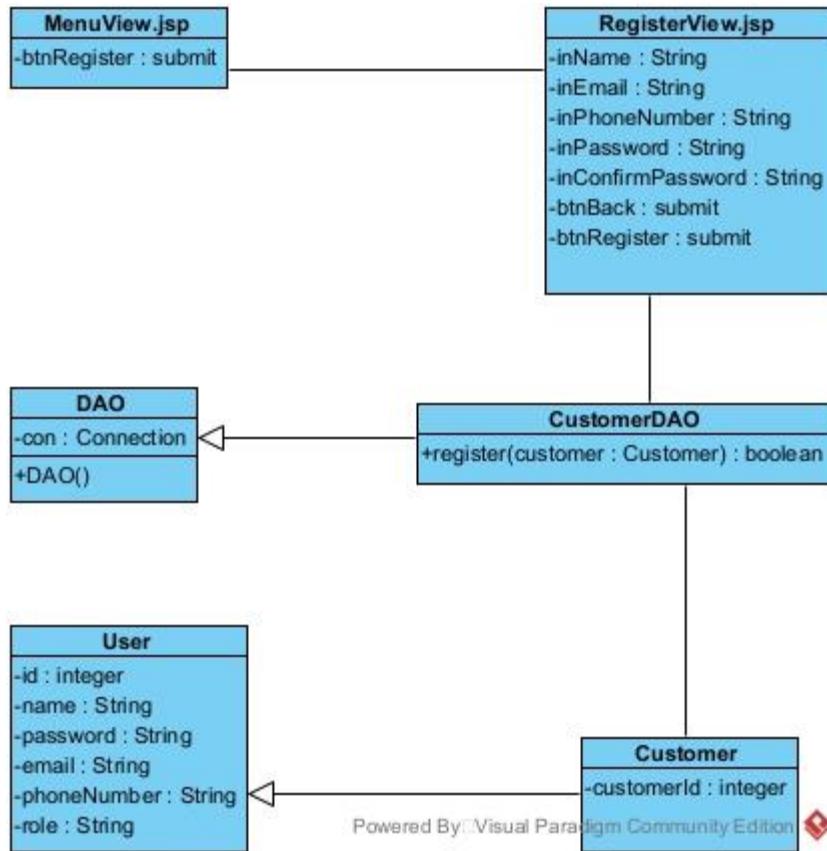
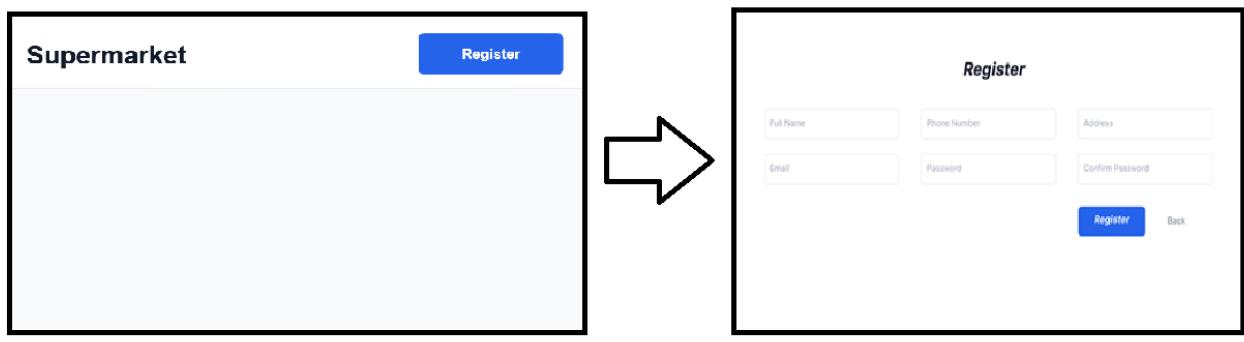


