Software Design: Homework #1: Use Case Diagram

Homework Number: #1

Homework Start Date: 20240308 Homework Due Date: 20240310

Homework Submitted Date: 20240308

Student: 軟體系大三 蔡岳哲

Student ID: 411077010

Answer:

Requirements

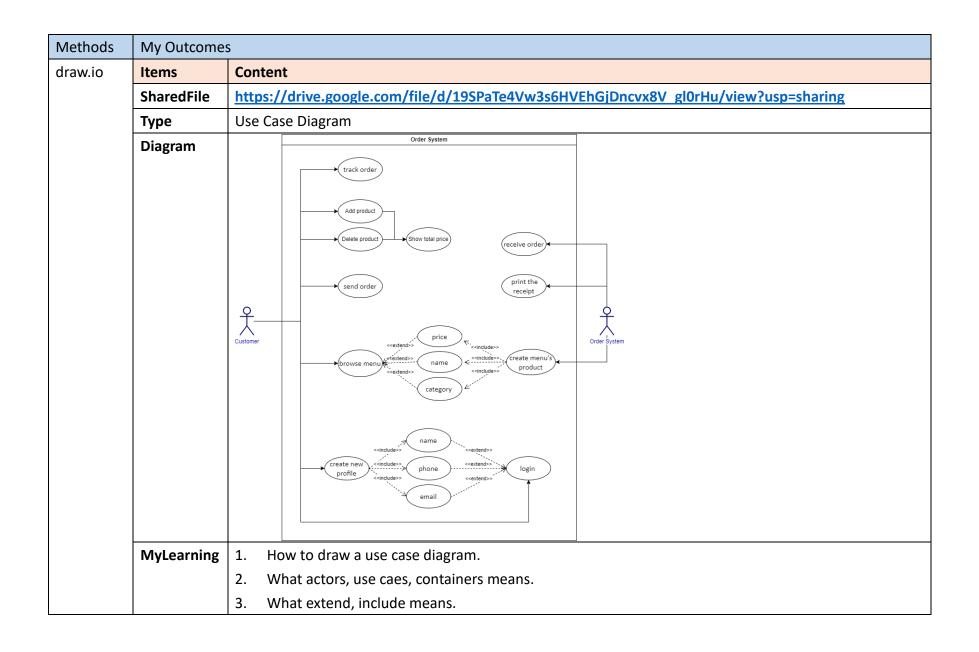
1. Customer can add or delete products into shopping cart.

- 2. Customer can browse menu.
- 3. Menu would had the price, name, category of products.
- 4. Customer can order py sending the shopping cart.
- 5. Order system can receive the order after customer send the order.
- 6. Shopping cart can show the total price and change it after added or deleted the products.
- 7. Order system can print the receipt after receiving the order.
- 8. Customer can create its own profile with name, phone, email.
- 9. Customer can login by entering email, phone.
- 10. Customer can track the order.

Keywords:

Shopping cart, menu, order system, customer profile, login, track order.

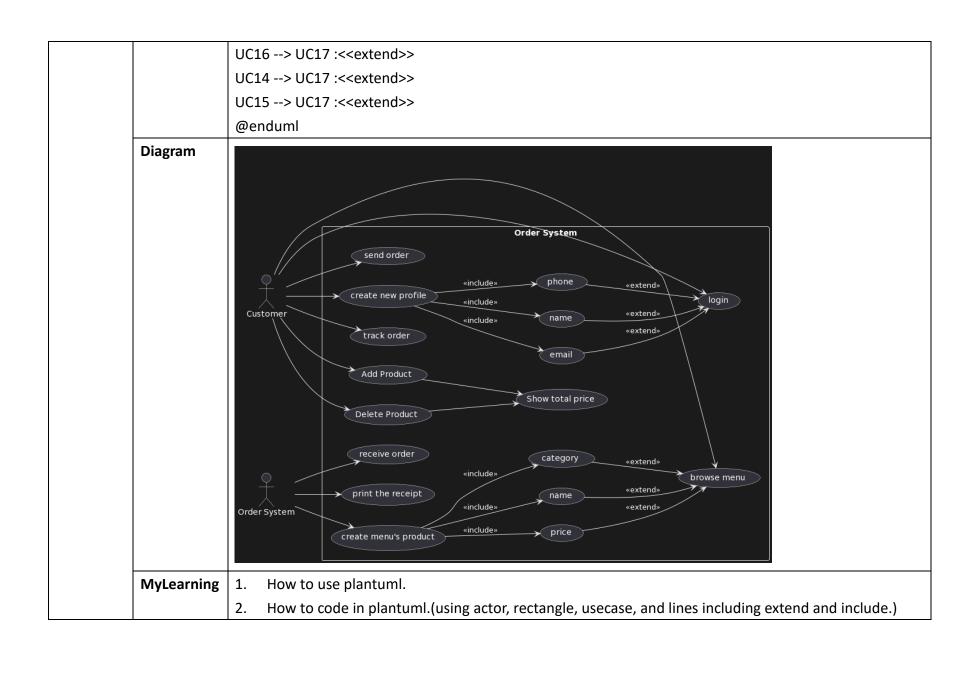
Use Case Diagram:



PlantUML	Items	Content
	SharedFile	http://www.plantuml.com/plantuml/dpng/TPBVRjiW5CRIUOgZtcoxg1JYFsccAkhKtMzIjGTWS9gWOR3
		WU5arxTrd6bCSQby1lzy77xPu22Gy3PrX1fy9o87NnnE1qXubQMSP4vASXySXaElGJykRRrwXXwUNGDZT
		W0Zm2Yvhnk9cOOy6o-1VDWIK8Y1y92 aBt1HVue7 7ZaMNvH2hvxfmP9aznc-HKD4XQ-
		olxfvCv0ZeI1tck9KwBE2OylzM-yQc-o3cZLbMkp6q-q17H2U3saJ sx7FdftNaSExJ39E-
		odDzedx4LNQ9yax4KX4VdNvBYC-LHqANbGu3-
		wcVmxRkSnNCCFMlprbCjrzSPzoTdttYJENP2cyJRp8qxQfluZlrZBBqRkBqzH5Y2RGcg4hGbk2i1B V4xjbxd62
		pm9PoVClOUB5fLO pAisZuCdiuVFzlRRI30eFXxdXctN5IxLFdnK5 Y6qwh9bioRueeYclYrjsP9LiwxgTwfDQb
		TUeburpR9v68UXC y1
	Туре	Use Case Diagram

```
Code
              @startuml
              left to right direction
              actor Customer
              actor "Order System" as OrderSystem
              rectangle "Order System" {
              usecase (track order) as UC1
              usecase (Add Product) as UC2
              usecase (Delete Product) as UC3
              usecase (Show total price) as UC4
              usecase (receive order) as UC5
              usecase (send order) as UC6
              usecase (print the receipt) as UC7
              usecase (browse menu) as UC8
              usecase (price) as UC9
              usecase (name) as UC10
              usecase (category) as UC11
              usecase (create menu's product) as UC12
              usecase (create new profile) as UC13
              usecase (name) as UC14
              usecase (phone) as UC15
              usecase (email) as UC16
              usecase (login) as UC17
```

