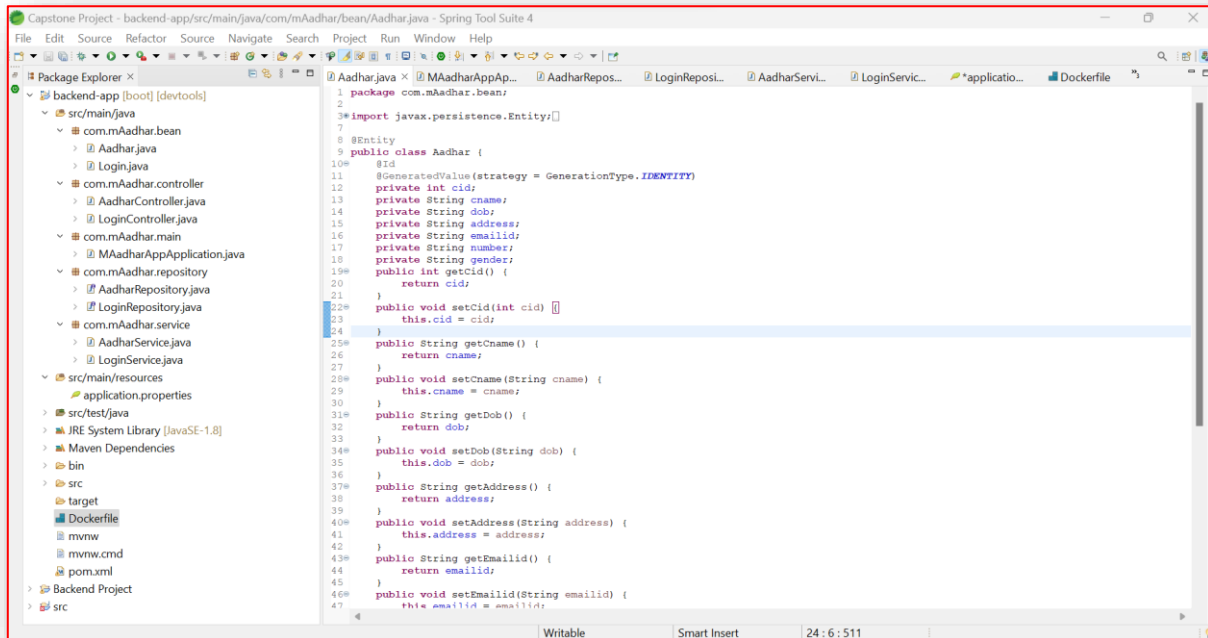


I had pushed the Code to git below is the URL link

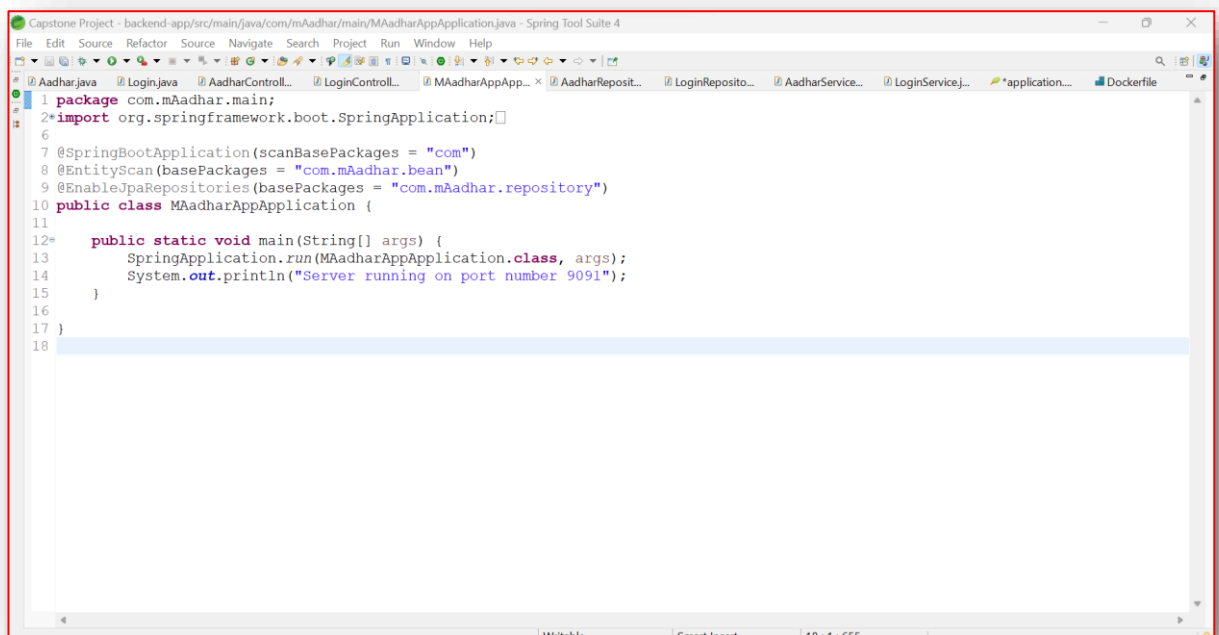
<https://github.com/R-NandaKumar//>

MAadhar Application(Source_Code)



The screenshot shows the Spring Tool Suite 4 IDE with the 'Capstone Project - backend-app/src/main/java/com/mAadhar/bean/Aadhar.java' file open. The Package Explorer on the left shows the project structure, including the 'com.mAadhar.bean' package. The main editor displays the code for the 'Aadhar' entity class, which is annotated with '@Entity' and '@GeneratedValue(strategy = GenerationType.IDENTITY)'. The class has private fields for 'cid', 'cname', 'dob', 'address', 'emailid', 'number', and 'gender', along with corresponding getter and setter methods.