Design 2

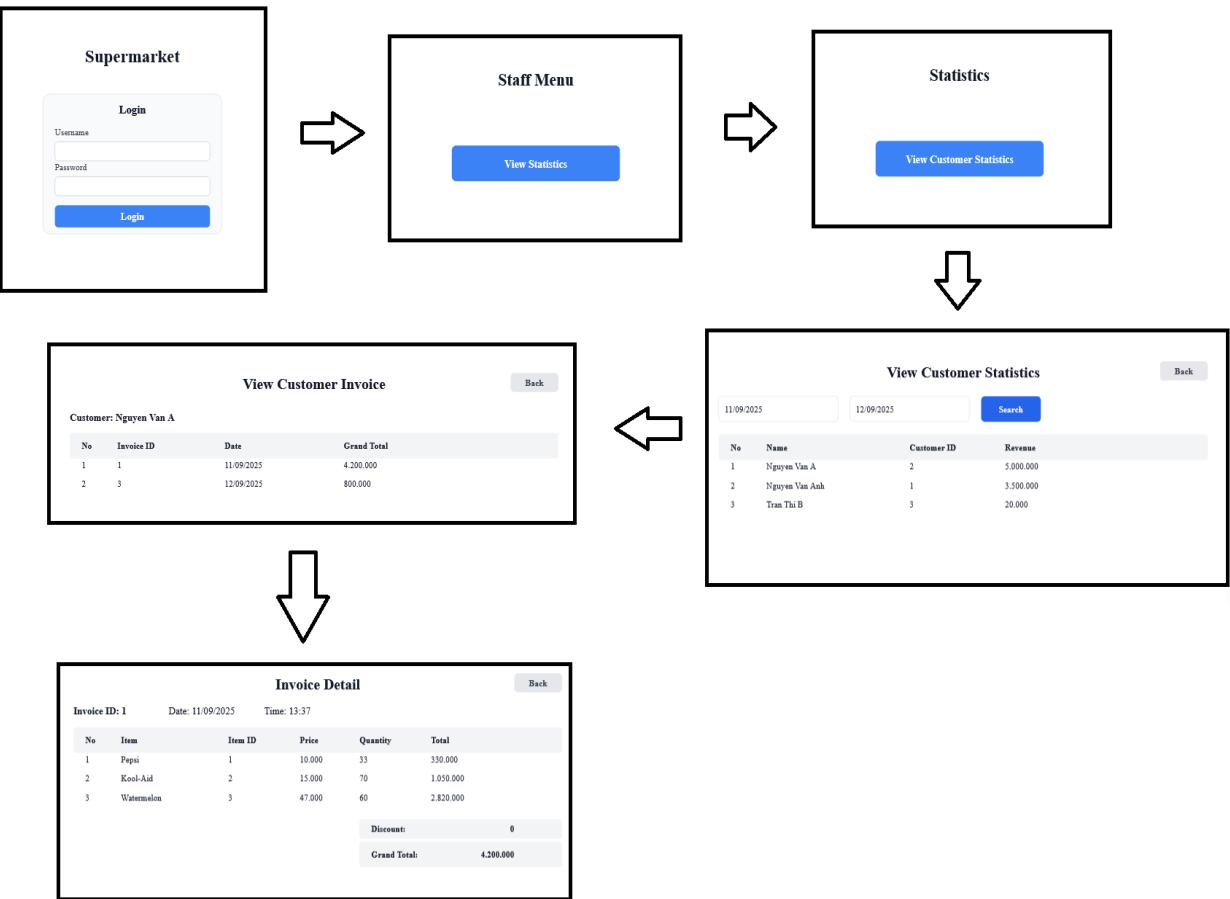
Class diagram

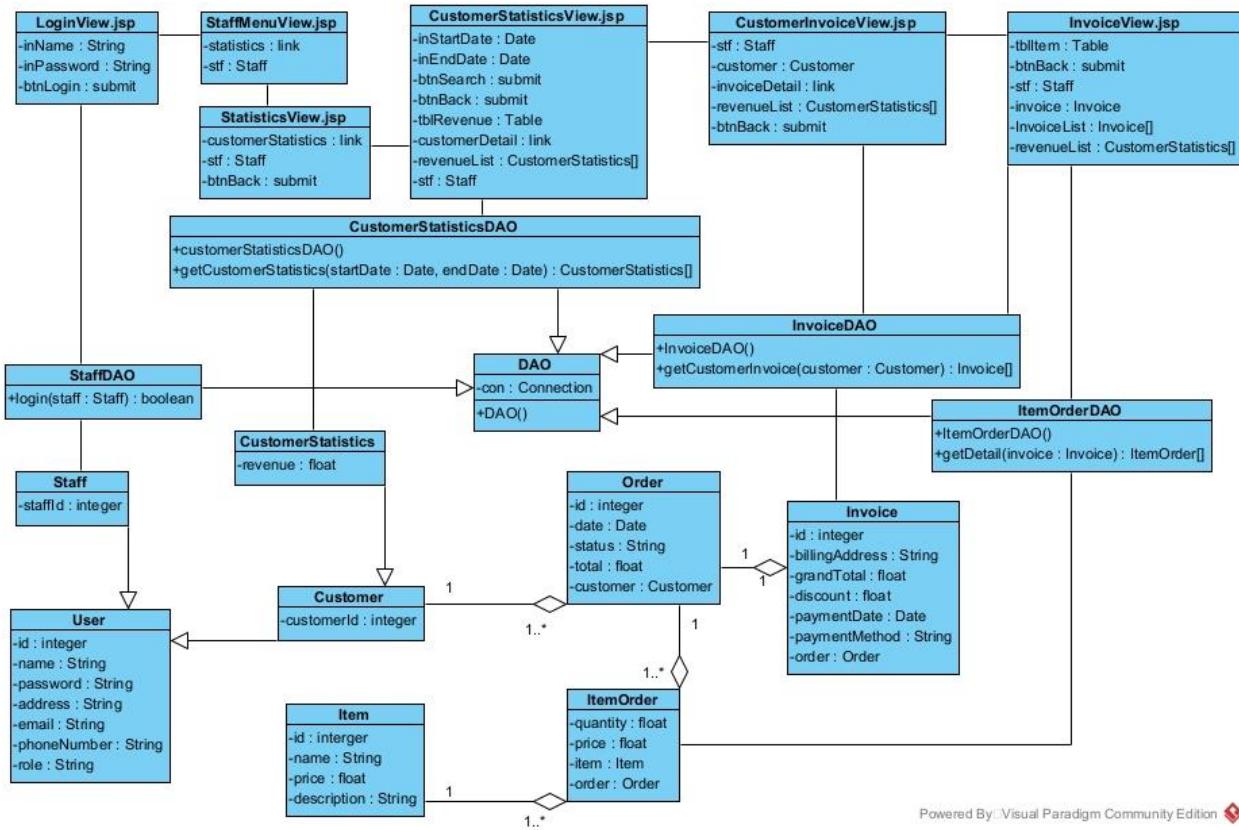
Module register as a member