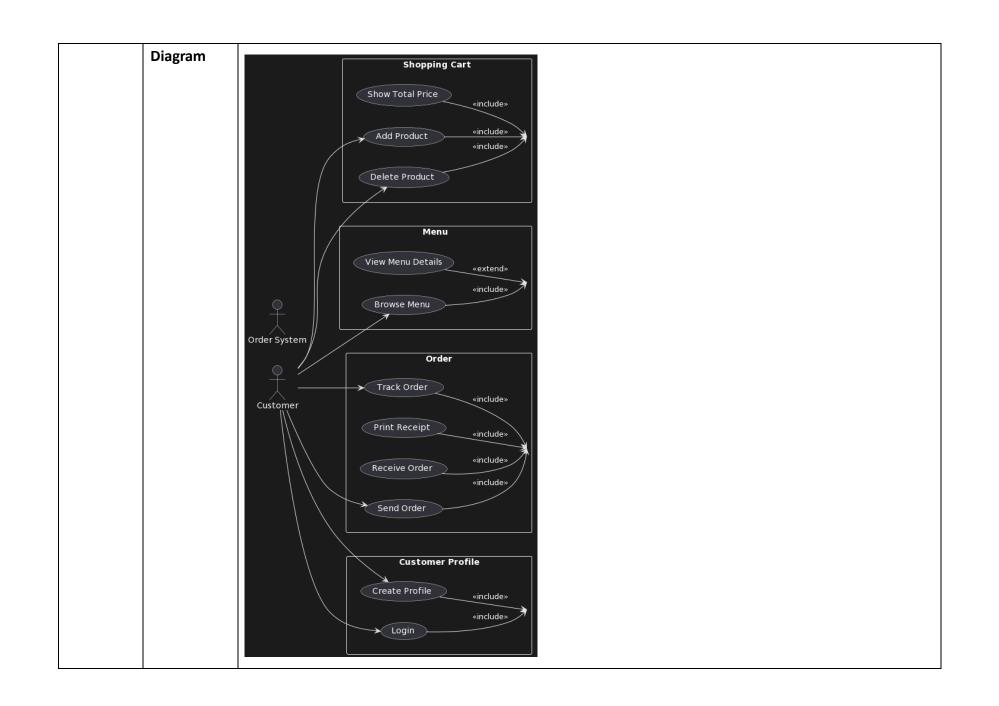
Customer --> UC1 Customer --> UC2 Customer --> UC3 Customer --> UC6 Customer --> UC8 Customer --> UC13 Customer --> UC17 OrderSystem --> UC5 OrderSystem --> UC7 OrderSystem --> UC12 UC2 --> UC4 UC3 --> UC4 UC12 --> UC9 :<<include>> UC12 --> UC10 :<<include>> UC12 --> UC11 :<<include>> UC9 --> UC8 :<<extend>> UC10 --> UC8 :<<extend>> UC11 --> UC8 :<<extend>> UC13 --> UC16 :<<include>> UC13 --> UC15 :<<include>> UC13 --> UC14 :<<include>>



PlantUML	Items	Content		
+ ChatGPT	SharedFile	https://chat.openai.com/share/fc6a8bbb-4978-4986-8a55-27eaa4eba1c6		
	Туре	Jse Case Diagram		
	ChatGPT	V3.5		
	Version			
	ChatGPT	Write an UML Use Case diagram and use PlantUML script.		
	Prompt	1. Customer can add or delete products into shopping cart.		
		2. Customer can browse menu.		
		3. Menu would had the price, name, category of products.		
		4. Customer can order py sending the shopping cart.		
		5. Order system can receive the order after customer send the order.		
		6. Shopping cart can show the total price and change it after added or deleted the products.		
		7. Order system can print the receipt after receiving the order.		
		8. Customer can create its own profile with name, phone, email.		
		9. Customer can login by entering email, phone.		
		10. Customer can track the order.		

```
ChatGPT
              @startuml
Code
              left to right direction
              actor Customer
              actor "Order System" as OrderSystem
              rectangle "Shopping Cart" {
                usecase (Add Product) as UC1
                usecase (Delete Product) as UC2
                usecase (Show Total Price) as UC6
              rectangle "Menu" {
                usecase (Browse Menu) as UC3
                usecase (View Menu Details) as UC11
              rectangle "Order" {
                usecase (Send Order) as UC4
                usecase (Receive Order) as UC5
                usecase (Print Receipt) as UC7
                usecase (Track Order) as UC10
              rectangle "Customer Profile" {
```

```
usecase (Create Profile) as UC8
  usecase (Login) as UC9
Customer --> UC1
Customer --> UC2
Customer --> UC3
Customer --> UC4
Customer --> UC8
Customer --> UC9
Customer --> UC10
UC1 --> "Shopping Cart" : <<include>>
UC2 --> "Shopping Cart" : <<include>>
UC3 --> "Menu" : <<include>>
UC4 --> "Order" : <<include>>
UC5 --> "Order" : <<include>>
UC6 --> "Shopping Cart" : <<include>>
UC7 --> "Order" : <<include>>
UC8 --> "Customer Profile" : <<include>>
UC9 --> "Customer Profile" : <<include>>
UC10 --> "Order" : <<include>>
UC11 --> "Menu" : <<extend>>
@enduml
```



MyLearning	1.	How to ask question so that GPT can generate the code I need.
	2.	That GPT can generate the umlcode very fast.
	3.	That GPT's code would not be always properly to my requirements.

Software Design: Homework #2: Activity Diagram

Homework Number: #2

Homework Start Date: 20240315 Homework Due Date: 20240317

Homework Submitted Date: 20240315

Student: 軟體系大三 蔡岳哲

Student ID: 411077010

Answer:

Requirements

1. Customer can add or delete products into shopping cart.

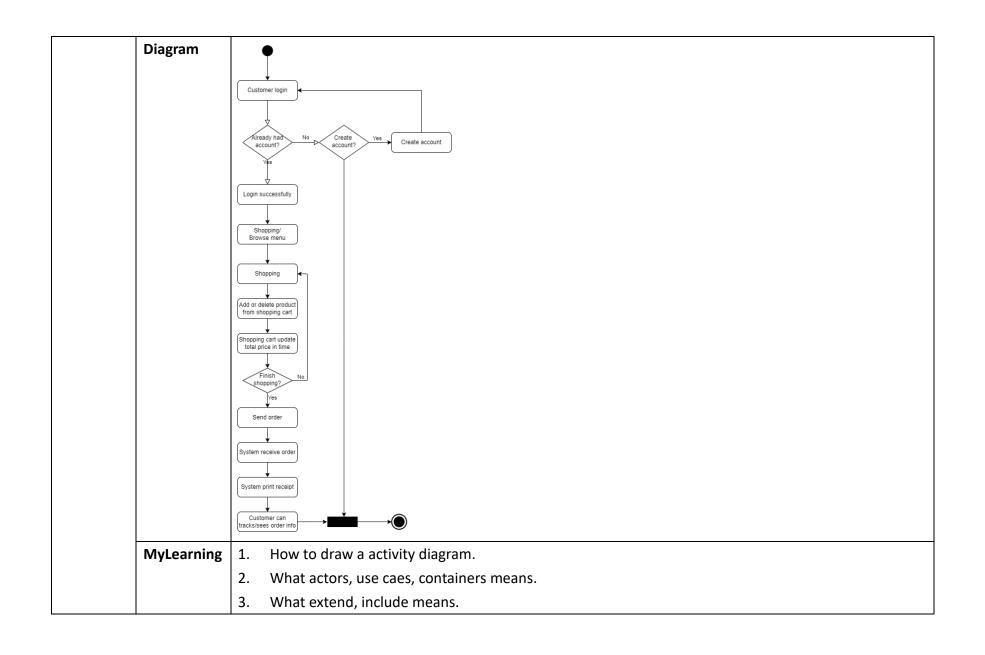
- 2. Customer can browse menu.
- 3. Menu would had the price, name, category of products.
- 4. Customer can order py sending the shopping cart.
- 5. Order system can receive the order after customer send the order.
- 6. Shopping cart can show the total price and change it after added or deleted the products.
- 7. Order system can print the receipt after receiving the order.
- 8. Customer can create its own profile with name, phone, email.
- 9. Customer can login by entering email, phone.
- 10. Customer can track the order.

