

Restaurant Management System

Project Document submitted by

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Software Engineering Panel

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Abstract

Domino's Restaurant Management System gives following functions:

- ✓ Make Order Quickly
- ✓ Order can be make
- ✓ Day by day summery reports
- ✓ Summaries are viewing by pie charts & bar charts

Acknowledgment

First and foremost, my thanks and gratitude goes to my supervisor, Mr. Prasad Dammika Waduge for him support, assistance and accurate supervision.

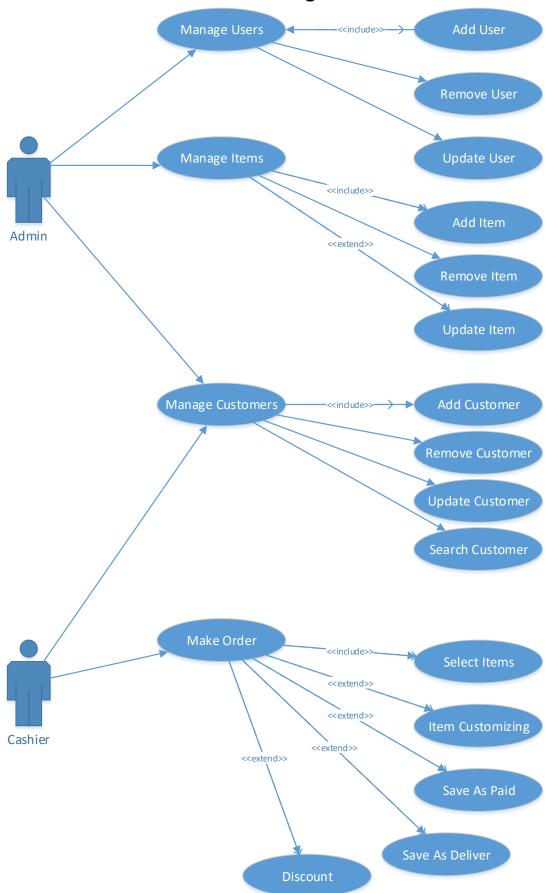
And also, I would like to thank Mr. Ramindu Samarawickrama for his JavaFX lessons & support, and all friends who develop project using JavaFX.

Also, my appreciation goes to my family for their prayers and unending support as well. My profound gratitude also goes to my lecturers who impacted knowledge into me.

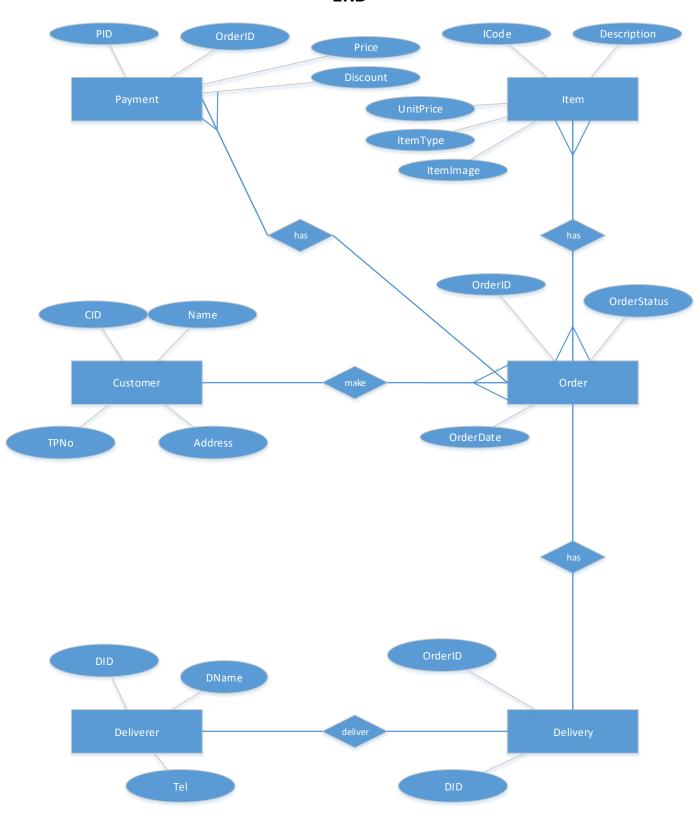
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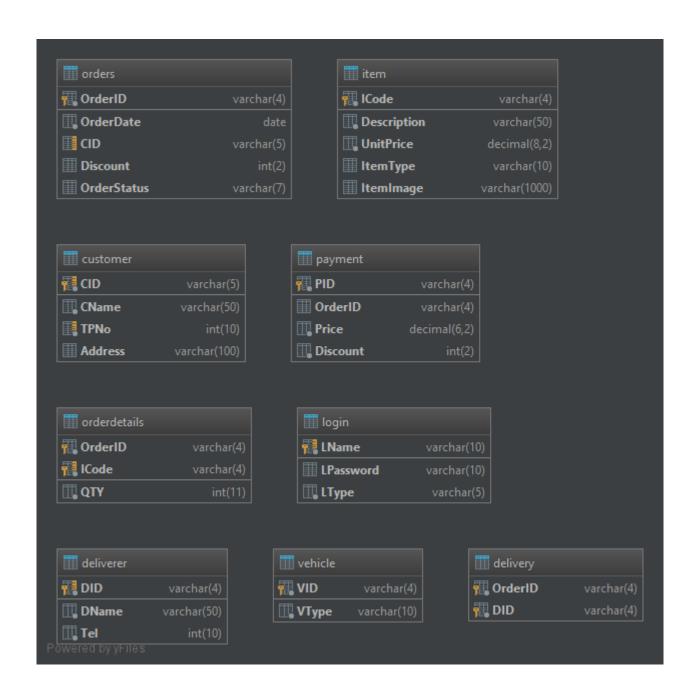
Use case Diagram