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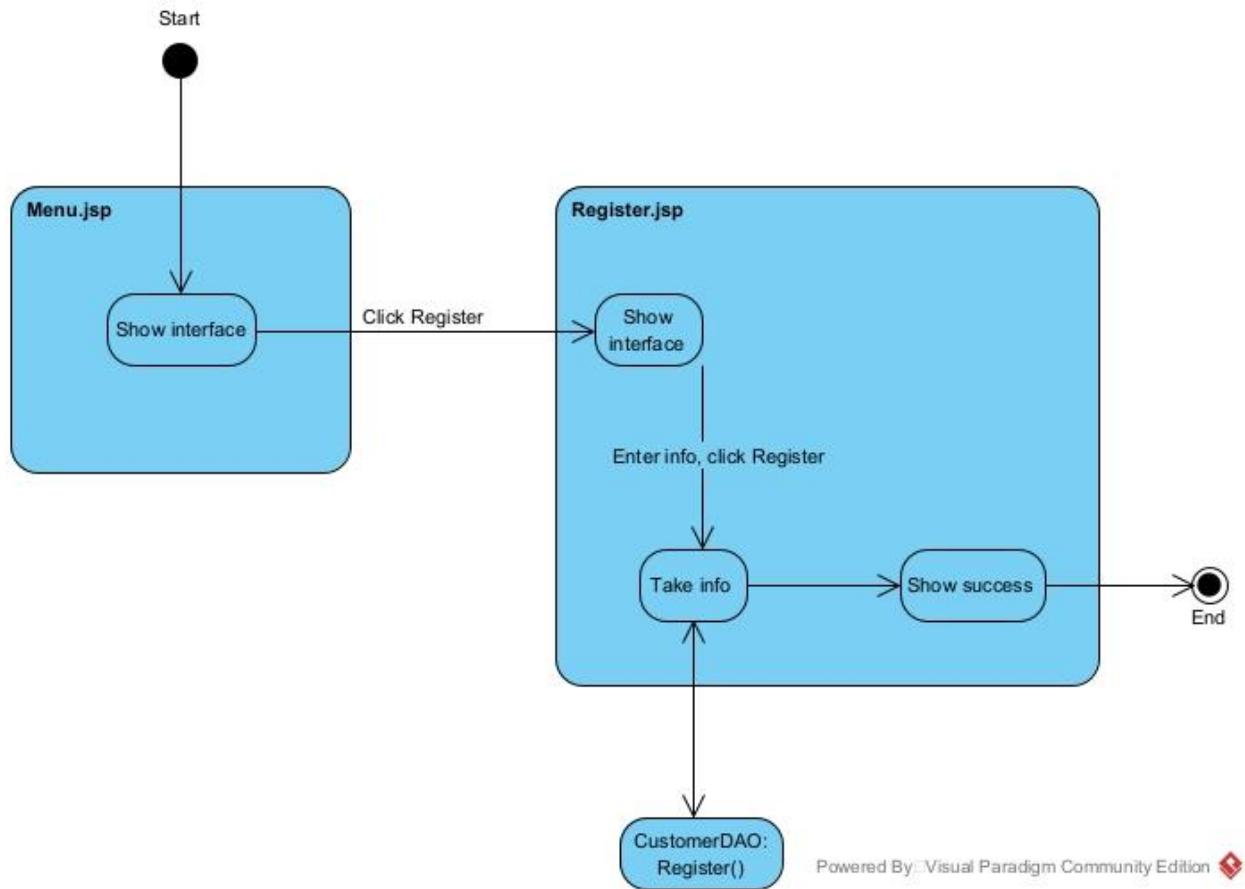
Module view customer statistics by revenue



