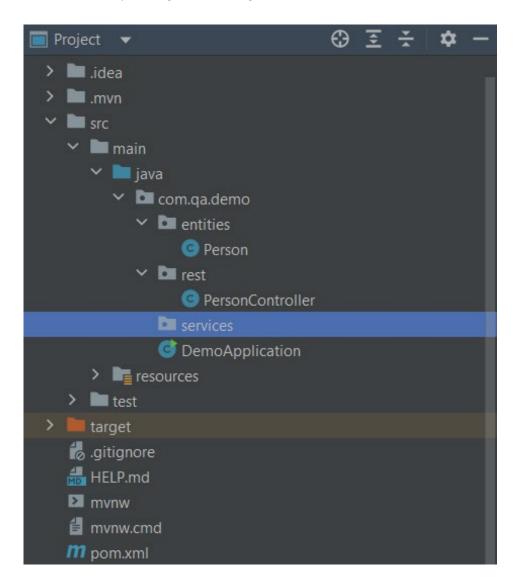


Lab 2 - Setting up the Service

The purpose of this task is to move our business logic from the controller into its own Service class.

Task 1

- 1. Open the project you created in the previous lab.
- 2. Create a new package in com.qa.demo called services.



3. Inside the new package create a class **PersonService**.



```
⊕ 至 ∻
🔳 Project 🔻
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        package com.qa.demo.services;
           > 🖿 .mvn

✓ Image: Since the si
                                  🗸 🖿 main

✓ ■ java

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        public class PersonService {

✓  entities

                                                                                                                                                           Person

✓ D rest

                                                                                                                                                           PersonController

✓ Image: Services

                                                                                                                                                           PersonService
                                                                                                                                  © DemoApplication
                                  > test
```

4. Annotate this class as a @Service.

```
personService.java ×

package com.qa.demo.services;

import org.springframework.stereotype.Service;

no usages

QService
public class PersonService {
}
```

5. Copy the **List** and all of the methods across from the **PersonController** into the **PersonService** without any of the annotations.



6. Now that all the logic exists in the service class, we can remove it from the controller. Start by injecting the **PersonService** into the **PersonController** using constructor injection and removing the **people** list.

```
@RestController
public class PersonController {
    1 usage
    private PersonService service;

    no usages
    public PersonController(PersonService service) {
        this.service = service;
    }
}
```



7. Replace the existing method bodies with calls to the service method of the same name.

8. Use the Swagger docs to check all of your endpoints still work the way you'd expect – if so, then we have successfully separated our business logic from the request handling.