ERD

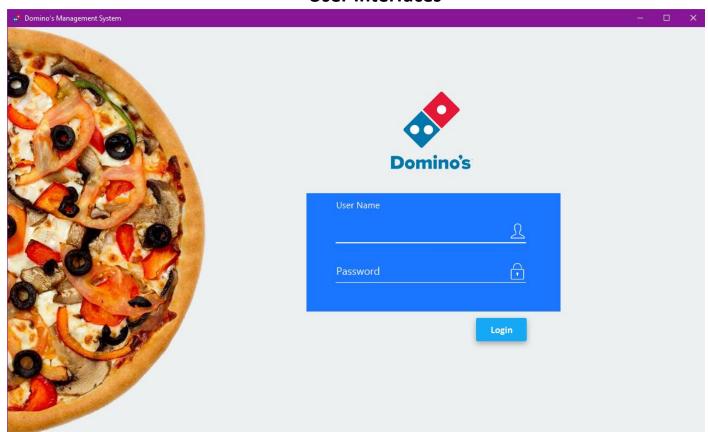


Logical Schema



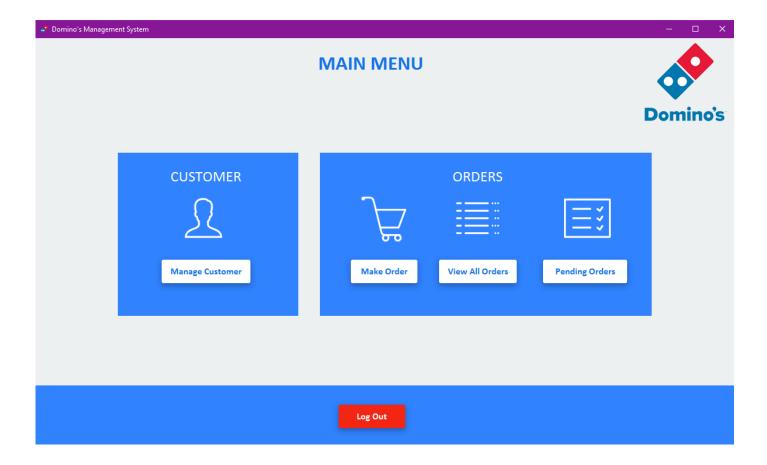
DOMINO'S MANAGEMENT SYSTEM

User Interfaces

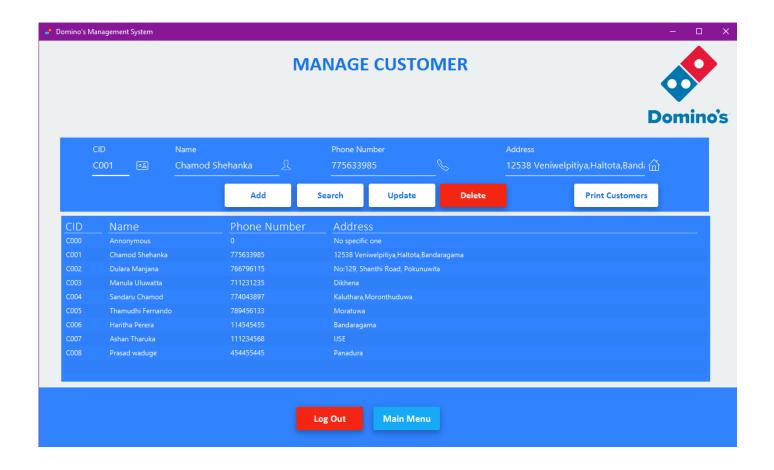


Use Case Name	User Login
Actor Involved	Admin or Cashier
Description	Registered users log in to the system using their login credentials.
Precondition	The user should have a valid user account before login & user privileges are depend on account type
Flow of Events	 Go to login window Enter user name and Password Then the system checks the username and password with