



SHOPPING MALL MANAGEMENT SYSTEM

By

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PROBLEM STATEMENT

In this project, we designed a Shopping Mall Management System to deliver a seamless and enjoyable shopping experience for customers while providing comprehensive management functionalities for mall administrators and shop owners. The system facilitates efficient customer service, smooth mall operations, and effective employee management, ensuring that both customer satisfaction and business productivity are optimized.



PROJECT FLOW

POSTMAN->Spring REST Controller->Service Layer
->Spring Data JPA Repository Layer->Database



JUnit





PROJECT MODULES

Admin Module

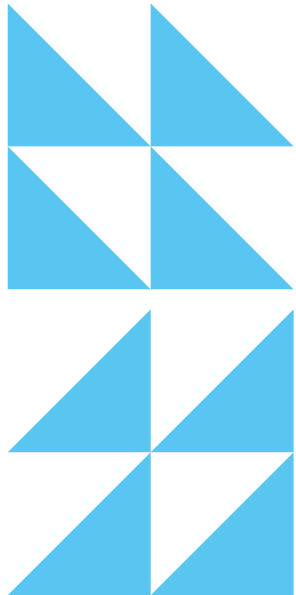
Customer Module

Employee Module

ShopOwner Module



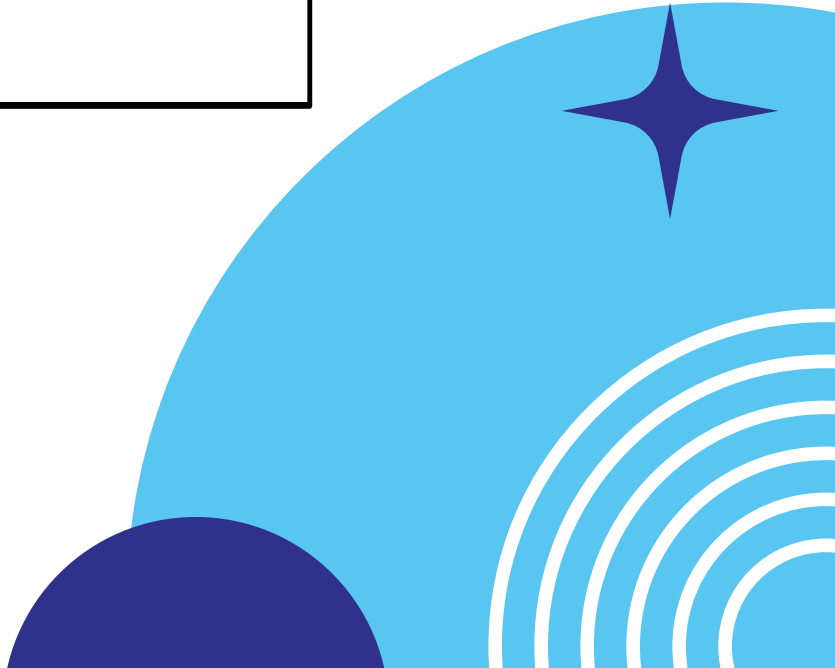
ADMIN MODULE



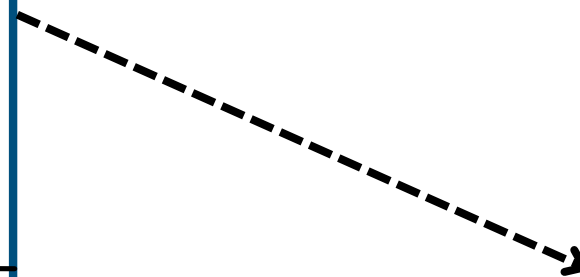
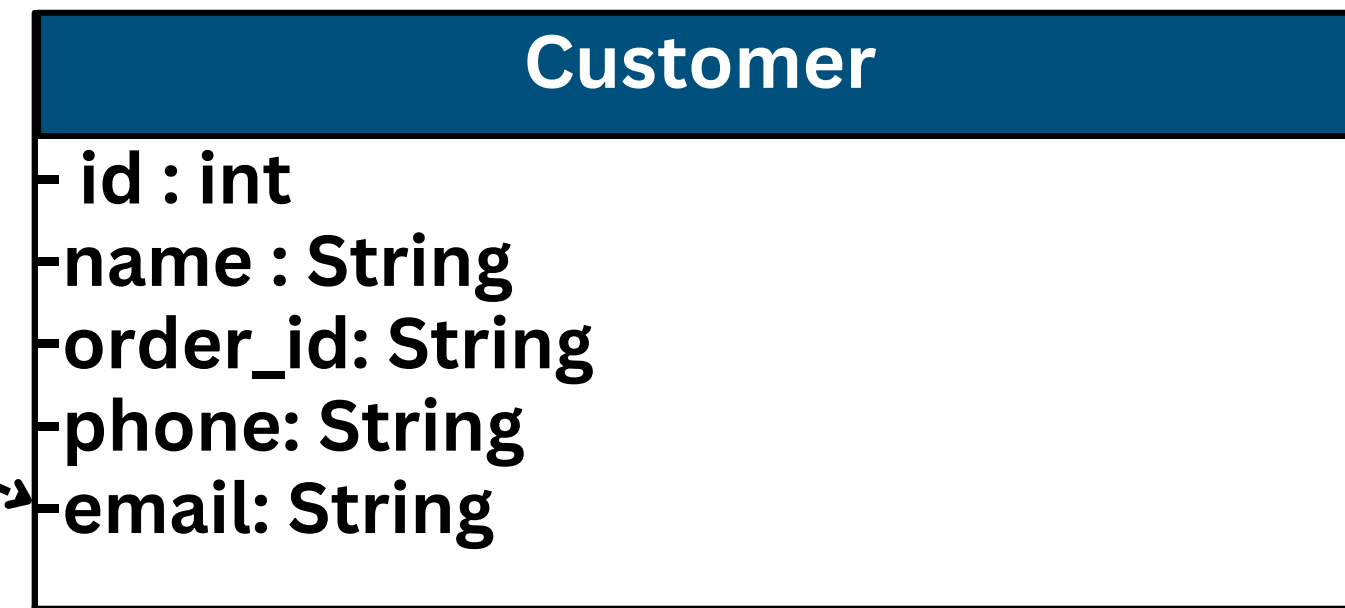
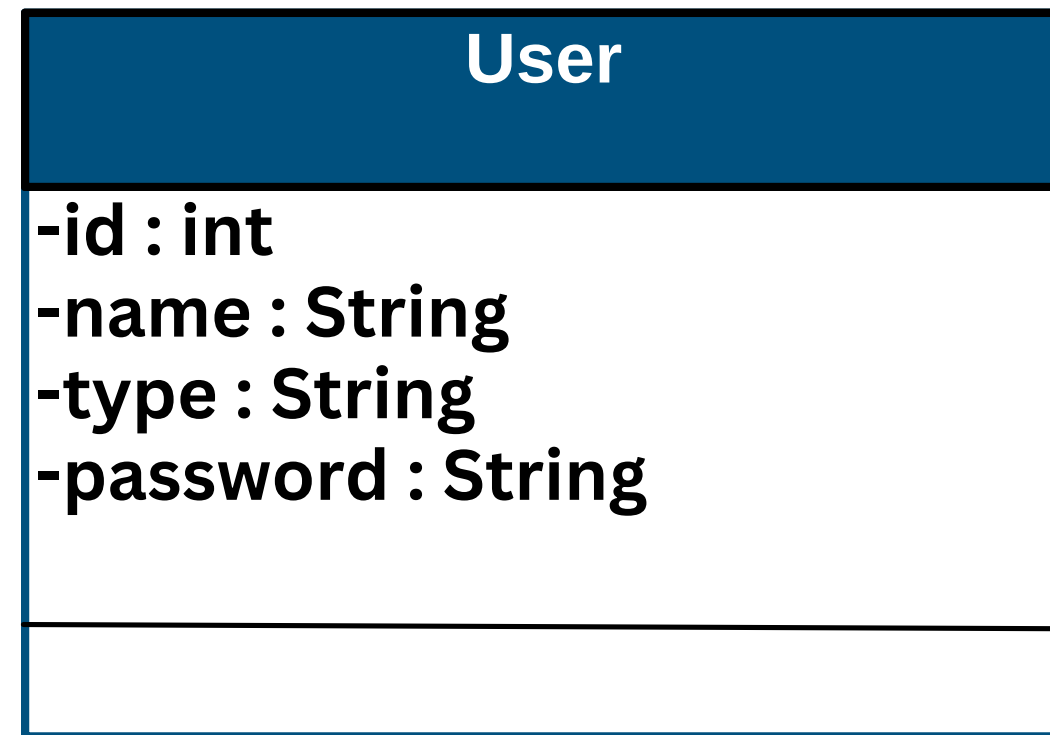
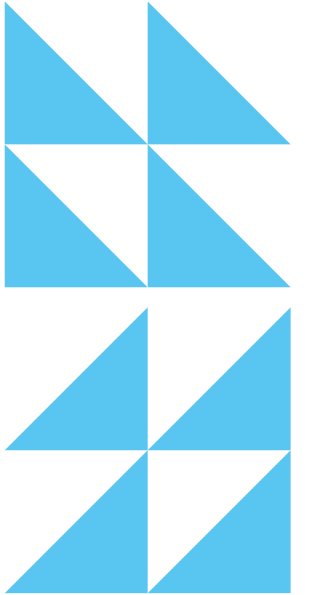
MallAdmin
<ul style="list-style-type: none">-id : int-name : String-password : String-phone : String

