



Assignment -2

Student Name/ID Number:	Chathushi Jayarathna
Academic Year:	2022/23
Unit Assessor:	MS. Aravinder Kaur
Project Title:	Assignment 2 -ADP
Issue Date:	23/11/2022
Submission Date:	02/01/2023
Internal Verifier Name:	
Date:	02/01/2023

Learner declaration

I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.

Student signature: **Chathushi** Date: 02/01/2023

- 1. Create the Store Entity object with below fields.
 - a. String name
 - b. String phone number
 - c. String [] localities // list of areas or localities the store serves

```
1 package com.lithan.a2.entity;
 3 import javax.persistence.Entity;
 4 import javax.persistence.GeneratedValue;
 5 import javax.persistence.GenerationType;
 6 import javax.persistence.Id;
 7 import javax.persistence.Table;
9 @Entity
10 @Table(name = "tb_store")
11 public class Store {
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id_store;
15
    private String name;
16
     private String phone_number;
17
18
     private String localities;
19
20
     public Store() {
21
22
23
24
     public Store(String name, String phone_number, String localities) {
25
       this.name = name;
       this.phone_number = phone_number;
this.localities = localities;
26
27
28
29
30
     public int getId_store() {
31
      return id_store;
32
33
34
     public void setId_store(int id_store) {
35
      this.id_store = id_store;
36
37
38
     public String getName() {
39
      return name;
40
41
42
     public void setName(String name) {
43
      this.name = name;
44
45
46
     public String getPhone_number() {
47
      return phone_number;
48
49
50
     public void setPhone_number(String phone_number) {
51
      this.phone_number = phone_number;
52
53
54
     public String getLocalities() {
55
       return localities;
56
57
58
    public void setLocalities(String localities) {
59
      this.localities = localities;
60
61
62 }
63
```

Figure 1:Screenshot of store.java

2. Develop a Controller class with a method to add Store to the system with POST HTTP method. :cport>/stores">http://chost>:cport>/stores

```
1 package com.lithan.a2.controller;
 3 import org.springframework.beans.factory.annotation.Autowired;
4 import org.springframework.stereotype.Controller;
5 import org.springframework.web.bind.annotation.ModelAttribute;
6 import org.springframework.web.bind.annotation.RequestMapping;
7 import org.springframework.web.bind.annotation.RequestMethod;
8 import org.springframework.web.servlet.ModelAndView;
10 import com.lithan.a2.entity.Store;
11 import com.lithan.a2.service.StoreService;
12
13 @Controller
14 public class StoreController {
15
16
    @Autowired
17
    private StoreService storeService;
18
    @RequestMapping("/")
19
20
    public ModelAndView storeHome() {
21
      ModelAndView mv = new ModelAndView("store");
22
       Store store = new Store();
23
24
      mv.addObject("store", store);
25
      return mv;
26
27
    @RequestMapping(value = "/stores", method = RequestMethod.POST)
28
29
    public String addStore(@ModelAttribute("store") Store store) {
30
31
       if(store != null) {
32
         storeService.addStore(store);
33
34
35
       return "redirect:/";
36
    }
37 }
38
```

Figure 2:Screenshot of StoreController.java

3. Develop a Service class to add Store to the repository

```
package com.lithan.a2.service;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;
import org.springframework.transaction.annotation.Transactional;
import com.lithan.a2.entity.Store;
import com.lithan.a2.repo.StoreRepository;

@Service
@Transactional
public class StoreServiceImpl implements StoreService {

    @Autowired
    private StoreRepository storeRepo;
    public void addStore(Store store) {

        storeRepo.save(store);
    }
}
```

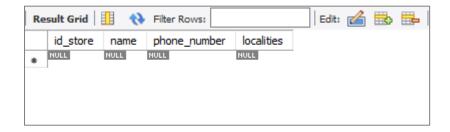
Figure 3:Screenshot of StoreServiceImpl.java

- 4. Develop a DAO class that just adds a given store to the list of stores maintained.
 - a. We didn't go through the database module yet.
 - b. So just maintain a list of stores as a field (i.e., member variable) in DAO class.
 - c. Add a store object to that list.

```
package com.lithan.a2.repo;
import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.stereotype.Repository;
import com.lithan.a2.entity.Store;
@Repository
public interface StoreRepository extends JpaRepository<Store, Integer>{
}
```

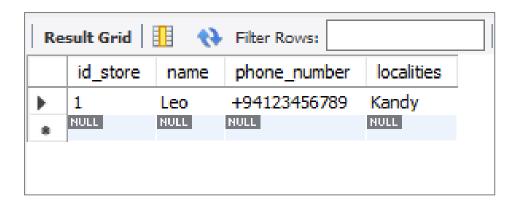
5.----Table-----

Before Submit



After Submit





Source Code