registered user information If user login details are valid, create a home page based on user's user roles. If username and password are not valid user will get an error message.

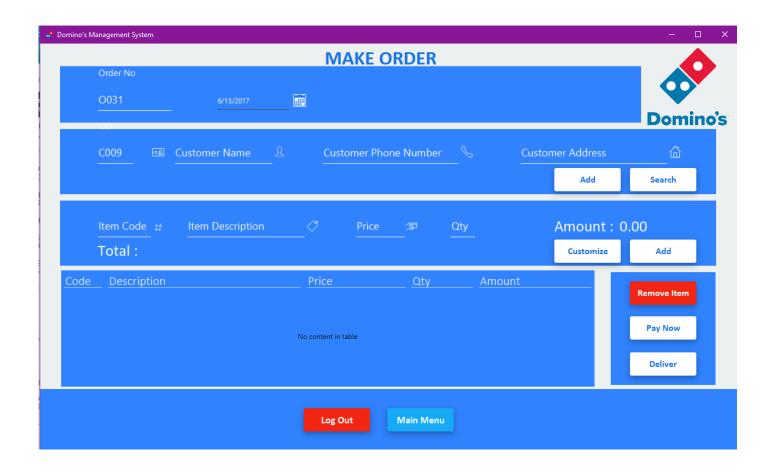
DOMINO'S MANAGEMENT SYSTEM



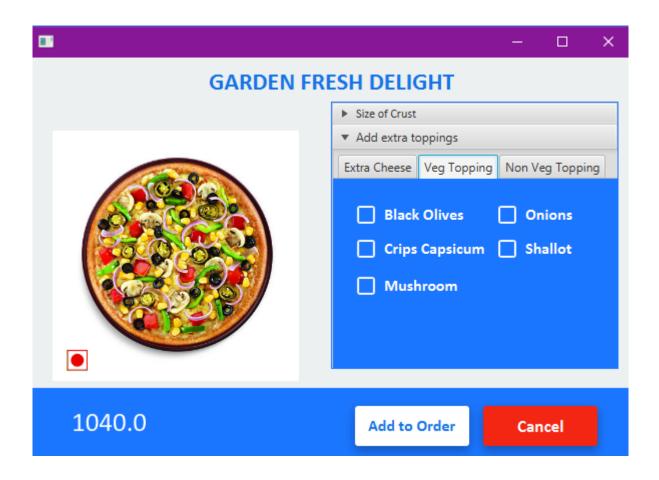
UI Name	Cashier Main Menu
Actor Involved	Cashier
Description	This window shows for cashier only
Precondition	The Cashier should have privileges to go selected window
Flow of Events	 Go to cashier main menu window Select one (Click) Then the system goes to selected window



