ข้อ 1.1

Web

Customers List : by Pawarit Samriang 66130500059

Cust#.	CustomerName	City	Country	CreditLimit
059-103	Atelier graphique	Nantes	France	21000.00
059-112	Signal Gift Stores	Las Vegas	USA	71800.00
059-114	Australian Collectors, Co.	Melbourne	Australia	117300.00
059-119	La Rochelle Gifts	Nantes	France	118200.00
059-121	Baane Mini Imports	Stavern	Norway	81700.00
059-124	Mini Gifts Distributors Ltd.	San Rafael	USA	210500.00
059-125	Havel & Zbyszek Co	Warszawa	Poland	0.00
059-128	Blauer See Auto, Co.	Frankfurt	Germany	59700.00
059-129	Mini Wheels Co.	San Francisco	USA	64600.00
059-131	Land of Toys Inc.	NYC	USA	114900.00
059-141	Euro+ Shopping Channel	Madrid	Spain	227600.00
059-144	Volvo Model Replicas, Co	Luleå	Sweden	53100.00
059-145	Danish Wholesale Imports	Kobenhavn	Denmark	83400.00
059-146	Saveley & Henriot, Co.	Lyon	France	123900.00
059-148	Dragon Souveniers, Ltd.	Singapore	Singapore	103800.00
059-151	Muscle Machine Inc	NYC	USA	138500.00

Controller

```java
@Controller  new *
@RequestMapping("66130500059")
public class CustomerController {
        private CustomerService CustomerService ;  2 usages
        public CustomerController(CustomerService CustomerService, CustomerService customerService){  n
            this.CustomerService = CustomerService;
        }
    @GetMapping("/customers")  new *
    public String getAllCustomer(Model model) {
        var customers = CustomerService.getAllCustomer();
        model.addAttribute("customers",customers);
        return "customer_list";
    }
}
```

Service

```java
package sit.int202.m_66130500059.services;



import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.data.domain.Page;
import org.springframework.data.domain.Pageable;
import org.springframework.http.HttpStatus;
import org.springframework.stereotype.Service;
import org.springframework.web.server.ResponseStatusException;
import sit.int202.m_66130500059.entities.Customer;
import sit.int202.m_66130500059.repositorie.CustomerRepository;

import java.util.List;

@Service  4 usages  new *
public class CustomerService {
    @Autowired
    private CustomerRepository customerRepository ;
    public  List<Customer> getAllCustomer(){  1 usage  new *
            return customerRepository.findAll();
    }
    public Page<Customer> getAllCustomers(Pageable pageable) {  no usages  new *
        return customerRepository.findAll(pageable);
    }

    public void createCustomer(Customer customer) {  no usages  new *
        if (customerRepository.existsById(customer.getId())) {
            throw new ResponseStatusException(HttpStatus.BAD_REQUEST,"Id already exist");
        }
        customerRepository.save(customer);
    }
}
```

Entities

```java
package sit.int202.m_66130500059.entities;

> import ...

@Getter  4 usages  new *
@Setter
@Entity
@Table(name = "customers")
public class Customer {
    @Id
    @Column(name = "customerNumber", nullable = false)
    private Integer id;

    @Column(name = "customerName", nullable = false, length = 50)
    private String customerName;

    @Column(name = "contactLastName", nullable = false, length = 50)
    private String contactLastName;
```

Repository

```java
package sit.int202.m_66130500059.repositorie;

import org.springframework.data.jpa.repository.JpaRepository;
import sit.int202.m_66130500059.entities.Customer;

public interface CustomerRepository extends JpaRepository<Customer, Integer> {  2 usages  new *
}
```

View

```html
1   <!DOCTYPE html>
2   <html lang="en" xmlns:th="http://www.thymeleaf.org">
3   <head>
4       <meta charset="UTF-8">
5       <title>Customers List 059</title>
6       <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="sty
7   </head>
8   <body>
9   <h1>Customers List : by Pawarit Samriang 66130500059</h1>
10  <hr>
11  <table class="table">
12      <tr>
13          <th>Cust#.</th>
14          <th>CustomerName</th>
15          <th>City</th>
16          <th>Country</th>
17          <th>CreditLimit</th>
18      </tr>
19      <tr th:each="c: ${customers}">
20          <td>
21              <a th:text="@{'059-'+${c.id}}"></a>
22          </td>
23          <td th:text="${c.customerName}"></td>
24          <td th:text="${c.city}"></td>
25          <td th:text="${c.country}"></td>
26          <td th:text="${c.creditLimit}"/></td>
27      </tr>
28  </table>
29  </body>
30  </html>
```

ข้อ 1.2

Web

Customer List : by Pawarit Samriang 66130500059

Customer: | CustomerNumber | CustomerName | City | Country

Order#	Order Number	Order Date.	Status	Comments

Controller

```java
package sit.int202.m_66130500059.controller;


import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.RequestMapping;
import sit.int202.m_66130500059.services.OrderService;


@Controller   new *
@RequestMapping("/66130500059")
public class OrderController {
    private final OrderService service;   2 usages
    public OrderController(OrderService service) {   new *
        this.service = service;
    }
    @GetMapping("/customers/orders")   new *
    public String getAllOrders(Model model) {
        model.addAttribute("products", service.findAll());
        return "order_list";
    }
}
```

Service

```java
package sit.int202.m_66130500059.services;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;
import sit.int202.m_66130500059.entities.Order;
import sit.int202.m_66130500059.repositorie.OrderRepository;

import java.util.List;

@Service  1 usage  new *
public class OrderService {
    @Autowired
    private final  OrderRepository repository;
    public OrderService(OrderRepository repository) {  new *
        this.repository = repository;
    }
    public List<Order> findAll(){  no usages  new *
        return repository.findAll();
    }

}
```

Entities

```java
package sit.int202.m_66130500059.entities;

import ...

@Getter   4 usages   new *
@Setter
@Entity
@Table(name = "orders")
public class Order {
    @Id
    @Column(name = "orderNumber", nullable = false)
    private Integer id;

    @Column(name = "orderDate", nullable = false)
    private LocalDate orderDate;

    @Column(name = "requiredDate", nullable = false)
    private LocalDate requiredDate;

    @Column(name = "shippedDate")
    private LocalDate shippedDate;

    @Column(name = "status", nullable = false, length = 15)
    private String status;

    @Lob
    @Column(name = "comments")
    private String comments;

    @ManyToOne(fetch = FetchType.LAZY, optional = false)
```

Repository

```java
package sit.int202.m_66130500059.repositorie;

import org.springframework.data.jpa.repository.JpaRepository;
import sit.int202.m_66130500059.entities.Order;



public interface OrderRepository extends JpaRepository<Order, Integer> {  2 usages  new *

}
```

View

```html
<!DOCTYPE html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8">
    <title>Order List 059</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyj
</head>
<body>
<h1>Customer List : by Pawarit Samriang 66130500059</h1>
<br>
<h2> Customer: | CustomerNumber | CustomerName | City | Country</h2>
<table class="table">
    <tr>
        <th>Order# </th>
        <th>Order Number</th>
        <th>Order Date.</th>
        <th>Status</th>
        <th>Comments</th>
    </tr>
    <tr th:each="o: ${orders}">
        <td>
            <a th:text="@{'059-'+${o.id}}"></a>
        </td>
        <td th:text="${o.orderDate}"></td>
        <td th:text="${o.status}"/></td>
        <td th:text="${o.comments}"> </td>
    </tr>
</table>
</body>
</html>
```