Keywords:

Shopping cart, menu, order system, customer profile, login, track order.

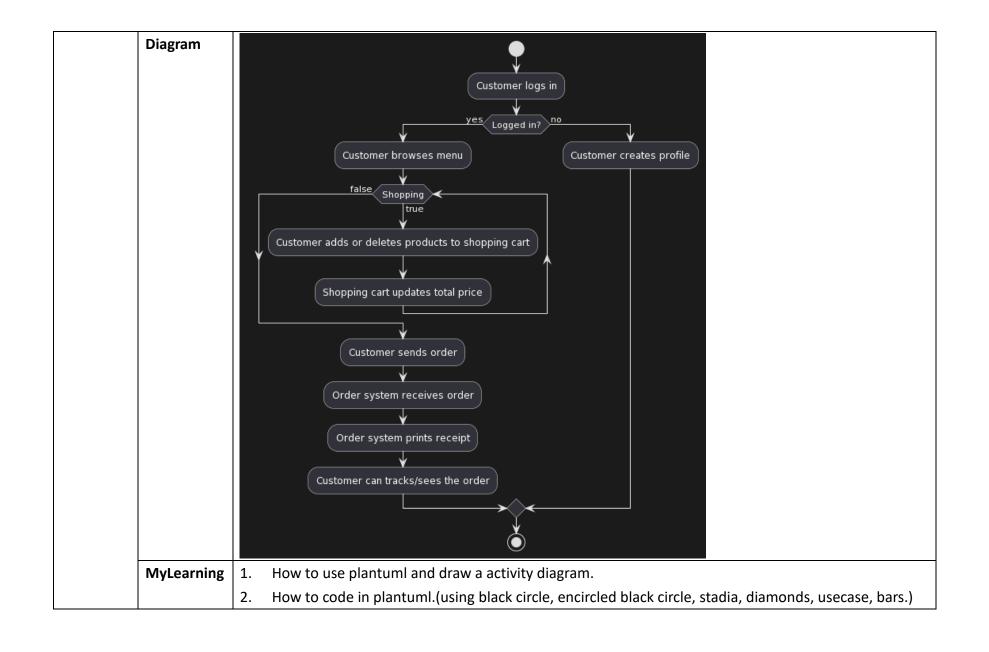
Activity Diagram:

Methods	My Outcomes	s		
draw.io	Items	Content		
	SharedFile	https://drive.google.com/file/d/1hPHPKBH-Nkox1al1X Q 4GcYuxEVbY66/view?usp=sharing		
	Туре	Activity Diagram		



PlantUML	Items	Content
	SharedFile	https://www.plantuml.com/plantuml/dpng/TOynRiCm34LtdOAZFNMIXmReMg13Jg1AtxPGMH98ga5kN
		obnqNZ8Hkg Hr8dKSjQjsXkXJ7czRsAvWrCCIz28Kqcp3Hyv6M1R-
		tRIBeYqN25Z8Red YV148RKXrQibb3H4qdDTSIaZBI45eKAxesgDelHVAJ1uH2g72sLUdGff9TfkSPPtkuldnZ
		MhnLj5XjR6vmQ5pI7u OBPHS3nLa6uhFNZgmMUllAwYs8ZX47xmD6yhaieTApeT1ZkRIDcwRtaHzADM 8
		r15D2GydWK67R ynmY6fPyc8rfSJ6drjGj W80
	Туре	Activity Diagram

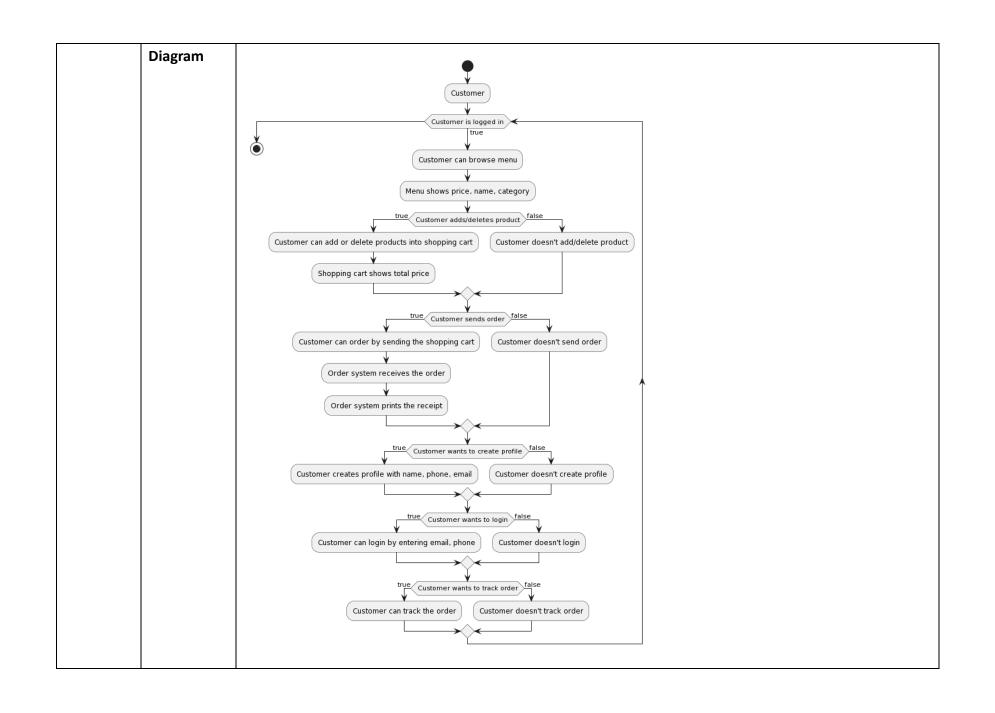
Code	@startuml
	start
	:Customer logs in;
	if (Logged in?) then (yes)
	:Customer browses menu;
	while (Shopping) is (true)
	:Customer adds or deletes products to shopping cart;
	:Shopping cart updates total price;
	endwhile (false)
	:Customer sends order;
	:Order system receives order;
	:Order system prints receipt;
	:Customer can tracks/sees the order;
	else (no)
	:Customer creates profile;
	endif
	stop
	@enduml