```
1 package com.mAadhar.bean;
2
3 import javax.persistence.Entity;
4
5 @Entity
6 public class Aadhar {
7     @Id
8     @GeneratedValue(strategy = GenerationType.IDENTITY)
9     private int cid;
10    private String cname;
11    private String dob;
12    private String address;
13    private String emailid;
14    private String number;
15    private String gender;
16    public int getCid() {
17        return cid;
18    }
19    public void setCid(int cid) {
20        this.cid = cid;
21    }
22    public String getCname() {
23        return cname;
24    }
25    public void setCname(String cname) {
26        this.cname = cname;
27    }
28    public String getDob() {
29        return dob;
30    }
31    public void setDob(String dob) {
32        this.dob = dob;
33    }
34    public String getAddress() {
35        return address;
36    }
37    public void setAddress(String address) {
38        this.address = address;
39    }
40    public String getEmailid() {
41        return emailid;
42    }
43    public void setEmailid(String emailid) {
44        this.emailid = emailid;
45    }
46    public String getNumber() {
47        return number;
48    }
49    public void setNumber(String number) {
50        this.number = number;
51    }
52    public String getGender() {
53        return gender;
54    }
55    public void setGender(String gender) {
56        this.gender = gender;
57    }
58 }
```



The screenshot shows the Spring Tool Suite 4 IDE with the 'Capstone Project - backend-app/src/main/java/com/mAadhar/main/MAadharAppApplication.java' file open. The Package Explorer on the left shows the project structure, including the 'com.mAadhar.main' package. The main editor displays the code for the 'MAadharAppApplication' class, which is annotated with '@SpringBootApplication' and '@EnableJpaRepositories'. The class has a 'main' method that runs the application and prints the server status.

```
1 package com.mAadhar.main;
2 import org.springframework.boot.SpringApplication;
3
4 @SpringBootApplication(scanBasePackages = "com")
5 @EntityScan(basePackages = "com.mAadhar.bean")
6 @EnableJpaRepositories(basePackages = "com.mAadhar.repository")
7 public class MAadharAppApplication {
8
9     public static void main(String[] args) {
10        SpringApplication.run(MAadharAppApplication.class, args);
11        System.out.println("Server running on port number 9091");
12    }
13 }
14
15
16
17
18
```

```
Capstone Project - backend-app/src/main/java/com/mAadhar/bean/Login.java - Spring Tool Suite 4
File Edit Source Refactor Source Navigate Search Project Run Window Help
Aadhar.java AadharController.java Login.java LoginControll... MAadharAppApp... AadharReposit... LoginReposito... AadharService... LoginServicej... *application... Dockerfile
1 package com.mAadhar.bean;
2
3 import javax.persistence.Column;
4
5
6
7 @Entity
8 public class Login {
9     @Id
10    private String emailid;
11    private String password;
12    @Column(name="typeofuser")
13    private String typeOfUser;
14    public String getEmailid() {
15        return emailid;
16    }
17    public void setEmailid(String emailid) {
18        this.emailid = emailid;
19    }
20    public String getPassword() {
21        return password;
22    }
23    public void setPassword(String password) {
24        this.password = password;
25    }
26    public String getTypeOfUser() {
27        return typeOfUser;
28    }
29    public void setTypeOfUser(String typeOfUser) {
30        this.typeOfUser = typeOfUser;
31    }
32
33 }
```

```
Capstone Project - backend-app/src/main/java/com/mAadhar/controller/AadharController.java - Spring Tool Suite 4
File Edit Source Refactor Source Navigate Search Project Run Window Help
Aadhar.java Login.java AadharController.java AadharControll... LoginControll... MAadharAppApp... AadharReposit... LoginReposito... AadharService... LoginServicej... *application... Dockerfile
1 package com.mAadhar.controller;
2
3
4 import java.util.List;
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21 @RestController
22 @RequestMapping("aadhar")