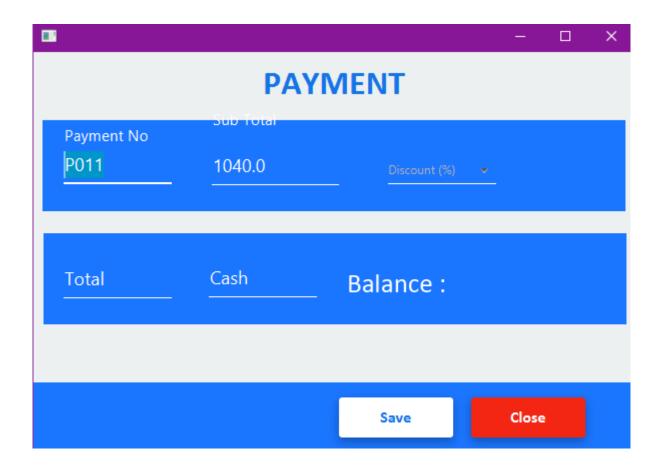
UI Name	Manage Customer
Actor Involved	Cashier or Admin
Description	User can add, search, update and delete customers
Precondition	The Cashier should have privileges to manage customers and print all
	customers
Flow of Events	Go to manage customer window
	Search customer using CID or name
	If customer not found user can add them or manage them



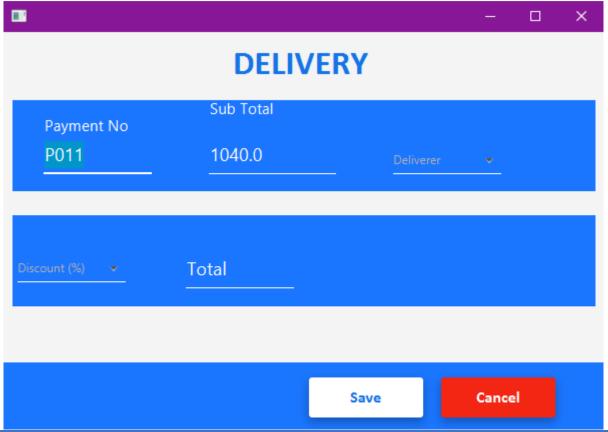
UI Name	Make Order
Actor Involved	Cashier
Description	User can make order and customize order
Precondition	Cashier should have search customer if customer not found then cashier should have added, Cashier should have search items using item code and customizing those items then pay now or deliver
Flow of Events	 Go to the make order window Search customer or add customer Then search items and input qty then user can customize each item via customizing window If order is completed user can go to next step Pay Now or Deliver



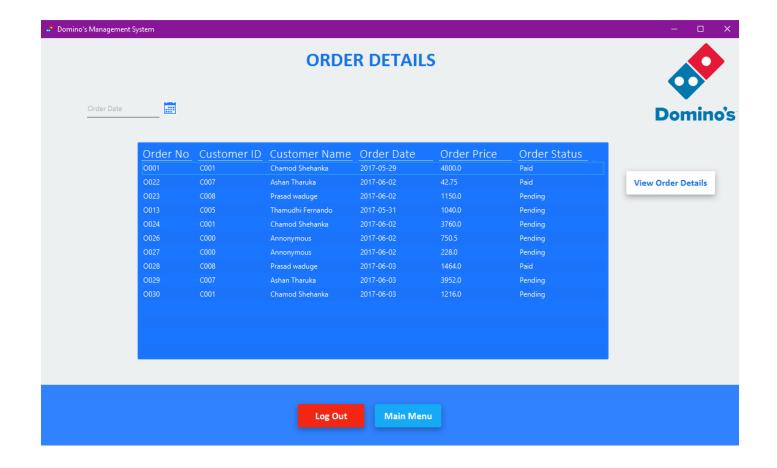
UI Name	Customize Items
Actor Involved	Cashier
Description	User can customize items by customer opinions
Precondition	Cashier should have customized items by customer ideas and opinions
Flow of Events	 Go to the customize window Click size of crust and choose one Then click add extra toppings and select them Now items have been successfully customized and cashier can update new details to order



UI Name	Payment
Actor Involved	Cashier
Description	User can put discount and save order
Precondition	Cashier should have privileges to put discount and save order
Flow of Events	 Go to the payment window Select discount Then total is visible Now cashier can input customer's cash amount and view balance Finally, cashier can save order



UI Name	Delivery
Actor Involved	Cashier
Description	User can put discount and save order
Precondition	Cashier should have privileges to put discount and save order
Flow of Events	 Go to the payment window Select deliverer Select discount Then total is visible Now cashier can input customer's cash amount and view balance Finally, cashier can save order



UI Name	Order Details
Actor Involved	Cashier & Admin
Description	User can view orders day by day & can view orders detail by each order
Precondition	User should have privileges to view orders all of time and day by day
Flow of Events	 Go to the order details Select row Click view order details Then View Order Details window is visible