PlantUML	Items	Content		
+ ChatGPT	SharedFile	https://chat.openai.com/share/92cc741e-cf9a-4253-bcbf-024d9c109041		
	Туре	Activity Diagram		
	ChatGPT	V3.5		
	Version			
	ChatGPT	Write an UML Activity diagram and use PlantUML script. Please be careful of syntax error such as "(Login)		
	Prompt	> Customer "		
		1. Customer can add or delete products into shopping cart.		
		2. Customer can browse menu.		
		3. Menu would had the price, name, category of products.		
		4. Customer can order py sending the shopping cart.		
		5. Order system can receive the order after customer send the order.		
		6. Shopping cart can show the total price and change it after added or deleted the products.		
		7. Order system can print the receipt after receiving the order.		
		8. Customer can create its own profile with name, phone, email.		
		9. Customer can login by entering email, phone.		
		10. Customer can track the order.		

```
ChatGPT
              @startuml
Code
              start
              :Customer;
              while (Customer is logged in) is (true)
                 :Customer can browse menu;
                 :Menu shows price, name, category;
                 if (Customer adds/deletes product) then (true)
                   :Customer can add or delete products into shopping cart;
                   :Shopping cart shows total price;
                 else (false)
                   :Customer doesn't add/delete product;
                 endif
                 if (Customer sends order) then (true)
                   :Customer can order by sending the shopping cart;
                   :Order system receives the order;
                   :Order system prints the receipt;
                 else (false)
                   :Customer doesn't send order;
                endif
                 if (Customer wants to create profile) then (true)
                   :Customer creates profile with name, phone, email;
                 else (false)
                   :Customer doesn't create profile;
                 endif
                 if (Customer wants to login) then (true)
```

```
:Customer can login by entering email, phone;
else (false)
:Customer doesn't login;
endif
if (Customer wants to track order) then (true)
:Customer can track the order;
else (false)
:Customer doesn't track order;
endif
endwhile
stop
@enduml
```



MyLearning	1.	That GPT can generate the plantUML's code very fast.
	2.	That GPT's code may be wrong sometime that I need to change the question's description.

Software Design: Homework #3: Class Diagram

Homework Number: #3

Homework Start Date: 20240322 Homework Due Date: 20240324

Homework Submitted Date: 20240322

Student: 軟體系大三 蔡岳哲

Student ID: 411077010

Answer:

Requirements

1. Customer can add or delete products into shopping cart.

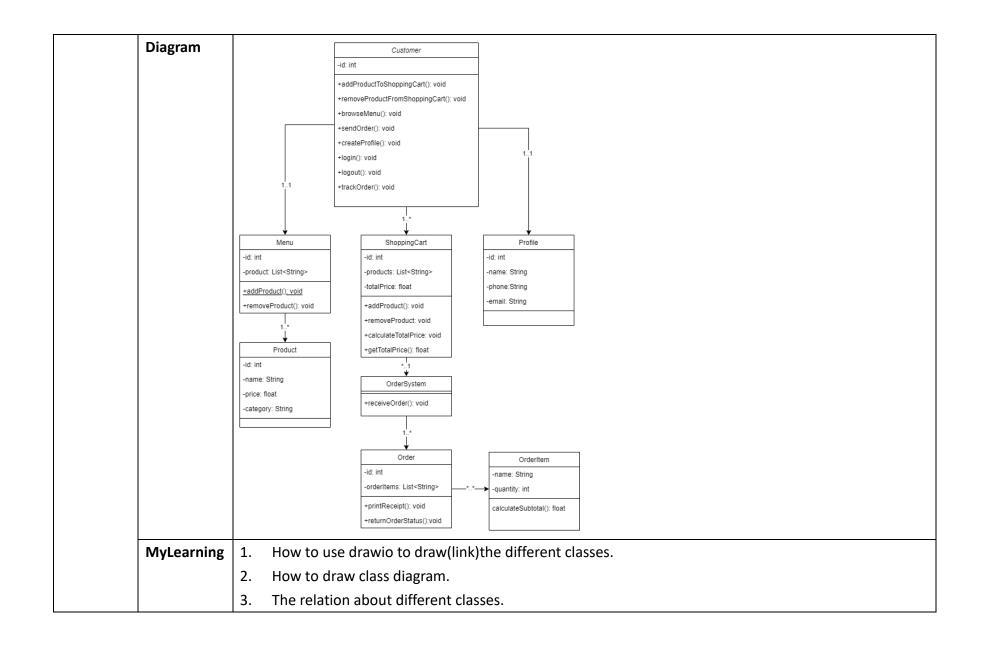
- 2. Customer can browse menu.
- 3. Menu would had the price, name, category of products.
- 4. Customer can order py sending the shopping cart.
- 5. Order system can receive the order after customer send the order.
- 6. Shopping cart can show the total price and change it after added or deleted the products.
- 7. Order system can print the receipt after receiving the order.
- 8. Customer can create its own profile with name, phone, email.
- 9. Customer can login by entering email, phone.
- 10. Customer can track the order.

Keywords:

Shopping cart, menu, order system, customer profile, login, track order.

Class Diagram:

Methods	My Outcome:	s		
draw.io	Items	Content		
	SharedFile	https://drive.google.com/file/d/1MIRF8H2VLTDBz4CwjPOTmFx3qTE4-KGY/view?usp=sharing		
	Туре	Class Diagram		