IAdminService
<ul style="list-style-type: none">+ listAll(): List<MallAdmin>+ addMallAdmin(MallAdmin mallAdmin): MallAdmin+ updateMallAdmin(MallAdmin mallAdmin):MallAdmin+ deleteMallAdmin(int id): Void

AdminController
<ul style="list-style-type: none">- service: IAdminService
<ul style="list-style-type: none">+ addMallAdmin(@RequestBody MallAdmin mallAdmin): ResponseEntity<MallAdmin>+ getMallAdmin(@PathVariable int id): ResponseEntity<MallAdmin>+ updateMallAdmin(@RequestBody MallAdmin mallAdmin, @PathVariable int id): ResponseEntity<MallAdmin>+ deleteMallAdmin(@PathVariable int id): ResponseEntity<void>



CUSTOMER MODULE



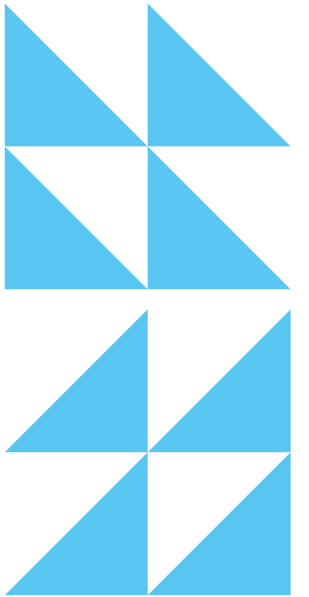
CUSTOMER MODULE

Service Interface

CustomerService

- **customerRepository: CustomerRepository**

+searchItem(String itemName) : List
+orderItem(Item item) : Item
+searchMall(long id):Mall
+cancelOrder(long orderId):Boolean