23 @CrossOrigin
24 public class AadharController {
25     @Autowired
26     AadharService aadharService;
27
28
29     @PostMapping(value = "storeAadhar", consumes = MediaType.APPLICATION_JSON_VALUE)
30     public String storeAadhar(@RequestBody Aadhar aadhar) {
31         return aadharService.storeAadhar(aadhar);
32     }
33     @PatchMapping(value = "updateAadhar", consumes = MediaType.APPLICATION_JSON_VALUE)
34     public String updateAadhar(@RequestBody Aadhar aadhar) {
35         return aadharService.updateAadhar(aadhar);
36     }
37     @GetMapping(value = "findAllAadhar", produces = MediaType.APPLICATION_JSON_VALUE)
38     public List<Aadhar> getAllAadhar() {
39         return aadharService.getAllAadhar();
40     }
41     @GetMapping(value = "findAadhar/{cid}")
42     public String findAadharById(@PathVariable("cid") int cid) {
43         return aadharService.findAadharById(cid);
44     }
45     @DeleteMapping(value = "deleteAadhar/{cid}")
46     public String deleteAadharUsingId(@PathVariable("cid") int cid) {
47         return aadharService.deleteAadhar(cid);
48     }
49 }
50 }
```

```
Capstone Project - backend-app/src/main/java/com/mAadhar/controller/LoginController.java - Spring Tool Suite 4
File Edit Source Refactor Source Navigate Search Project Run Window Help
Aadhar.java Login.java AadharControll... LoginControll... MAadharAppApp... AadharReposi... LoginReposito... AadharService... LoginService.j... application... Dockerfile
1 package com.mAadhar.controller;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
5 @RestController
6 @RequestMapping("login")
7 @CrossOrigin
8 public class LoginController {
9     @Autowired
10     LoginService loginService;
11     @PostMapping(value = "signIn", consumes = MediaType.APPLICATION_JSON_VALUE)
12     public String signIn(@RequestBody Login login) {
13         return loginService.signIn(login);
14     }
15     @PostMapping(value = "signUp", consumes = MediaType.APPLICATION_JSON_VALUE)
16     public String signUp(@RequestBody Login login) {
17         System.out.println(login);
18         return loginService.signUp(login);
19     }
20 }
21
22 Writable Smart Insert 1:1:0
07:52 AM 09-12-2023
```

```
Capstone Project - backend-app/src/main/java/com/mAadhar/repository/AadharRepository.java - Spring Tool Suite 4
File Edit Source Refactor Source Navigate Search Project Run Window Help
Aadhar.java Login.java AadharControll... LoginControll... MAadharAppApp... AadharReposi... LoginReposito... AadharService... LoginService.j... application... Dockerfile
1 package com.mAadhar.repository;
2
3 import org.springframework.data.jpa.repository.JpaRepository;
4
5 public interface AadharRepository extends JpaRepository<Aadhar, Integer>{
6
7 }
8
9
10
```

```
Capstone Project - backend-app/src/main/java/com/mAadhar/repository/LoginRepository.java - Spring Tool Suite 4
File Edit Source Refactor Source Navigate Search Project Run Window Help
Aadhar.java Login.java AadharControll... LoginControll... MAadharAppApp... AadharReposit... LoginReposito... AadharService... LoginService.j... application... Dockerfile
1 package com.mAadhar.repository;
2
3 import org.springframework.data.jpa.repository.JpaRepository;
4
5 @Repository
6
7 public interface LoginRepository extends JpaRepository<Login, String>{
8
9 }
10
11
12
Writable Smart Insert 1:1:0
```

```
Capstone Project - backend-app/src/main/java/com/mAadhar/service/AadharService.java - Spring Tool Suite 4
File Edit Source Refactor Source Navigate Search Project Run Window Help
Aadhar.java Login.java AadharControll... LoginControll... MAadharAppApp... AadharReposit... LoginReposito... AadharService... LoginService.j... application... Dockerfile
1 package com.mAadhar.service;
2
3 import java.util.List;
4
5
6
7
8
9
10
11
12
13
14 @Service
15 public class AadharService {
16     @Autowired
17     AadharRepository aadharRepository;
18
19     public String storeAadhar(Aadhar aadhar) {
20         aadharRepository.save(aadhar);
21         return "Aadhar Details Submitted Successfully";
22     }
23     public List<Aadhar> getAllAadhar() {
