;
28 }
```

## Creamos la clase objeto Widget

```
package com.di.RESTFulService.entity;
30 import java.util.ArrayList;[
      private List<Greeting> greetings;
      private String name;
      public Widget() {
   this.name = "name";
10
          this.greetings = new ArrayList<>();
50
      public Widget(List<Greeting> greetings) {
           super();
          this.greetings = greetings;
10
      public String getName() {
          return name;
50
      public void setName(String name) {
          this.name = name;
90
      public List<Greeting> getGreetings() {
          return greetings;
      public void setGreetings(List<Greeting> greetings) {
3
          this.greetings = greetings;
```

Creamos un repositorio simulado:

```
package com.di.RESTFulService.dao;
30 import java.util.ArrayList; ...
10 @Component
12
13
         private List<Greeting> greetings = new ArrayList<>();
         public List<Greeting> getAllGreetings(){
150
              greetings.add(new Greeting("player1","Hola"));
greetings.add(new Greeting("player2","cómo"));
greetings.add(new Greeting("player3","estás"));
17
              greetings.add(new Greeting("player4","este"));
              greetings.add(new Greeting("player5","día"));
              greetings.add(new Greeting("player6","invernoso"));
              greetings.add(new Greeting("player7","azul"));
greetings.add(new Greeting("player8","y amarillo."));
              return greetings;
    }
```

Creamos una interfaz del servicio

Una implementación del servicio:

```
package com.di.RESTFulService.service;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import com.di.RESTFulService.dao.IWidgetDao;
import com.di.RESTFulService.entity.Greeting;

Service
public class WidgetServiceImpl implements IWidgetService{

Autowired
private IWidgetDao widgetDao;

Override
public List<Greeting> getAllGreetings(){
return widgetDao.getAllGreetings();
}

return widgetDao.getAllGreetings();
}
```

```
import org.springframework.beans.factory.annotation.Autowired;
 import org.springframework.web.bind.annotation.PathVariable;
 import org.springframework.web.bind.annotation.RequestMapping;
 import org.springframework.web.bind.annotation.RestController;
 import com.di.RESTFulService.entity.Widget;
 import com.di.RESTFulService.service.IWidgetService;
 @RestController
 @RequestMapping("/api")
     @Autowired
     private IWidgetService widgetService;
     @RequestMapping("/")
     public String welcome() {//Welcome page, non-rest
    return "Welcome to RestTemplate Example.";
     @RequestMapping("/saluda")
     public Widget message() {
          Widget widget = new Widget();
          widget.setGreetings(widgetService.getAllGreetings());
          return widget;
     @RequestMapping("/saluda/{name}")
     public Widget message2(@PathVariable String name) {
          Widget widget = new Widget();
          widget.setName(name);
          widget.setGreetings(widgetService.getAllGreetings());
          return widget;
     }
```

#### Resultado: