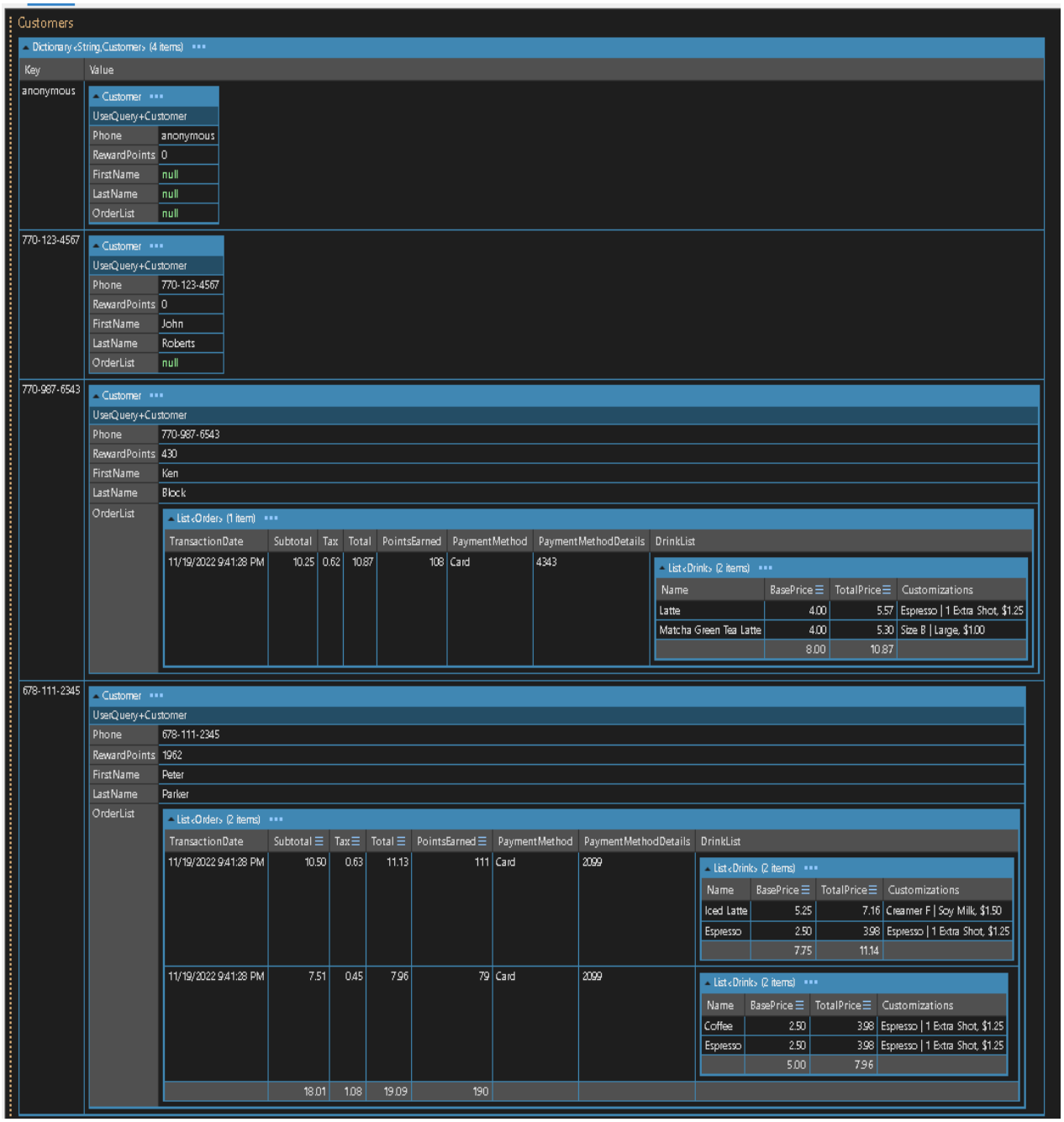
Customers.Json Table



Customers

Dictionary<String,Customer> (4 items)

