

Technical Design Documentation

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1. Customer.Json

A. Customer.Json Example

```
{
  "Customers": {
    "Anonymous": {
      "Phone": "anonymous",
      "RewardPoints": 0,
      "FirstName": "anonymous",
      "LastName": "anonymous"
    },
    "404-444-5555": {
      "Phone": "404-444-5555",
      "RewardPoints": 95,
      "FirstName": "John",
      "LastName": "Doe"
    },
    "189-288-9877": {
      "Phone": "189-288-9877",
      "RewardPoints": 50,
      "FirstName": "Jerry",
      "LastName": "Smith",
      "Orders" : [
        {
          "DateTime": "2022-11-16 16:54:11",
          "Subtotal": 8.5,
          "Tax": 0.51,
          "Total": 9.01,
          "PointsEarned": 90,
          "PaymentMethod": "card",
          "PaymentMethodDetails": "5987",
          "Drinks": [
            {
              "Name": "Black Coffee",
              "BasePrice": 4,
              "TotalPrice": 3.50,
              "Customizations": "Small:-$1.00, Sugar:$0.50"
            },
            {
              "Name": "Green Tea",
              "BasePrice": 4,
              "TotalPrice": 5,
              "Customizations": "Large:$1.00, Less Ice:$0.00"
            }
          ]
        }
      ]
    },
    "201-653-8999" :{
      "Phone": "201-653-8999",
      "RewardPoints": 15,
      "FirstName": "Albert",
      "LastName": "Einstein",

```

```

"Orders" : [
  {
    "DateTime": "2022-11-02 12:12:13",
    "Subtotal": 11.00,
    "Tax": 0.66,
    "Total": 11.66,
    "PointsEarned": 0,
    "PaymentMethod": "Reward Points",
    "PaymentMethodDetails": "RP",
    "Drinks": [
      {
        "Name": "Frappuccino",
        "BasePrice": 5,
        "TotalPrice": 6.50,
        "Customizations": "Large:$1.00, Additional Whipped Cream:$0.50"
      },
      {
        "Name": "Chai Latte",
        "BasePrice": 4,
        "TotalPrice": 4.50,
        "Customizations": "Medium:$0.00, Shot of Espresso:$0.50"
      }
    ]
  },
  {
    "DateTime": "2022-09-18 9:30:15",
    "Subtotal": 11.00,
    "Tax": 0.66,
    "Total": 11.66,
    "PointsEarned": 116,
    "PaymentMethod": "card",
    "PaymentMethodDetails": "2081",
    "Drinks": [
      {
        "Name": "Espresso",
        "BasePrice": 4,
        "TotalPrice": 6.50,
        "Customizations": "Large:$2.00, Sugar:$0.50"
      },
      {
        "Name": "Black Coffee",
        "BasePrice": 4.50,
        "TotalPrice": 4.50,
        "Customizations": "Medium:$0.00, Cold Brew:$0.00"
      }
    ]
  }
]
}
}
}