PENDING ORDERS



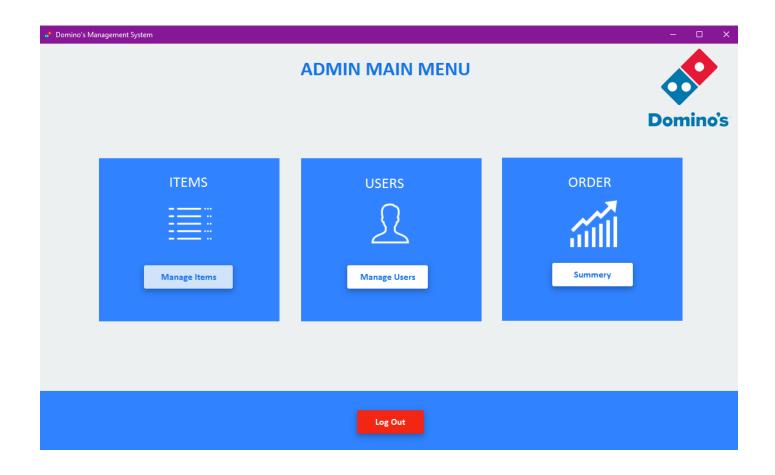
Order No	Customer Name Prasad waduge	Order Price
O013	Thamudhi Fernando	1040.0
O024	Chamod Shehanka	3760.0
O026	Annonymous	750.5
O027	Annonymous	228.0
O029	Ashan Tharuka	3952.0
O030	Chamod Shehanka	1216.0



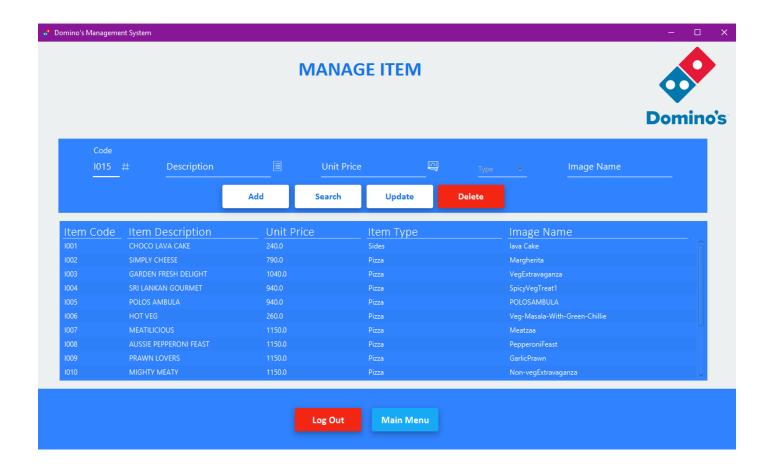
Log Out

Main Menu

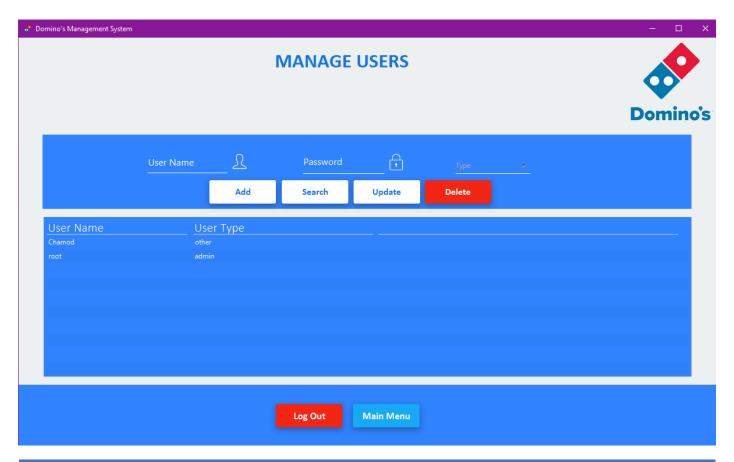
UI Name	Pending Orders
Actor Involved	Cashier & Admin
Description	User can view pending orders and can mark as paid each order (Pending orders means order added but not yet paid, delivering orders)
Precondition	User should have privileges to view pending orders and mark as paid
Flow of Events	 Go to the pending orders Select row Click Mark as Paid Then selected order is paid order and it hide from pending orders table