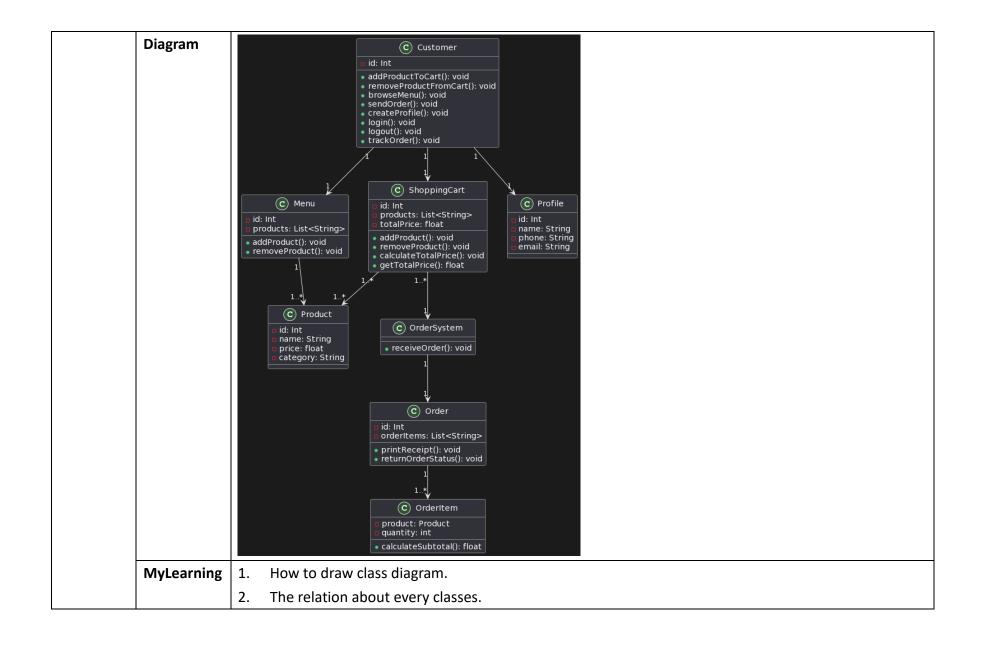


PlantUML	Items	Content
	SharedFile	https://www.plantuml.com/plantuml/duml/bLJRQjmm47ttLuXzSYyExQie8H0e15fsgVC3YZHnH7LnfT6M
		4FhljILPHC8XoJvuLtEEPkRC6U-LH-OmQDLnnRmdry6ZrU38KqUMpo059JS6qy4m3PlCwAIPKcH-
		iAO9WMPILQ5FJ8YJio9mlBNNp64 fnCbEVo1ahEL8h4TQ7k6Z7ntLhz-vSxPlnv-
		WWczNXwKh3yhXWSZZaw0wwimTy1mhNKl5VJFzNqcHLiwLhgg9CfEqlGHFxfJkTNlq37-
		E LWroSbyR1n dNPWl71plDoUPMzQqCUXQVaX JuBG aCe5eaQcJanmekLUMOMj1 AmczamnODY2B
		SbPKsO02ierlj2eWdl4 3-Jakn3BnrRzi13PmXJDOz5bx975tQpHjjl47GcvBZ5iXQbZ86Vm47EU-
		q7DdZer uv6aJkN3Fy8OjAQMspjeN94N 16PGuY9B6cny7SDTt9RAkl87SFXw8CDmkNvNAxdBIEtiG djsW
		MVpw3hgiqlh2yN5nyFHLKNj-ebCAPhqJAgxWgC25hz1m00
	Туре	Class Diagram

```
Code
              @startuml
              class Customer {
                   -id: Int
                   +addProductToCart(): void
                   +removeProductFromCart(): void
                   +browseMenu(): void
                   +sendOrder(): void
                   +createProfile(): void
                   +login(): void
                   +logout(): void
                   +trackOrder(): void
              class ShoppingCart {
                   -id: Int
                   -products: List<String>
                   -totalPrice: float
                   +addProduct(): void
                   +removeProduct(): void
                   +calculateTotalPrice(): void
                   +getTotalPrice(): float
              class Menu {
                   -id: Int
```

```
-products: List<String>
    +addProduct(): void
    +removeProduct(): void
class Product {
    -id: Int
    -name: String
    -price: float
    -category: String
class Order {
    -id: Int
    -orderItems: List<String>
    +printReceipt(): void
    +returnOrderStatus(): void
class OrderSystem {
    +receiveOrder(): void
class OrderItem {
    -product: Product
```

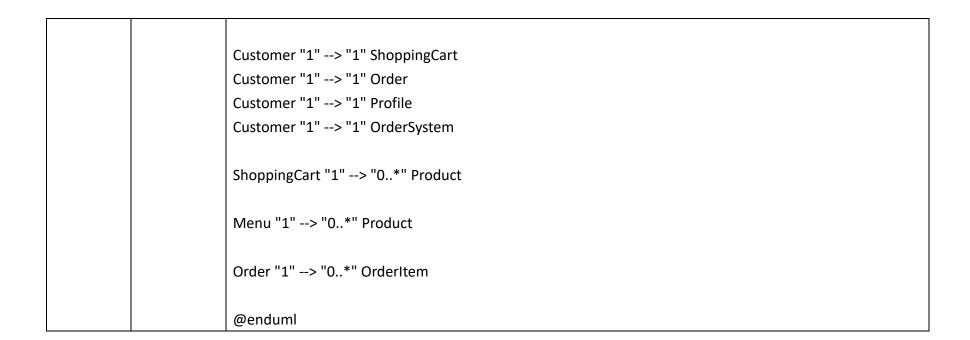
```
-quantity: int
    +calculateSubtotal(): float
class Profile{
    -id: Int
    -name: String
    -phone: String
    -email: String
Customer "1" --> "1" ShoppingCart
Customer "1" --> "1" Profile
Customer "1" --> "1" Menu
ShoppingCart "1..*" --> "1" OrderSystem
ShoppingCart "1..*" --> "1..*" Product
Menu "1" --> "1..*" Product
OrderSystem"1" --> "1" Order
Order "1" --> "1..*" OrderItem
@enduml
```

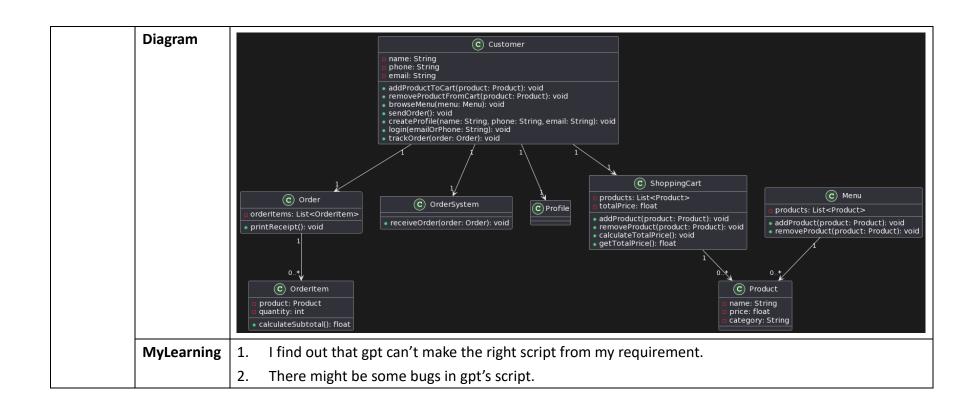


PlantUML	Items	Content		
+ ChatGPT	SharedFile	https://chat.openai.com/share/fbac65c3-77b2-4c51-8c11-0a4c705f920b		
	Туре	Class Diagram		
	ChatGPT	V3.5		
	Version			
	ChatGPT	Please write an uml class diagram and use PlantUML script.		
	Prompt	1. Customer can add or delete products into shopping cart.		
		2. Customer can browse menu.		
		3. Menu would had the price, name, category of products.		
		4. Customer can order py sending the shopping cart.		
		5. Order system can receive the order after customer send the order.		
		6. Shopping cart can show the total price and change it after added or deleted the products.		
		7. Order system can print the receipt after receiving the order.		
		8. Customer can create its own profile with name, phone, email.		
		9. Customer can login by entering email, phone.		
		10. Customer can track the order.		

```
ChatGPT
              @startuml
Code
              class Customer {
                   -name: String
                   -phone: String
                   -email: String
                   +addProductToCart(product: Product): void
                   +removeProductFromCart(product: Product): void
                  +browseMenu(menu: Menu): void
                   +sendOrder(): void
                   +createProfile(name: String, phone: String, email: String): void
                   +login(emailOrPhone: String): void
                  +trackOrder(order: Order): void
              class ShoppingCart {
                   -products: List<Product>
                   -totalPrice: float
                   +addProduct(product: Product): void
                   +removeProduct(product: Product): void
                   +calculateTotalPrice(): void
                   +getTotalPrice(): float
              class Menu {
```

```
-products: List<Product>
    +addProduct(product: Product): void
    +removeProduct(product: Product): void
class Product {
    -name: String
    -price: float
    -category: String
class Order {
    -orderItems: List<OrderItem>
    +printReceipt(): void
class OrderSystem {
    +receiveOrder(order: Order): void
class OrderItem {
    -product: Product
    -quantity: int
    +calculateSubtotal(): float
```





Software Design: Homework #4: Statechart Diagram

Homework Number: #4

Homework Start Date: 20240329 Homework Due Date: 20240331

Homework Submitted Date: 20240329

Student: 軟體系大三 蔡岳哲

Student ID: 411077010

Answer:

Requirements

1. Customer can add or delete products into shopping cart.

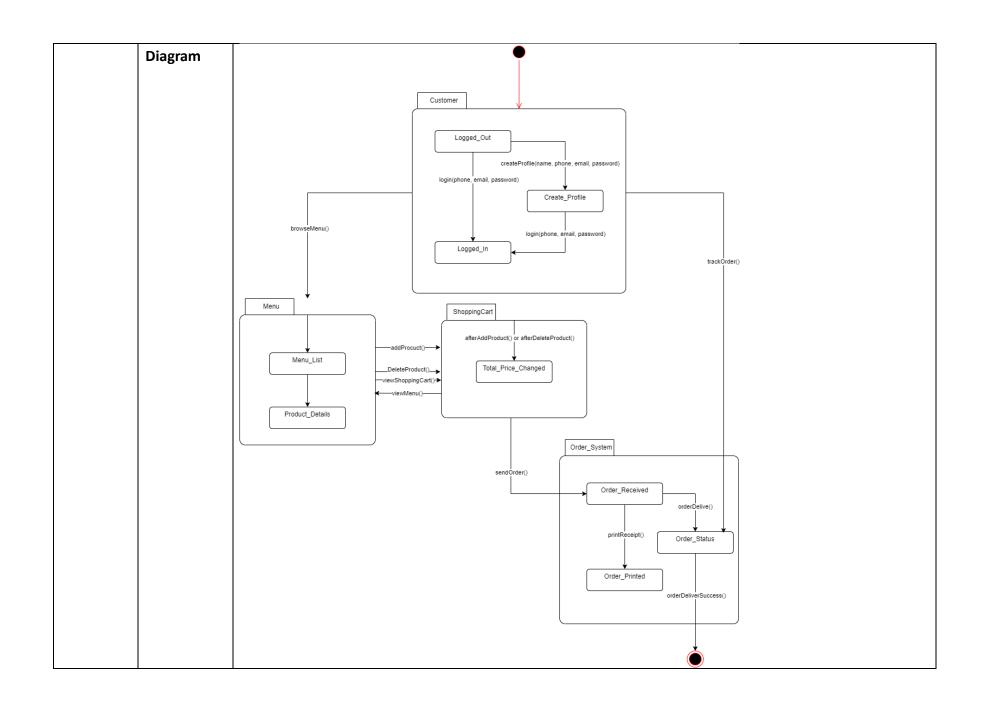
- 2. Customer can browse menu.
- 3. Menu would had the price, name, category of products.
- 4. Customer can order py sending the shopping cart.
- 5. Order system can receive the order after customer send the order.
- 6. Shopping cart can show the total price and change it after added or deleted the products.
- 7. Order system can print the receipt after receiving the order.
- 8. Customer can create its own profile with name, phone, email.
- 9. Customer can login by entering email, phone.
- 10. Customer can track the order.

Keywords:

Shopping cart, menu, order system, customer profile, login, track order.

Statechart Diagram:

Methods	My Outcomes	
draw.io	Items	Content
	SharedFile	https://drive.google.com/file/d/1m3j32XqV8 Ht3WkDDycM3nHKuA0PcWdN/view?usp=sharing
	Туре	Statechart Diagram



	MyLearning	1. How to draw state chart diagram.	
		2. Plant uml is more easy to do diagram.(By coding)	
PlantUML	Items	Content	
	SharedFile	https://www.plantuml.com/plantuml/uml/jPJ1JiCm38RIVOeS1s8Im04DoWK9j8djXb0L6jD5j4cLkfiGujs9	
		LtUhfKo20xii ID jXKdNNIe0 PDdMKlbwzgFhzHUT-	
		XRo1aMTn3ECRgArFnDzeUVLM1APOzaZm9fxiFJbshsbVMpQ3HjhvlxTOxk4WXUG2DKAo2VxSrHAua0JYU	
		ETt0WCS e6H35edziJXvYBWBVjzPLnLFuFf8lL4C5Cm6kpGGSciCnR6kwKkCZ3Q60sQa8rd7G0q80akKMczz	
		svAlwq2LTXRseqOIWzAMAaSWBSy2os0W56jmLAO3Pmu2soUR9-	
		ypb61tOA8_34k92Cy9MmNh48XgQNLmj2WejX14b-vCnnkFkYPl2KM-rQwYf68MoeVKEIV9tv-	
		sl43SyYReyYFQ8eMq78_YUtnBTFZyZexJvQwAUq1jwuuhiihYD0UFuRD3Q3YNaFvjDjJ2yMD0ziHZaGRHbx	
		nGsl86zDtv0G00	
	Туре	Statechart Diagram	

```
Code
              @startuml
              [*] --> Customer
              state Customer {
                   Logged_Out --> Logged_In : login(email, phone, password)
                   Logged Out --> Create Profile: createProfile(name, phone, email, password)
                   Create Profile --> Logged In: login(email, phone, password)
              state Menu {
                   Menu --> Menu_List : browsingMenu()
                   Menu_List --> Product_Details : viewProductDetails()
              state ShoppingCart {
                   ShoppingCart --> Total_Price_Changed : afterAddProduct() or afterDeleteProduct()
              state Order_System {
                   ShoppingCart --> Order_Received : sendOrder()
                   Order Received --> Order Printed : printReceipt()
                   Order_Received --> Order_Status : orderDelive()
                   Order_Status --> [*]: orderDeliverSuccess()
```

Customer --> Menu : browseMenu()

Menu --> ShoppingCart : viewShoppingCart()

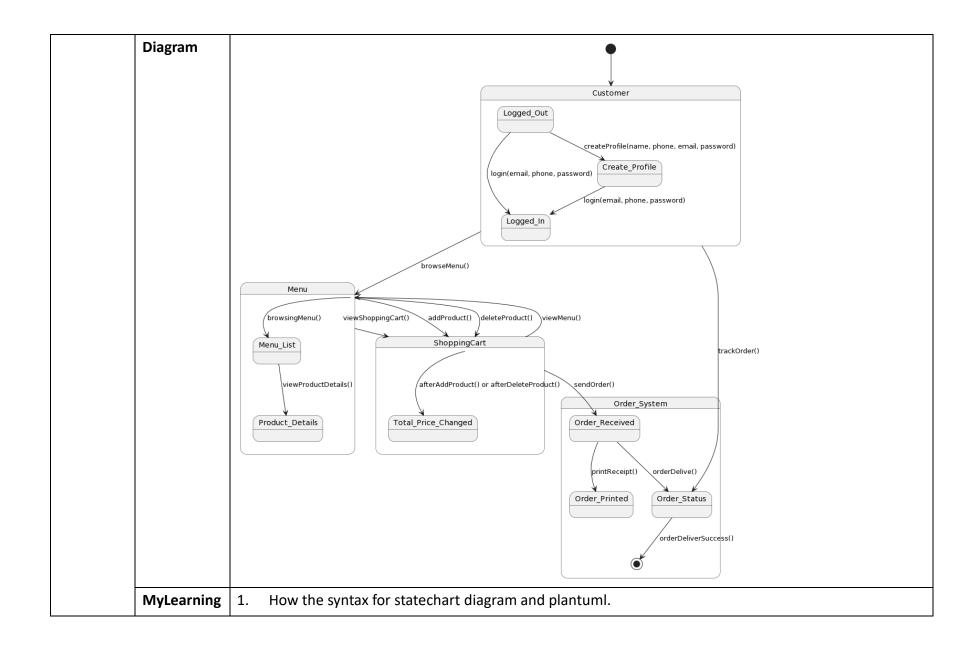
Menu --> ShoppingCart : addProduct()