24         return aadharRepository.findAll();
25     }
26     public String findAadharById(int cid) {
27         Optional<Aadhar> result = aadharRepository.findById(cid);
28         if(result.isPresent()) {
29             Aadhar a = result.get();
30             return a.toString();
31         }
32         return "Aadhar Details not found";
33     }
34
35     public String deleteAadhar(int cid) {
36         Optional<Aadhar> result = aadharRepository.findById(cid);
37         if(result.isPresent()) {
38             Aadhar a = result.get();
39             aadharRepository.delete(a);
40             return "Aadhar Deleted Successfully";
41         }
42         return "Aadhar details didn't match with record";
43     }
44
45     public String updateAadhar(Aadhar aadhar) {
46         Optional<Aadhar> result = aadharRepository.findById(aadhar.getCid());
47         if(result.isPresent()) {
48             Aadhar a = result.get();
49             a.setCname(aadhar.getCname());
50             a.setAddress(aadhar.getAddress());
51             a.setDob(aadhar.getDob());
52         }
53     }
54 }
55
```

```
Capstone Project - backend-app/src/main/java/com/maadhar/service/LoginService.java - Spring Tool Suite 4
File Edit Source Refactor Source Navigate Search Project Run Window Help
Aadhar.java Login.java AadharControl... LoginControl... MAadharAppApp... AadharReposit... LoginReposito... AadharService... LoginService.j... application... Dockerfile
1 package com.maadhar.service;
2
3 import java.util.Optional;
4
5
6
7
8
9
10
11 @Service
12 public class LoginService {
13     @Autowired
14     LoginRepository loginRepository;
15     public String signIn(Login login) {
16         Optional<Login> result = loginRepository.findById(login.getEmailId());
17         if(result.isPresent()) {
18             Login ll = result.get();
19             if(ll.getPassword().equals(login.getPassword())) {
20
21                 if(login.getTypeOfUser().equals(ll.getTypeOfUser()) && login.getTypeOfUser().equals("admin")) {
22                     return "Admin successfully login";
23                 } else if(login.getTypeOfUser().equals(ll.getTypeOfUser()) && login.getTypeOfUser().equals("user")) {
24                     return "User successfully login";
25                 } else {
26                     return "Invalid details";
27                 }
28             } else {
29                 return "Invalid password";
30             }
31         } else {
32             return "Invalid emailId";
33         }
34     }
35     public String signUp(Login login) {
36         Optional<Login> result = loginRepository.findById(login.getEmailId());
37         if(result.isPresent()) {
38             return "Email Id already exists";
39         } else {
40             if(login.getTypeOfUser().equals("admin")) {
41                 return "You can't create admin account";
42             } else {
43                 loginRepository.save(login);
44                 return "Account created successfully";
45             }
46         }
47     }
48 }
49
50
```

```
Capstone Project - backend-app/src/main/resources/application.properties - Spring Tool Suite 4
File Edit Source Navigate Search Project Run Window Help
Aadhar.java Login.java AadharControl... LoginControl... MAadharAppApp... AadharReposit... LoginReposito... AadharService... LoginService.j... application... Dockerfile
1 spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
2 spring.datasource.url=jdbc:mysql://localhost:3306/capstone_project
3 spring.datasource.username=root
4 spring.datasource.password=root123
5 spring.jpa.hibernate.ddl-auto=update
6 server.port=9091
7
```

```
Capstone Project - backend-app/Dockerfile - Spring Tool Suite 4
File Edit Source Navigate Search Project Run Window Help
Dockerfile x Aadhar.java Login.java AadharControl... LoginControl... MAadharAppApp... AadharReposit... LoginReposito... AadharService... LoginService.j... application...
1 FROM openjdk:8
2 COPY target/aadhar-backend.jar .
3 CMD ["java", "-jar", "aadhar-backend.jar"]
```

