First, make the dependency injection in the ClientRepository class with the specific annotation @Repository

```
📮 Package Explorer 🖾
                               🖹 😫 🖇 🗀 🔲 🖸 Client.java
                                                                     ClientResource.java
                                                                                                ☑ ClientRepository.java 🖾 🔟 ClientService.java
                                                           package com.restcrudbasics.client.repositories;

✓ 

    client [boot]

   99 import org.springframework.data.jpa.repository.JpaRepository;
4 import org.springframework.stereotype.Repository;
      > 🚺 ClientApplication.java

→ 

⊕ com.restcrudbasics.client.entities

                                                           import com.restcrudbasics.client.entities.Client;
          Client.java
                                                           @Repository //this annotation will register the class ClientRepository as a dependency injection component and will be management by spring public interface ClientRepository extends JpaRepository<Client, Long> { /* Put the entity name and the primary key or Id type, in this case, Long */
      > If ClientRepository.java
      > I ClientResource.java

→ 

⊕ com.restcrudbasics.client.services
```

- Now, the ClientRepository class is a dependency injection componente management by spring
- Now, implemente the service Layer

```
ClientResource.java
Client.java
                                                                           ClientRepository.java
                                                                                                  🚺 *ClientService.java 🛭
                                              package com.restcrudbasics.client.services;
3⊖ import java.util.List;

→ 

⊕ com.restcrudbasics.client

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

→ 

⊕ com.restcrudbasics.client.entities

                                              import org.springframework.stereotype.Service;
      > 🚺 Client.java
                                               import com.restcrudbasics.client.entities.Client;

    tom.restcrudbasics.client.repositories

                                              import com.restcrudbasics.client.repositories.ClientRepository;
      > 📝 ClientRepository.java
    // this annotation will register the class ClientService as a dependency injection component and will be management by spring
      > 🚺 ClientResource.java
                                           12
                                              public class ClientService {
    utowired //This annotation will make this instance auto injected (Remember the @Repository annotation in ClientRepository class)
      > D ClientService.java
                                           15
                                                  private ClientRepository repository;
  > # src/main/resources
  > 🌁 src/test/java
                                                  public List<Client> findAll(){
  > M JRE System Library [JavaSE-11]
                                                      return repository.findAll(): // When we make repository, we have a tons of methods(FindAll, delete, insert, save)
                                          19
20
21 }
  > Maven Dependencies
  > 🗁 src
   target
```

Now, make the depency injection in the ClientResource

```
🖸 ClientResource.java 🖾 🚺 ClientRepository.java
Package Explorer
                                                                                                                    ☑ ClientService.java
dient [boot]
                                                     package com.restcrudbasics.client.resources;
 / 進 src/main/java
                                                  3⊖ import java.util.List;
   > I ClientApplication.java
                                                     import org.springframework.beans.factory.annotation.Autowired;
   import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.RequestMapping;
     > 🚺 Client.java

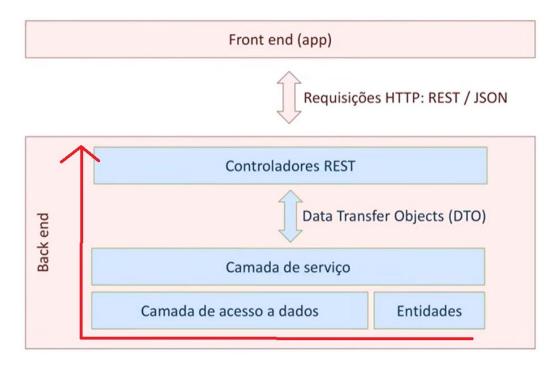
com.restcrudbasics.client.repositories

                                                     import org.springframework.web.bind.annotation.RestController;
     > 🗗 ClientRepository.java

→ ∰ com.restcrudbasics.client.resources

                                                     import com.restcrudbasics.client.entities.Client;
     import com.restcrudbasics.client.services.ClientService:
   14
15
     > 🚺 ClientService.java
                                                     @RequestMapping(value ="/clients") //the REST route when you make the requisition. Use the plural form of the entity
> # src/main/resources
                                                     public class ClientResource {
> # src/test/java
> M JRE System Library [JavaSE-11]
                                                         @Autowired //This annotation will make this instance auto injected (Remember the @Service annotation in ClientService class)
                                                 18⊖
> <table-of-contents> Maven Dependencies
                                                 19
                                                         private ClientService service;
> 🎏 src
  target
                                                         public ResponseEntity<List<Client>> findAll(){ //This is a endpoint to find a client by id
    List<Client> list = service.findAll();
    return ResponseEntity.ok().body(list);
  HELP.md
  mvnw.cmd
                                                26
27
   m pom.xml
                                                    }
dscatalog
```

• With this, we are following the architecture layer above



• Now, is time for the REST requisition test