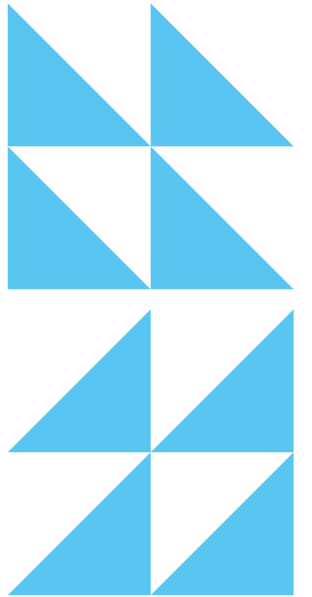


CUSTOMER MODULE

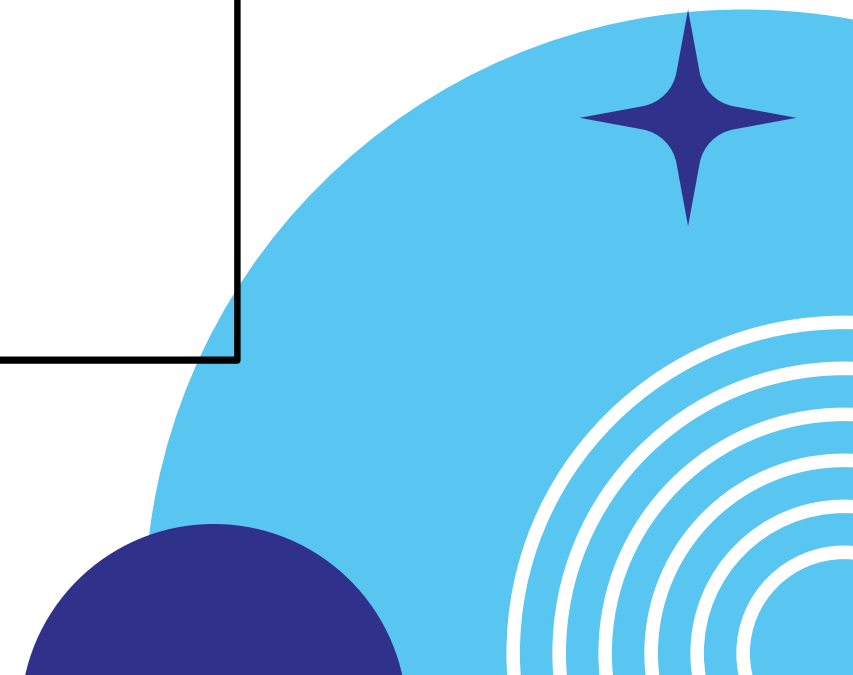
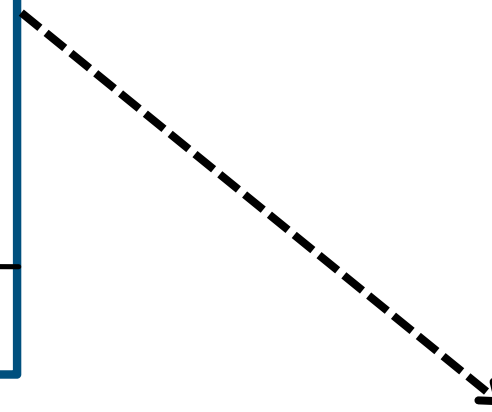
