**ChatGpt Generated Code:**

**Example Code:**

**1. OrderService.java**

java

Copy code

import org.springframework.stereotype.Component;

@Component

public class OrderService {

private final ProductService productService;

public OrderService(ProductService productService) {

this.productService = productService;

}

public void processOrder() {

System.out.println("Processing order...");

productService.getProductInfo();

}

}

**2. ProductService.java**

java

Copy code

import org.springframework.stereotype.Component;

@Component

public class ProductService {

public void getProductInfo() {

System.out.println("Product information retrieved.");

}

}

**3. CustomerService.java**

java

Copy code

public class CustomerService {

public void getCustomerDetails() {

System.out.println("Customer details retrieved.");

}

}

**4. AppConfig.java (Configuration Class)**

java

Copy code

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.Configuration;

@Configuration

public class AppConfig {

@Bean

public CustomerService customerService() {

return new CustomerService();

}

}

**5. Main Application**

java

Copy code

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.AnnotationConfigApplicationContext;

public class MainApp {

public static void main(String[] args) {

ApplicationContext context = new AnnotationConfigApplicationContext(AppConfig.class);

OrderService orderService = context.getBean(OrderService.class);

orderService.processOrder();

CustomerService customerService = context.getBean(CustomerService.class);

customerService.getCustomerDetails();

}

}