Key	Value
anonymous	Customer UserQuery+Customer Phone: anonymous RewardPoints: 0 FirstName: null LastName: null OrderList: null
770-123-4567	Customer UserQuery+Customer Phone: 770-123-4567 RewardPoints: 0 FirstName: John LastName: Roberts OrderList: null
770-987-6543	Customer UserQuery+Customer Phone: 770-987-6543 RewardPoints: 430 FirstName: Ken LastName: Block OrderList: List<Order> (1 item)

List<Order> (1 item)

TransactionDate	Subtotal	Tax	Total	PointsEarned	PaymentMethod	PaymentMethodDetails	DrinkList
11/19/2022 9:41:28 PM	10.25	0.62	10.87	108	Card	4343	List<Drink> (2 items)

List<Drink> (2 items)

Name	BasePrice	TotalPrice	Customizations
Latte	4.00	5.57	Espresso | 1 Extra Shot, $1.25
Matcha Green Tea Latte	4.00	5.30	Size B | Large, $1.00
	8.00	10.87	

678-111-2345	Customer UserQuery+Customer Phone: 678-111-2345 RewardPoints: 1962 FirstName: Peter LastName: Parker OrderList: List<Order> (2 items)

List<Order> (2 items)

TransactionDate	Subtotal	Tax	Total	PointsEarned	PaymentMethod	PaymentMethodDetails	DrinkList
11/19/2022 9:41:28 PM	10.50	0.63	11.13	111	Card	2099	List<Drink> (2 items)
11/19/2022 9:41:28 PM	7.51	0.45	7.96	79	Card	2099	List<Drink> (2 items)
	18.01	1.08	19.09	190			

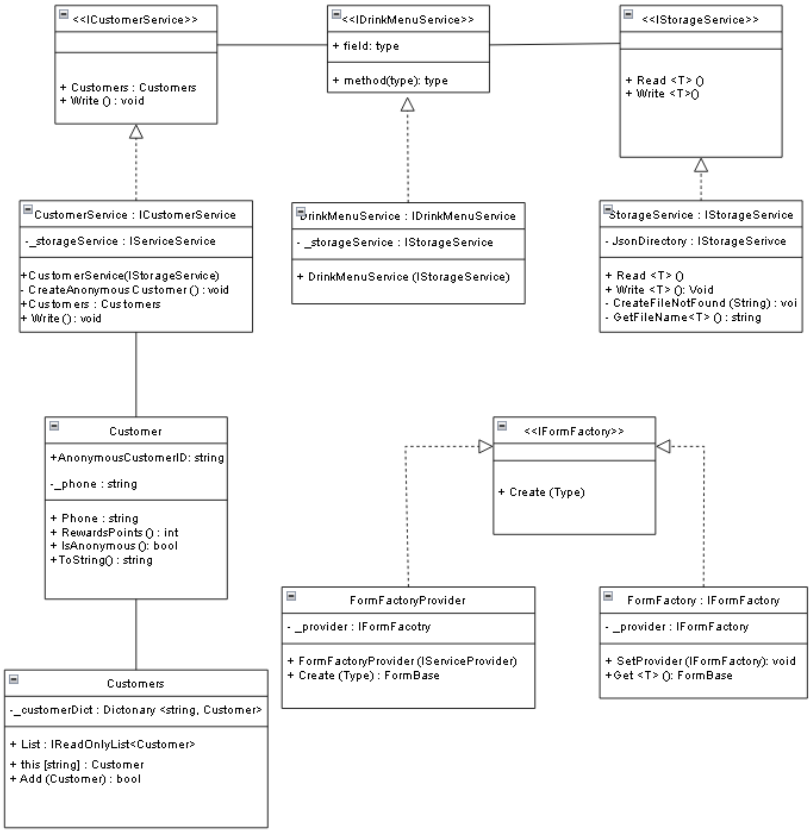
List<Drink> (2 items)