Menu --> ShoppingCart : deleteProduct()

ShoppingCart --> Menu : viewMenu()

Customer --> Order_Status : trackOrder()

@enduml



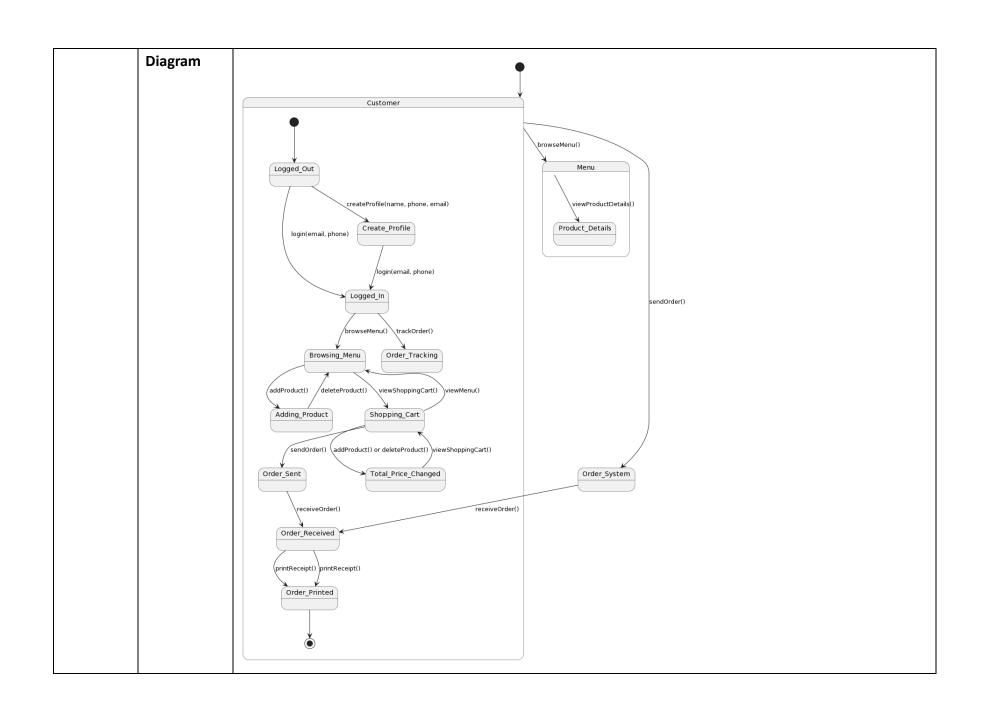
PlantUML	Items	Content
+ ChatGPT	https://chat.openai.com/share/c83d68f4-b7c9-44e1-b834-b92a90f71793	
	Statechart Diagram	
ChatGPT V3.5		V3.5
	Version	
	ChatGPT	Write an UML Statechart diagram and use PlantUML script.
	Prompt	1. Customer can add or delete products into shopping cart.
		2. Customer can browse menu.
		3. Menu would had the price, name, category of products.
		4. Customer can order py sending the shopping cart.
		5. Order system can receive the order after customer send the order.
		6. Shopping cart can show the total price and change it after added or deleted the products.
		7. Order system can print the receipt after receiving the order.
		8. Customer can create its own profile with name, phone, email.
		9. Customer can login by entering email, phone.
		10. Customer can track the order.
		thanks

```
ChatGPT
              @startuml
Code
              [*] --> Customer
              state Customer {
                  [*] --> Logged Out
                  Logged Out --> Logged In : login(email, phone)
                  Logged Out --> Create Profile: createProfile(name, phone, email)
                  Create Profile --> Logged In: login(email, phone)
                  Logged In --> Browsing Menu: browseMenu()
                  Browsing_Menu --> Adding_Product : addProduct()
                  Adding_Product --> Browsing_Menu : deleteProduct()
                  Browsing Menu --> Shopping Cart : viewShoppingCart()
                  Shopping Cart --> Browsing Menu: viewMenu()
                  Shopping_Cart --> Order_Sent : sendOrder()
                  Order_Sent --> Order_Received : receiveOrder()
                  Order Received --> Order Printed: printReceipt()
                  Order Printed --> [*]
                  Shopping_Cart --> Total_Price_Changed : addProduct() or deleteProduct()
                  Total_Price_Changed --> Shopping_Cart : viewShoppingCart()
                  Logged In --> Order Tracking : trackOrder()
              state Menu {
                  Menu --> Product Details : viewProductDetails()
```

```
state Order_System {
    Order_System --> Order_Received : receiveOrder()
    Order_Received --> Order_Printed : printReceipt()
}

Customer --> Menu : browseMenu()
Customer --> Order_System : sendOrder()

@enduml
```



MyLearning	1.	How the state chart diagram works.
	2.	How state works and means.

Software Design: Homework #5: Sequence Diagram

Homework Number: #5

Homework Start Date: 20240405 Homework Due Date: 202400407

Homework Submitted Date: 20240407

Student: 軟體系大三 蔡岳哲

Student ID: 411077010

Answer:

Requirements

1. Customer can add or delete products into shopping cart.

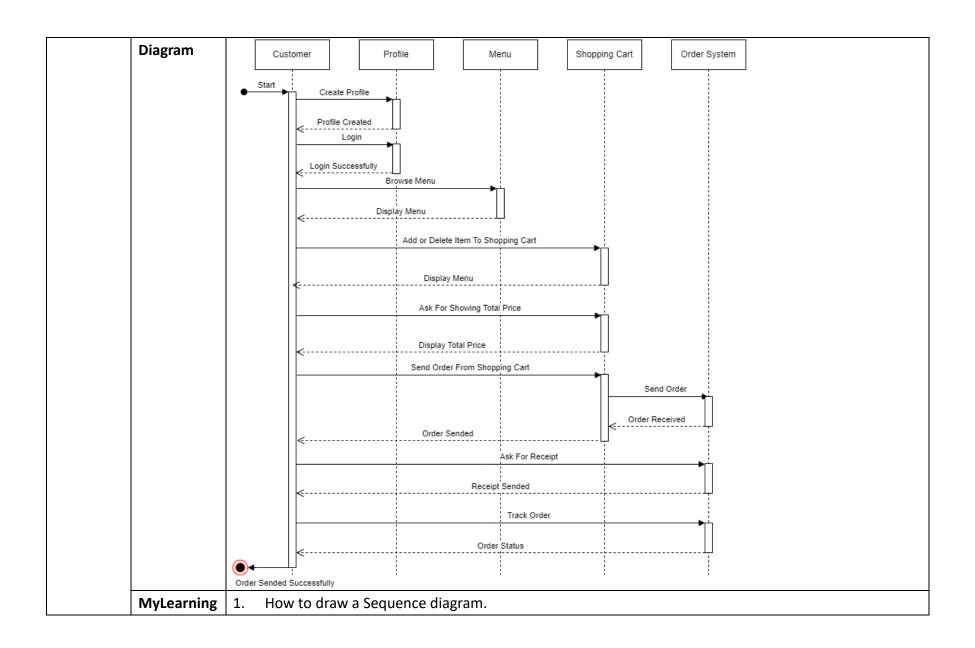
- 2. Customer can browse menu.
- 3. Menu would had the price, name, category of products.
- 4. Customer can order py sending the shopping cart.
- 5. Order system can receive the order after customer send the order.
- 6. Shopping cart can show the total price and change it after added or deleted the products.
- 7. Order system can print the receipt after receiving the order.
- 8. Customer can create its own profile with name, phone, email.
- 9. Customer can login by entering email, phone.
- 10. Customer can track the order.

