Design patterns and principles

SuperSet ID:6412063

Exercise 11: Implementing Dependency Injection

Code:

public interface CustomerRepository {

String findCustomerById(String customerId);

}

public class CustomerRepositoryImpl implements CustomerRepository {

public String findCustomerById(String customerId) {

return "Customer[id=" + customerId + ", name=Alice, email=alice@example.com]";

}

}

public class CustomerService {

private final CustomerRepository customerRepository;

public CustomerService(CustomerRepository customerRepository) {

this.customerRepository = customerRepository;

}

public void showCustomer(String customerId) {

String customer = customerRepository.findCustomerById(customerId);

System.out.println("Fetched from Repository: " + customer);

}

}

public class CustomerApp {

public static void main(String[] args) {

CustomerRepository repository = new CustomerRepositoryImpl();

CustomerService service = new CustomerService(repository);

service.showCustomer("CUST101");

}

}

Output:

A close-up of a text

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