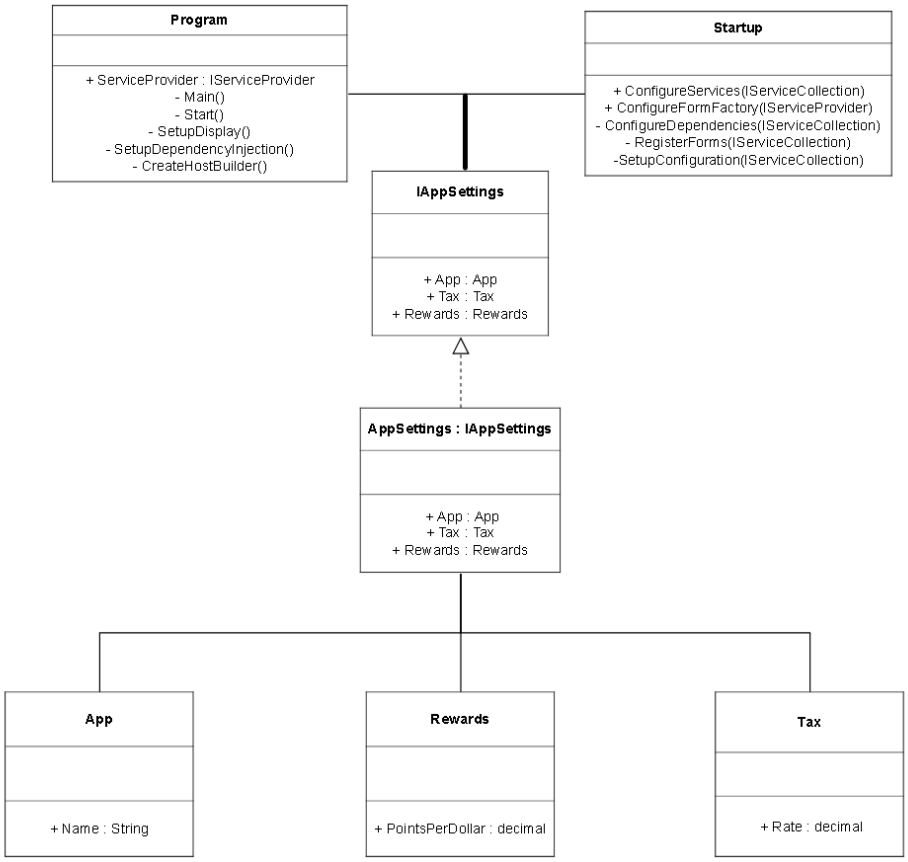
Name	BasePrice	TotalPrice	Customizations
Iced Latte	5.25	7.16	Creamer F | Soy Milk, $1.50
Espresso	2.50	3.98	Espresso | 1 Extra Shot, $1.25
	7.75	11.14	