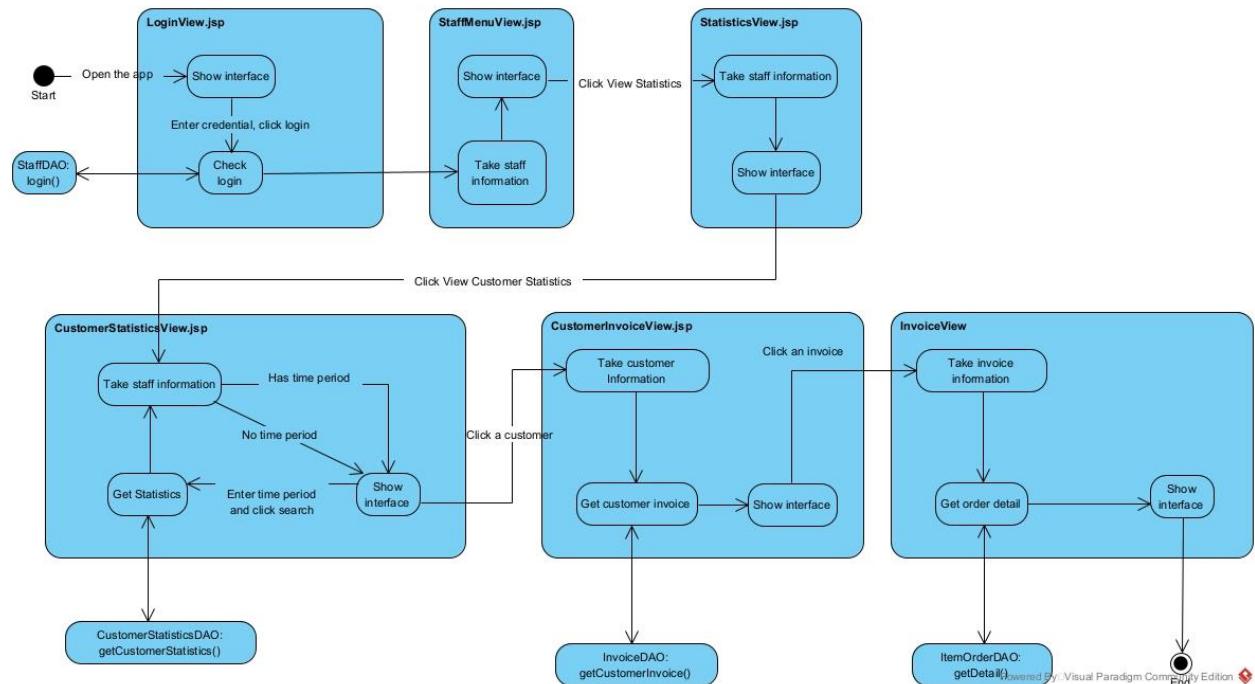


Activity diagram

Module register as a member



Module view customer statistics by revenue



Scenario 3.0

Module register as customer

1. In main menu interface, customer click register
2. The interface `MenuView.jsp` call the interface `RegisterView.jsp`
3. The interface `RegisterView.jsp` display itself to the customer
4. The customer input information and click register
5. The interface `RegisterView.jsp` call the class `Customer`