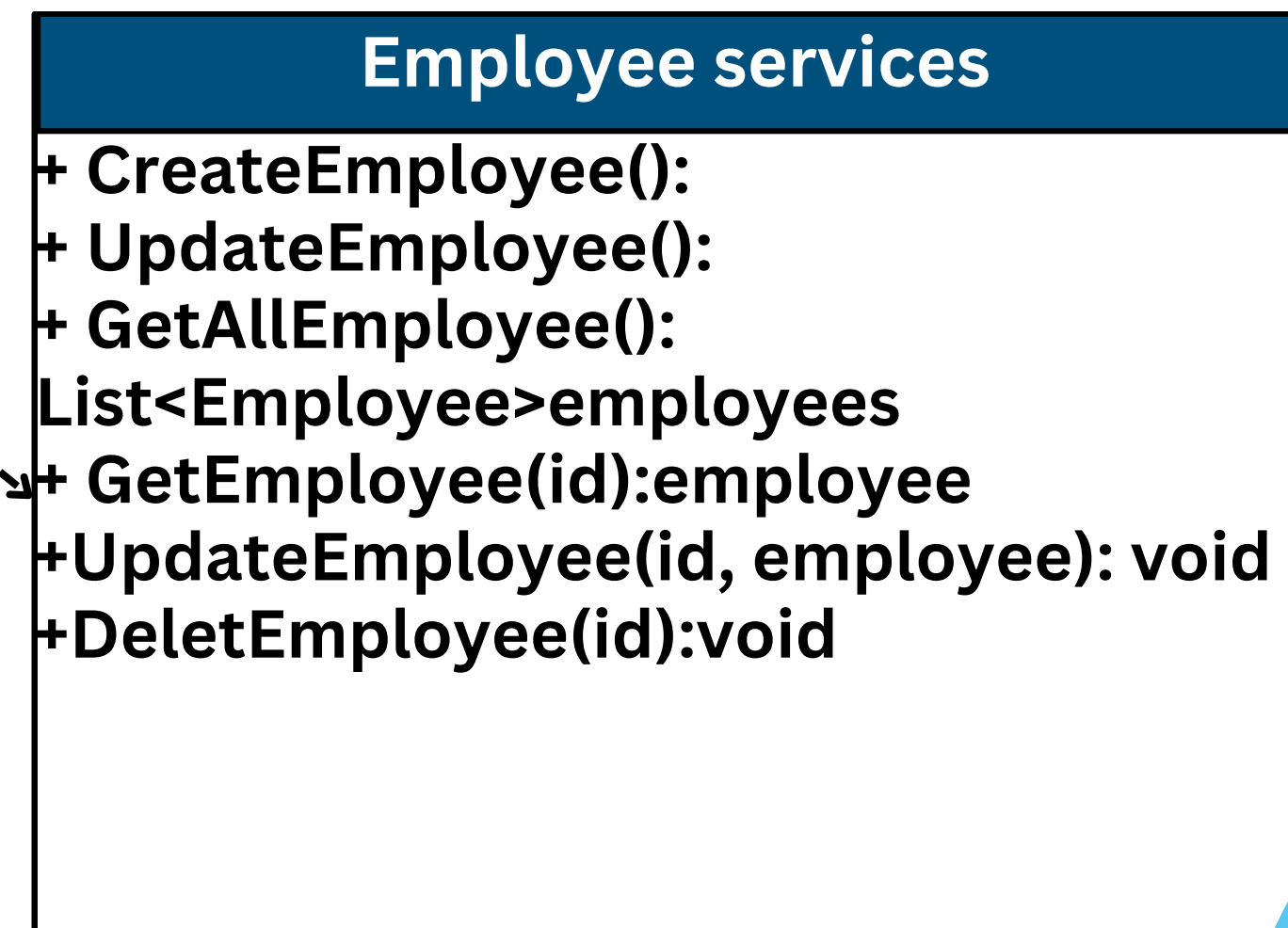
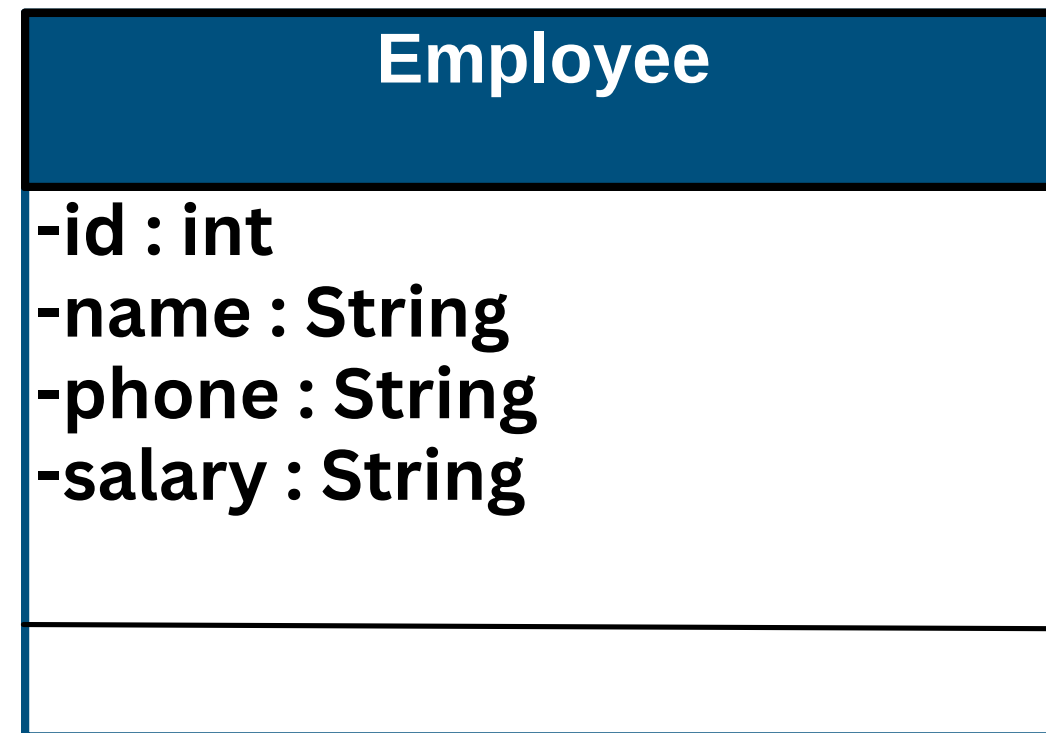
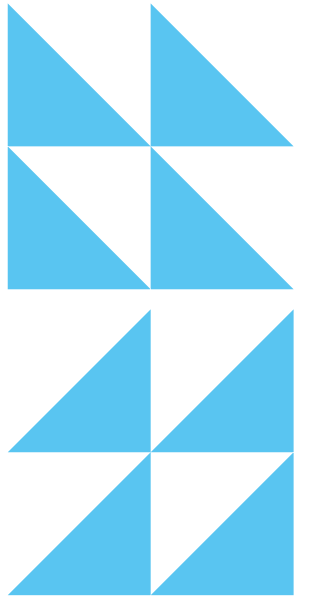
Repository Interface