UI Name	Admin Main Menu
Actor Involved	Admin
Description	This window is shows admin only
Precondition	Admin should have privileges to select what him came for and select one
Flow of Events	 Go to admin main menu window Select one (Click) Then the system goes to selected window

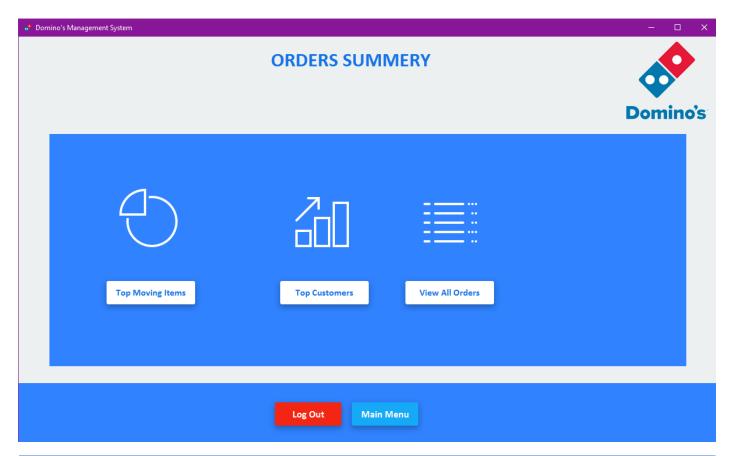


UI Name	Manage Item
Actor Involved	Admin
Description	This window is shows admin only and admin can add, search, update, delete items
Precondition	Admin should have privileges to add items, update item, delete item and search item
Flow of Events	Go to manage item windowSearch item via item code or manage item

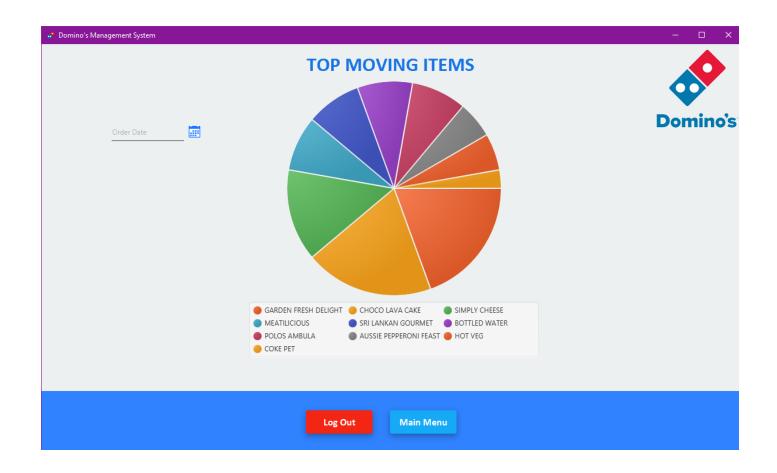


UI Name	Manage Users
Actor Involved	Admin
Description	This window is shows admin only and admin can add, search, update, delete users
Precondition	Admin should have privileges to add user, update user, delete user and search user
Flow of Events	 Go to manage user window Insert User Name Insert Password Choose account type Then Add

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UI Name	Order Summery
Actor Involved	Admin
Description	This window is shows admin only and admin can view orders summarizations
Precondition	Admin should have privileges to view order summarizations
Flow of Events	Go to order summeryInsert User Name
	Select one and click



UI Name	Top Moving Items
Actor Involved	Admin
Description	This window is shows admin only and admin can view top moving items all of time and day by day
Precondition	Admin should have privileges to view order summarizations
Flow of Events	 Go to order summery Select top moving item Then user can see top moving item all of time and user can view it as day by day using date picker



UI Name	Top Customers
Actor Involved	Admin
Description	This window is shows admin only and admin can view top customers all of time and day by day
Precondition	Admin should have privileges to view order summarizations
Flow of Events	 Go to order summery Select top customers Then user can view top moving item all of time Then user can change it to day by day using date picker

Security features of the software

User privilege parameters:

User privilege parameters are used to personalize features and security to individual users or user roles. These user privilege parameters are saved to a user's profile and accessible throughout every application.

Why is this so important? User privilege parameters are incredibly flexible. They can control an application's look and feel, add or hide user options, limit user capabilities, and more.

- Data Base Backup & Restore
- Users passwords protection