6. The class `Customer` pack the information to a `Customer` object
7. The class `Customer` return the `Customer` object to interface `RegisterView.jsp`
8. The interface `RegisterView.jsp` call the class `CustomerDAO`
9. The class `CustomerDAO` execute `register()`
10. The class `CustomerDAO` return the result to the interface `RegisterView.jsp`
11. Class `RegisterView.jsp` display success message

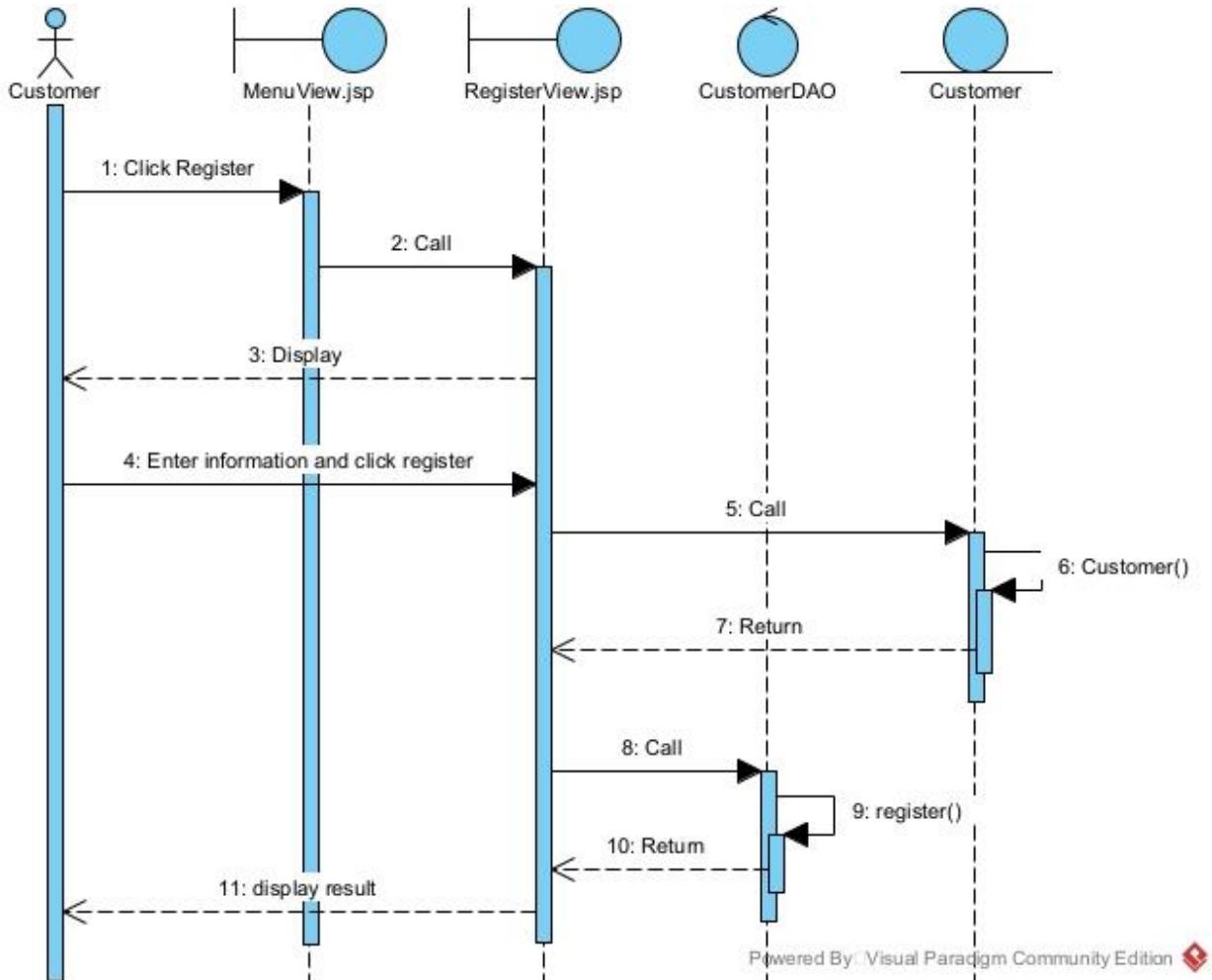
Module view customer statistics by revenue