Keywords:

Shopping cart, menu, order system, customer profile, login, track order.

Sequence Diagram:

Methods	My Outcomes	
draw.io	Items	Content
	SharedFile	https://drive.google.com/file/d/1qGj-gZOyPdJ9buH-o QDCqOHp7CAhP37/view?usp=sharing
	Туре	Sequence Diagram



PlantUML	Items	Content
	SharedFile	https://www.plantuml.com/plantuml/uml/ZPNTZjem48NlynJd0Gfl zjShBPbLQblgw9bNy0R3s1jOaVsf8
		YthqTEqZXi43SapC-SptEmk0-
		iF7TDNHHjV36LQPLbRBh0hY6V1RVUxKrDMUmtsluBx8wkROqzR68il pnclpk79YQeh2E2JNj6Mu YfLlr-
		CxAcLHUL9CC1pWJXPjqiV9y15MDVG6xT7P-
		A16cNfTZCshkm6sn2OD6U3x9rQnPXGUidsnNW9yDmEitS5OF9z1bid7KoUldci1w9SqBN34t84qVjeb0hoV
		8JnxTmg4XcoNwuap9Rwdj7mfv6Eczs12MwjpoYz9VfX9AgtXF3JLn2IkwAxY06FP8VJsnqBF6L3sooZnBGxPf
		jPYcia1Xn8f9trbt4E2kNrYwbYs6X Ns4qF8qUNuvt0Hm8xLZLQRog2iXhLKTa3mJ3KdidBZcYo9IrDuwgkxYM
		yu4ViUn81R4L0AawnuCgfNYjVFDcdcPzERYRQCm9P7Hk5zNOZTx4fNUuPtztqoiUzrwgY5Ch9fcKeyNcT0W
		Wf8eIUAZ9 IS1wshJbQg0lyl PTJ4TkRf0JlCVqr2zJ5FYooMCc6vPn19MErYU8AF812JRMpPvyFcndx6LgHVS
		OtkP2aWF3SMYILzdzh9NrSjDJ4zIcKBB9CFwTgou2qLnJrRB yS
	Туре	Sequence Diagram

Code @startuml participant Customer participant Profile participant Menu participant ShoppingCart participant OrderSystem note left of Customer:1. Customer can create its own profile with name, phone, email. Customer -> Profile: Create Profile Profile --> Customer: Profile Created note left of Customer:2. Customer can login by entering email, phone. Customer -> Profile: Login Profile --> Customer: Logged In note left of Customer: 3. Customer can browse menu. Customer -> Menu: Browse Menu Menu --> Customer: Display Menu note left of Customer: 4. Customer can add or delete products into shopping cart. Customer -> ShoppingCart: Add Product ShoppingCart --> Customer: Product Added Customer -> ShoppingCart: Delete Product ShoppingCart --> Customer: Product Deleted

note left of Customer: 5. Shopping cart can show the total price and change it after added or deleted the products.

Customer -> ShoppingCart: Ask For Total Price Showing

ShoppingCart --> Customer: Total Price Showing

note left of Customer: 6. Customer can order py sending the shopping cart.

Customer -> ShoppingCart: Send Order ShoppingCart -> OrderSystem: Place Order

note left of OrderSystem: 7. Order system can receive the order after customer send the order.

OrderSystem --> ShoppingCart: Order Received

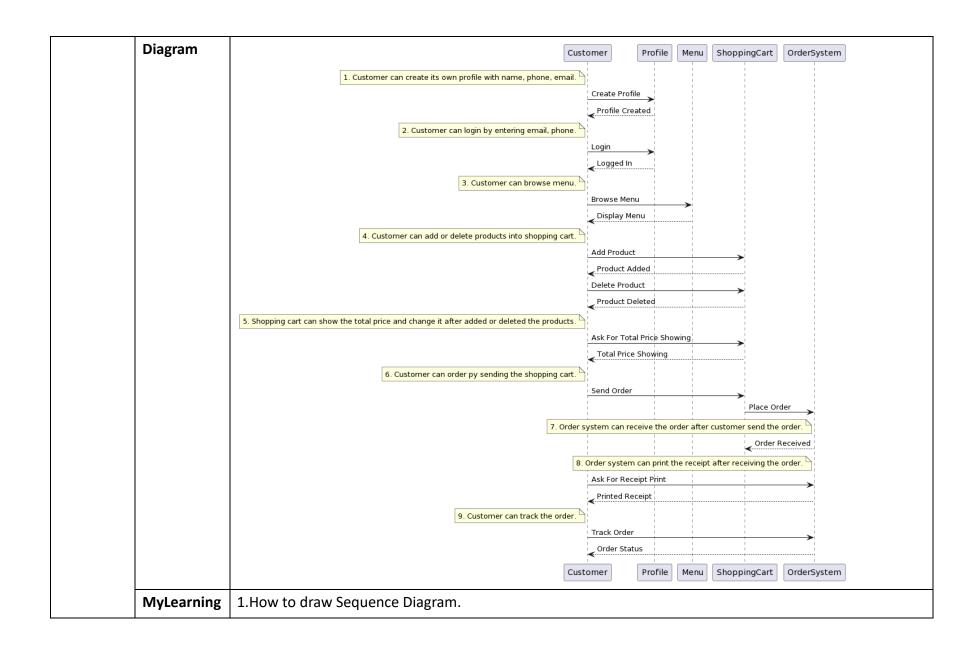
note left of OrderSystem: 8. Order system can print the receipt after receiving the order.

Customer -> OrderSystem: Ask For Receipt Print OrderSystem --> Customer : Printed Receipt

note left of Customer: 9. Customer can track the order.

Customer -> OrderSystem: Track Order
OrderSystem --> Customer: Order Status

@enduml



PlantUML	Items	Content		
+ ChatGPT	SharedFile	https://chat.openai.com/share/30bdf500-00a9-4c11-a8a0-57f905f2f82e		
	Туре	Sequence Diagram		
	ChatGPT	V3.5		
	Version			
	ChatGPT	Write an UML Sequence diagram and use PlantUML script.		
	Prompt	1. Customer can add or delete products into shopping cart.		
		2. Customer can browse menu.		
		3. Menu would had the price, name, category of products.		
		4. Customer can order py sending the shopping cart.		
		5. Order system can receive the order after customer send the order.		
		6. Shopping cart can show the total price and change it after added or deleted the products.		
		7. Order system can print the receipt after receiving the order.		
		8. Customer can create its own profile with name, phone, email.		
		9. Customer can login by entering email, phone.		
		10. Customer can track the order.		

ChatGPT @startuml Code participant Customer participant ShoppingCart participant Menu participant OrderSystem Customer -> ShoppingCart: Add Product Customer -> ShoppingCart: Delete Product Customer -> Menu: Browse Menu Menu --> Customer: Show Menu Customer -> OrderSystem: Send Shopping Cart OrderSystem -> OrderSystem: Receive Order OrderSystem -> ShoppingCart: Calculate Total Price ShoppingCart --> Customer: Show Total Price OrderSystem -> OrderSystem: Print Receipt Customer --> OrderSystem: Track Order Customer -> Customer: Create Profile Customer -> Customer: Login @enduml