```

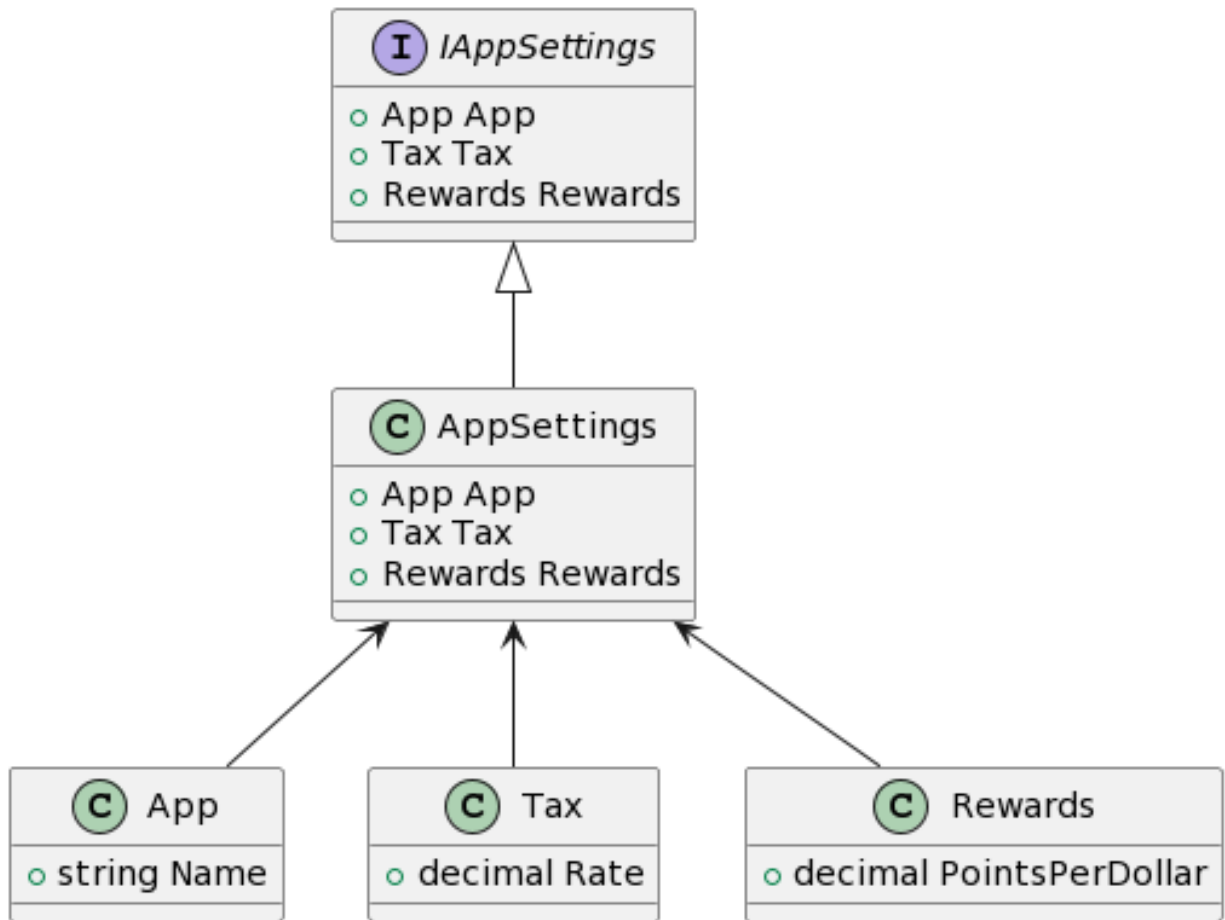
B. Customer.Json File Data Description

Field	Path	Data Type	Description
Customers	Customers	String	A user who is registered as a customer in the application.
Anonymous	Customers.Anonymous	String	A user who is anonymous, meaning they have chosen not to register.
Phone	Customers.Anonymous.Phone	String	Anonymous's phone number, or just "anonymous".
RewardPoints	Customers.Anonymous.RewardPoints	Integer	Reward points have a value of 0 for anonymous no matter what.
Customer_ID	Customers.[key]	String	ID of customer. Key can contain the phone number of a registered customer or either be "Anonymous". An example of a number is "404-444-5555".
Phone	Customers.[key].Phone	String	Customer's phone number.
RewardPoints	Customers.[key].RewardPoints	Integer	Reward points utilized by both customers and anonymous users.
FirstName	Customers.[key].FirstName	String	First name of a customer registered in the application.
LastName	Customer.[key].LastName	String	Last name of a customer registered in the application.
Orders	Customers.[key].Orders	String	Order(s) placed by a customer.
DateTime	Customers.[key].Orders.[0].DateTime	String	Date and time an order was placed.

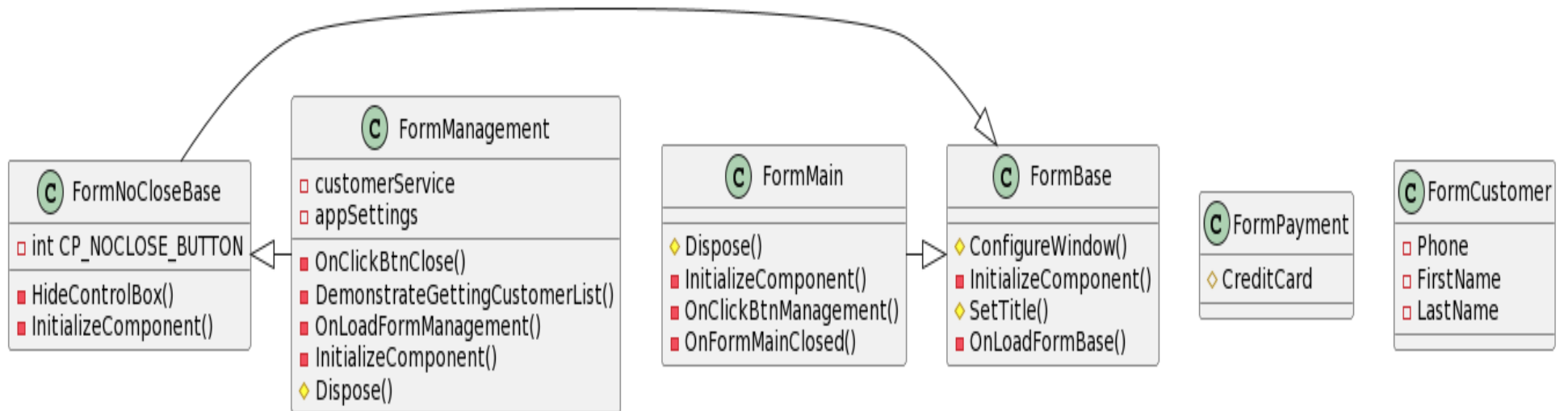
SubTotal	Customers.[key].Orders.[0].SubTotal	Decimal	Total before tax is added to order cost.
Tax	Customers.[key].Orders.[0].Tax	Decimal	Tax amount on an order.
Total	Customers.[key].Orders.[0].Total	Decimal	Total cost of an order.
PointsEarned	Customers.[key].Orders.[0].PointsEarned	Integer	Points earned by a customer.
PaymentMethod	Customers.[key].Orders.[0].PaymentMethod	String	Payment method used by a customer.
PaymentMethodDetails	Customers.[key].Orders.[0].PaymentMethodDetails	String	Details for a payment method.
Drinks	Customers.[key].Orders.[0].Drinks	String	Drinks from order.
Name	Customers.[key].Orders.[0].Drinks.[0].Name	String	Name on order.
BasePrice	Customers.[key].Orders.[0].Drinks.[0].Base Price	Decimal	Order's base price.
TotalPrice	Customers.[key].Orders.[0].Drinks.[0].TotalPrice	Decimal	Order's total price.
Customizations	Customers.[key].Orders.[0].Drinks.[0].Customizations	String	Drink customization options.