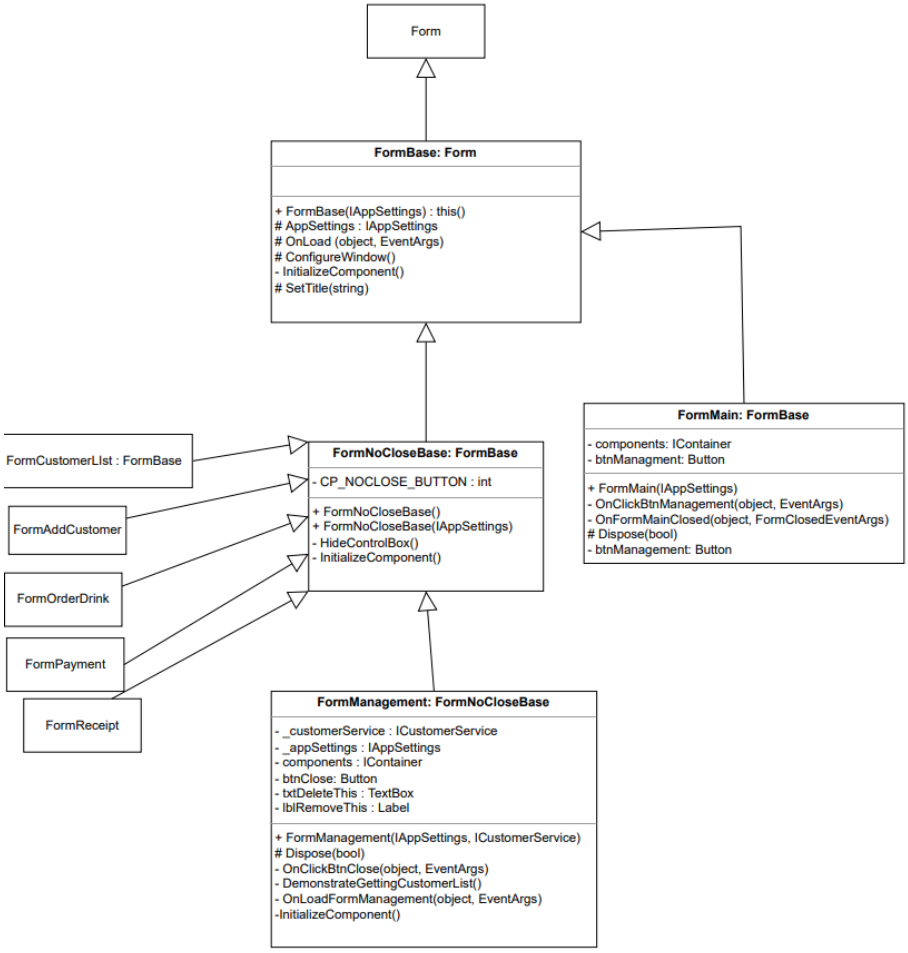
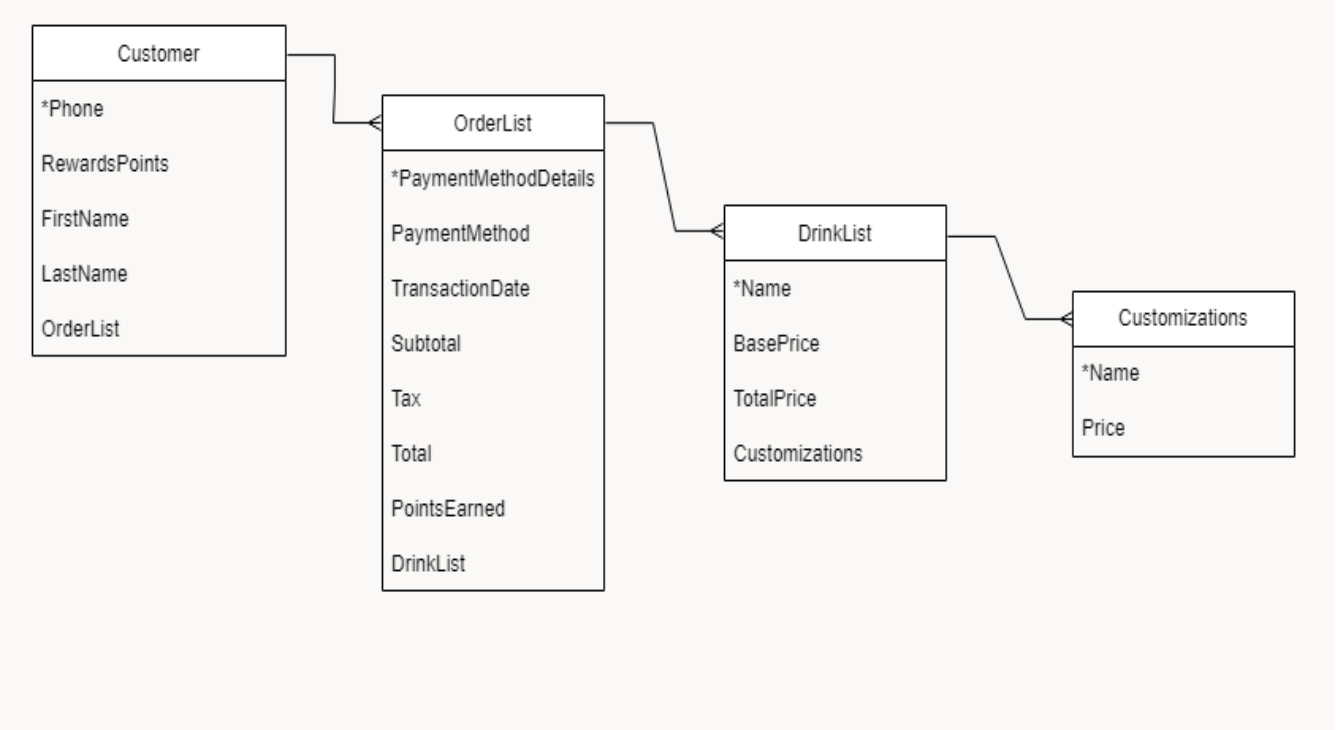
List<Drink> (2 items)