1. In the login interface, management staff enter username, password and click Login
2. The interface `LoginView.jsp` call the class `Staff`
3. The class `Staff` pack the information into a `Staff` object
4. The class `Staff` return the object to the interface `LoginView.jsp`
5. The interface `LoginView.jsp` call the class `StaffDAO`
6. The class `StaffDAO` execute `login()`

7. The class StaffDAO return the result to the interface LoginView.jsp
8. The interface LoginView.jsp call the interface StaffMenuView.jsp
9. The interface StaffMenuView.jsp display to the management staff
10. In staff menu interface, management staff click view statistics
11. The interface StaffMenuView.jsp call the interface StatisticsView.jsp
12. The interface StatisticsView.jsp display to the management staff
13. The staff click view customer statistics by revenue
14. The interface StatisticsView.jsp call the interface CustomerStatisticsView.jsp
15. The interface CustomerStatisticsView.jsp display to the management staff
16. The staff enter date and click search
17. The interface CustomerStatisticsView.jsp call the class CustomerStatisticsDAO
18. The class CustomerStatisticsDAO execute getCustomerStatistics()
19. The class CustomerStatisticsDAO call the class CustomerStatistics
20. The class CustomerStatistics pack the information into a CustomerStatistics object
21. The class CustomerStatistics return the object to the class CustomerStatisticsDAO
22. The class CustomerStatisticsDAO return the result to the interface CustomerStatisticsView.jsp
23. The interface CustomerStatisticsView.jsp display the result to the management staff
24. The management staff click a customer
25. The interface CustomerStatisticsView.jsp call the interface CustomerInvoiceView.jsp
26. The interface CustomerInvoiceView.jsp call the class InvoiceDAO
27. The class InvoiceDAO execute getCustomerInvoice()
28. The class InvoiceDAO call the class Invoice
29. The class Invoice pack the information into an Invoice object
30. The class Invoice return the result to the class InvoiceDAO
31. The class InvoiceDAO return the result to the interface CustomerInvoiceView.jsp
32. The interface CustomerInvoiceView.jsp display the result
33. The management staff click an invoice
34. The interface CustomerInvoiceView.jsp call the interface InvoiceView.jsp
35. The interface InvoiceView.jsp call the class ItemOrder
36. The class ItemOrder execute the function getOrderDetail()
37. The class ItemOrder call the class Item
38. The class Item pack the information into an Item object
39. The class Item return the object to the class ItemOrderDAO
40. The class ItemOrderDAO call the class ItemOrder
41. The class ItemOrder pack the information into an ItemOrder object
42. The class ItemOrder return the result to the class ItemOrderDAO
43. The class ItemOrderDAO return the result to the interface InvoiceView.jsp
44. The interface InvoiceView.jsp display the result to the management staff

Sequence diagram

Module register as a member



Module view customer statistics by revenue