2. UML Diagrams

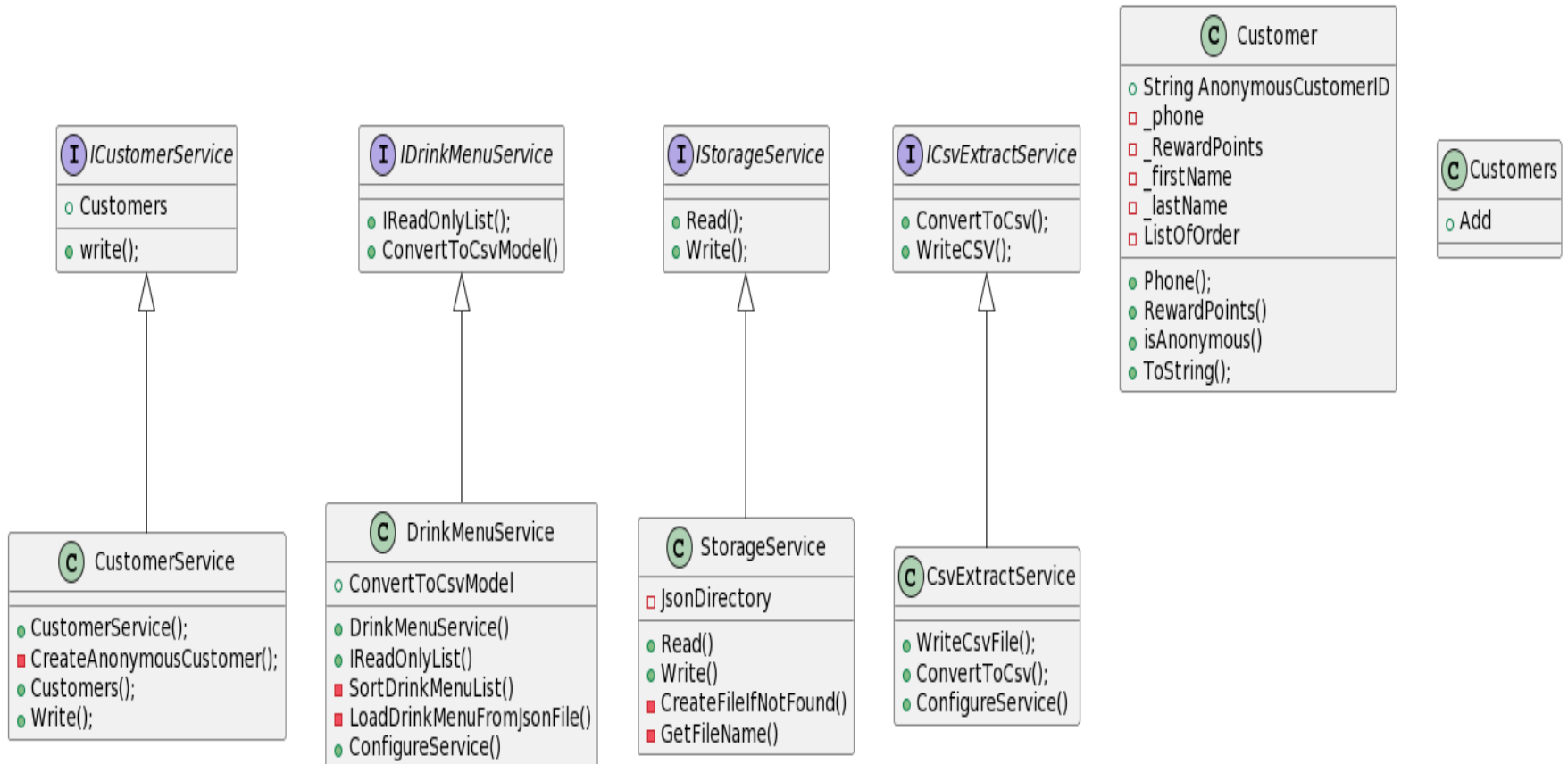
A. Configuration



B. Forms



C. Services



3. ERD Diagrams