Name	BasePrice	TotalPrice	Customizations
Coffee	2.50	3.98	Espresso | 1 Extra Shot, $1.25
Espresso	2.50	3.98	Espresso | 1 Extra Shot, $1.25
	5.00	7.96	

UML Diagram


<<ICustomerService>>
+ Customers : Customers
+ Write () : void
<<IDrinkMenuService>>
+ field: type
+ method(type): type
<<IStorageService>>
+ Read <T> ()
+ Write <T>()
CustomerService : ICustomerService
-_storageService : IServiceService
+CustomerService(IStorageService)
- CreateAnonymous Customer () : void
+Customers : Customers
+ Write () : void
DrinkMenuService : IDrinkMenuService
- _storageService : IStorageService
+ DrinkMenuService (IStorageService)
StorageService : IStorageService
- JsonDirectory : IStorageSerivce
+ Read <T> ()
+ Write <T> (): Void
- CreateFileNotFound (String) : voi
- GetFileName<T> () : string
Customer
+AnonymousCustomerID: string
-_phone : string
+ Phone : string
+ RewardsPoints () : int
+ IsAnonymous (): bool
+ToString() : string
<<IFormFactory>>
+ Create (Type)
Customers
-_customerDict : Dictonary <string, Customer>
+ List : IReadOnlyList<Customer>
+ this [string] : Customer
+ Add (Customer) : bool
FormFactoryProvider
- _provider : IFormFacotry
+ FormFactoryProvider (IServiceProvider)
+ Create (Type) : FormBase
FormFactory : IFormFactory
- _provider : IFormFactory
+ SetProvider (IFormFactory): void
+Get <T> (): FormBase


Program
+ ServiceProvider : IServiceProvider
- Main()
- Start()
- SetupDisplay()
- SetupDependencyInjection()
- CreateHostBuilder()
Startup
+ ConfigureServices(IServiceCollection)
+ ConfigureFormFactory(IServiceProvider)
- ConfigureDependencies(IServiceCollection)
- RegisterForms(IServiceCollection)
-SetupConfiguration(IServiceCollection)
IAppSettings
+ App : App
+ Tax : Tax
+ Rewards : Rewards
AppSettings : IAppSettings
+ App : App
+ Tax : Tax
+ Rewards : Rewards
App
+ Name : String
Rewards
+ PointsPerDollar : decimal
Tax
+ Rate : decimal


Form
FormBase: Form
+ FormBase(IAppSettings) : this()
# AppSettings : IAppSettings
# OnLoad (object, EventArgs)
# ConfigureWindow()
- InitializeComponent()
SetTitle(string)
FormMain: FormBase
- components: IContainer
- btnManagment: Button
+ FormMain(IAppSettings)
- OnClickBtnManagement(object, EventArgs)
- OnFormMainClosed(object, FormClosedEventArgs)
Dispose(bool)
- btnManagement: Button
FormCustomerLIst : FormBase
FormAddCustomer
FormOrderDrink
FormPayment
FormReceipt
FormNoCloseBase: FormBase
- CP_NOCLOSE_BUTTON : int
+ FormNoCloseBase()
+ FormNoCloseBase(IAppSettings)
- HideControlBox()
- InitializeComponent()
FormManagement: FormNoCloseBase
- _customerService : ICustomerService
- _appSettings : IAppSettings
- components : IContainer
- btnClose: Button
- txtDeleteThis : TextBox
- lblRemoveThis : Label
+ FormManagement(IAppSettings, ICustomerService)
# Dispose(bool)
- OnClickBtnClose(object, EventArgs)
- DemonstrateGettingCustomerList()
- OnLoadFormManagement(object, EventArgs)
-InitializeComponent()

Entity Relationship Diagram