CustomerRepository

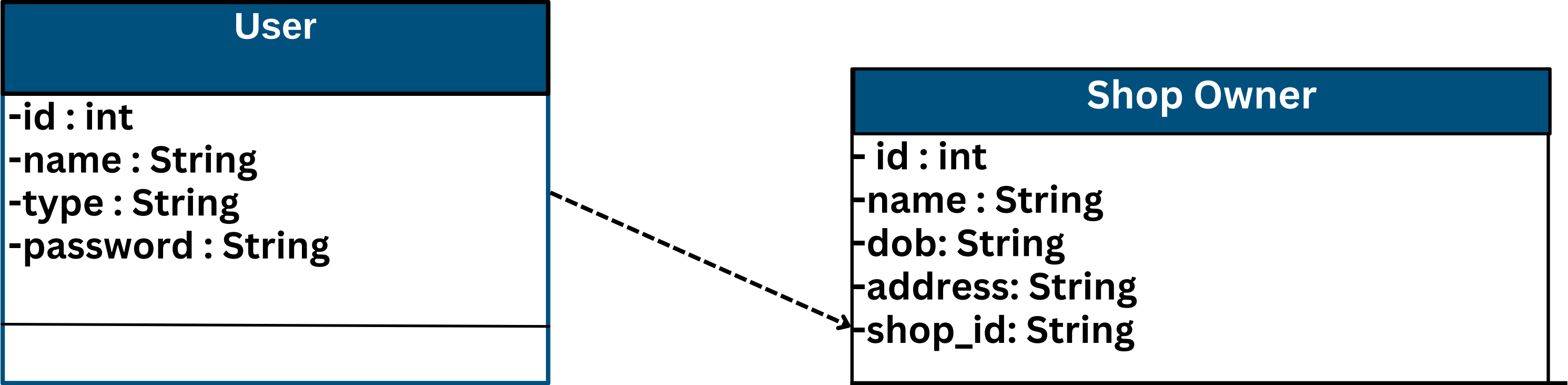
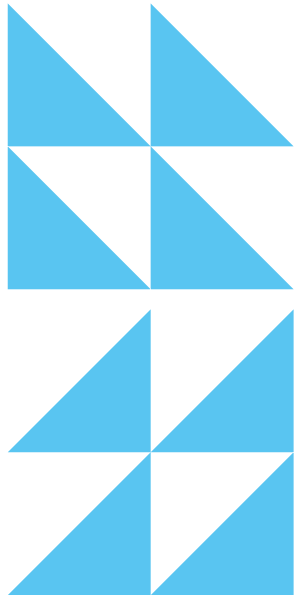
- + saveCustomer(customer: Customer): Customer
- + findCustomerById(id: Long): Optional<Customer>
- + deleteCustomerById(id: Long): void
- + findAllCustomers(): Optional<List<Customer>>



EMPLOYEE MODULE



SHOP OWNER MODULE

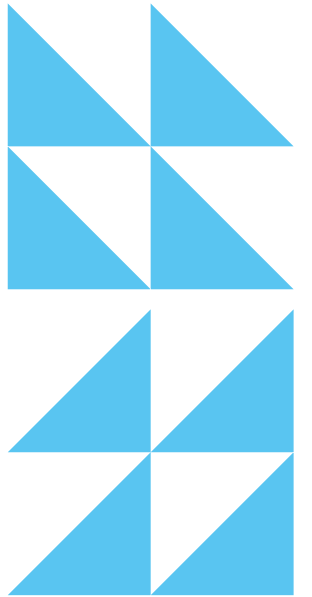


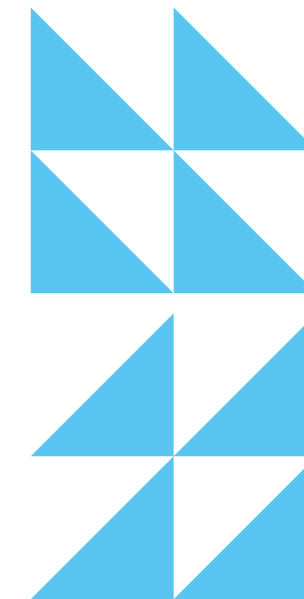
SHOP OWNER MODULE

Repository Interface

ShopOwnerRepository

```
+addShopOwner(ShopOwner shopOwner) :  
ShopOwner +updateShopOwner(ShopOwner  
shopOwner) : ShopOwner +searchShopOwner(long  
id): ShopOwner +deleteShopOwner(long  
id):ShopOwner
```





THANK
YOU

