Source Code

Login.java

```
package com.m_aadhar.bean;


import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;


@Entity
public class Login {
	@Id
	private String emailid;
	@GeneratedValue(strategy = GenerationType.AUTO)
	private int id;


	private String password;
	@Column(name = "typeofuser")
	private String typeOfUser;


	private String name;
	private String address;
	private double phone;
	private String dob;
```

```
public String getEmailid() {
		return emailid;
}
public void setEmailid(String emailid) {
		this.emailid = emailid;
}
public String getPassword() {
		return password;
}

public int getId() {
		return id;
}
public void setId(int id) {
		this.id = id;
}
public String getName() {
		return name;
}
public void setName(String name) {
		this.name = name;
}
public String getAddress() {
		return address;
}
public void setAddress(String address) {
```

```
		this.address = address;
	}
	public double getPhone() {
		return phone;
	}
	public void setPhone(double phone) {
		this.phone = phone;
	}
	public String getDob() {
		return dob;
	}
	public void setDob(String dob) {
		this.dob = dob;
	}
	public void setPassword(String password) {
		this.password = password;
	}
	public String getTypeOfUser() {
		return typeOfUser;
	}
	public void setTypeOfUser(String typeOfUser) {
		this.typeOfUser = typeOfUser;
	}

	public Login(int id, String emailid, String password, String typeOfUser, String name, String
address, double phone,
			String dob) {
```

```
		super();
		this.id = id;
		this.emailid = emailid;
		this.password = password;
		this.typeOfUser = typeOfUser;
		this.name = name;
		this.address = address;
		this.phone = phone;
		this.dob = dob;
	}

	public Login() {
		super();
		// TODO Auto-generated constructor stub
	}
	@Override
	public String toString() {
		return "Login [id=" + id + ", emailid=" + emailid + ", password=" + password + ",
typeOfUser=" + typeOfUser
				+ ", name=" + name + ", address=" + address + ", phone=" + phone
+ ", dob=" + dob + "]";
	}



}
```

LoginController.java

```
package com.m_aadhar.controller;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.http.MediaType;
import org.springframework.web.bind.annotation.CrossOrigin;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;

import com.m_aadhar.bean.Login;
import com.m_aadhar.service.LoginService;

@RestController
@RequestMapping("login")
@CrossOrigin
public class LoginController {

	@Autowired
	LoginService ls;

	@GetMapping(value = "note")
	public String note() {
		return ls.note();
	}
```

```
	@PostMapping(value = "signIn", consumes = MediaType.APPLICATION_JSON_VALUE)
	public String signIn(@RequestBody Login login) {
		 System.out.println(login);
		return ls.signIn(login);
	}

	@PostMapping(value = "signUp", consumes = MediaType.APPLICATION_JSON_VALUE)
	public String signUp(@RequestBody Login login) {
		return ls.signUp(login);
	}



}
```

OperationController.java

```
package com.m_aadhar.controller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.http.MediaType;
import org.springframework.web.bind.annotation.CrossOrigin;
import org.springframework.web.bind.annotation.DeleteMapping;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PatchMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
```

```
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;

import com.m_aadhar.bean.Login;
import com.m_aadhar.service.LoginService;

@RestController
@RequestMapping("operation")
@CrossOrigin
public class OperationController {

	@Autowired
	LoginService ls;

	@PostMapping(value = "apply", consumes = MediaType.APPLICATION_JSON_VALUE)
	public String apply(@RequestBody Login login) {
		return ls.storeUser(login);
	}

	@PatchMapping(value = "update", consumes = MediaType.APPLICATION_JSON_VALUE)
	public String update(@RequestBody Login login) {
		return ls.update(login);
	}

	@GetMapping(value = "getAll",produces = MediaType.APPLICATION_JSON_VALUE)
	public List<Login> getAllUser(){
```

```
		return ls.getAll();
	}

	@GetMapping(value = "getUser/{id}", produces = MediaType.APPLICATION_JSON_VALUE)
	public List<Login> getOneUser(@PathVariable("id") int id){
		return ls.findById(id);
	}

	@DeleteMapping(value = "delete/{emailid}")
	public String deleteUser(@PathVariable("emailid") String emailid){
		return ls.delete(emailid);
	}




}
```

LoginRepository

```
package com.m_aadhar.repository;

import java.util.List;
import java.util.Optional;

import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.data.jpa.repository.Query;
```

```
import org.springframework.data.repository.query.Param;
import org.springframework.stereotype.Repository;

import com.m_aadhar.bean.Login;

@Repository
public interface LoginRepository extends JpaRepository<Login, String> {

	@Query("select l from Login l where l.id = :id")
	public List<Login> userById(@Param("id") int id);



}
```

LoginService.java

```
package com.m_aadhar.service;

import java.util.List;
import java.util.Optional;

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

import com.m_aadhar.bean.Login;
import com.m_aadhar.repository.LoginRepository;

@Service
```

```
public class LoginService {

	@Autowired
	LoginRepository lr;

	public String signIn(Login login) {
		Optional<Login> result = lr.findById(login.getEmailid());
		if(result.isPresent()) {
					Login ll = result.get();
					if(ll.getPassword().equals(login.getPassword())) {

						if(login.getTypeOfUser().equals(ll.getTypeOfUser())
&& login.getTypeOfUser().equals("admin")) {
							return "Admin sucessfully login";
						}else
if(login.getTypeOfUser().equals(ll.getTypeOfUser()) && login.getTypeOfUser().equals("user")){
							return "User successfully login";
						}else {
							return "Invalid details";
						}
					}else {
						return "InValid password";
					}
		}else {
			return "InValid emailId";
		}
	}
```

```
	public String signUp(Login login) {
		Optional<Login> result = lr.findById(login.getEmailid());
		if(result.isPresent()) {
					return "Email Id alreay exists";
		}else {
//			Login ll = result.get();
			if(login.getTypeOfUser().equals("admin")) {
				return "You can't create admin account";
			}else {
				lr.save(login);
				return "Account created successfully";
			}

		}
	}

	public List<Login> getAll(){
		return lr.findAll();
	}

	public List<Login> findById(int id) {
		return lr.userById(id);
	}

	public String delete(String emailid) {
		Optional<Login> result = lr.findById(emailid);
```

```
		if(result.isPresent()) {
			Login l = result.get();
			lr.delete(l);
			return "User deleted successfully";
		}else {
			return "User with this id not present";
		}
	}

	public String update(Login login) {
		Optional<Login> result = lr.findById(login.getEmailid());
		if(result.isPresent()) {
			Login l = result.get();
			l.setAddress(login.getAddress());
			l.setDob(login.getDob());
			l.setPhone(login.getPhone());
			return "User updated successfully";
		}else {
			return "User with this id not present";
		}
	}

	public String storeUser(Login login) {
		lr.save(login);
		return "User applied for aadhar card";
	}
```

```
	public String note() {
		return "this is an application";
	}

}
```

Rest of Codes are Uploaded On Github..

Link

https://github.com/ujjwaltiwari07/capstonemAadhar.git