Technical Design Team SPAM

SWE 3313, Group BBB Professor Adkisson 14 November 2022

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Section 1A): EXAMPLE CUSTOMER JSON FILE

```
"Customers": {
  "anonymous": {
    "CustomerId": "Anonymous",
    "FirstName": "Anonymous",
    "LastName": "Anonymous",
    "Phone": "000-000-0000",
    "RewardPoints": 0
 },
  "404-444-5555": {
    "CustomerId": "2e40d30e48904391b4598ec1959ccd21",
    "FirstName": "John",
    "LastName": "Doe",
    "Phone": "404-444-5555",
    "RewardPoints": 95,
    "Orders": [
      {}
    1
  "770-555-9999": {
    "CustomerId": "b7f704a156734d45b66961f7babeab81",
    "FirstName": "Paul",
    "LastName": "Blart",
    "Phone": "770-555-9999",
    "RewardPoints": 3,
    "Orders": [
      {
        "CustomerId": "b7f704a156734d45b66961f7babeab81",
        "Date": "2022-11-20 11:00:43",
        "Tax": 0.89,
        "Subtotal": 14.75,
```

```
"Total": 15.64,
         "PaymentMethod": "Credit",
         "OrderedItems": [
           {
             "DrinkName": "Latte",
             "Quantity": 1,
             "Customizations": "Size C, No Foam, Creamer
E, Espresso, Sweetener A"
           },
           {
             "DrinkName": "Matcha",
             "Quantity": 1,
             "Customizations": "Size A, Creamer B, Matcha, Sweetener A"
           }
         ]
       }
     1
   },
   "678-555-0000": {
     "CustomerId": "9746f7d099bd473ca0674a92b4e84c43",
     "FirstName": "James",
     "LastName": "Smith",
     "Phone": "678-555-0000",
     "RewardPoints": 15,
     "Orders": [
       {
         "CustomerId": "9746f7d099bd473ca0674a92b4e84c43",
         "Date": "2022-11-21 16:42:11",
         "Tax": 0.53,
         "Subtotal": 8.75,
         "Total": 9.28,
         "PaymentMethod": "RewardPoints",
         "OrderedItems": [
           {
             "DrinkName": "Coffee",
             "Quantity": 1,
             "Customizations": "Size C, No Foam, Creamer
E, Espresso, Sweetener A"
           },
           {
```

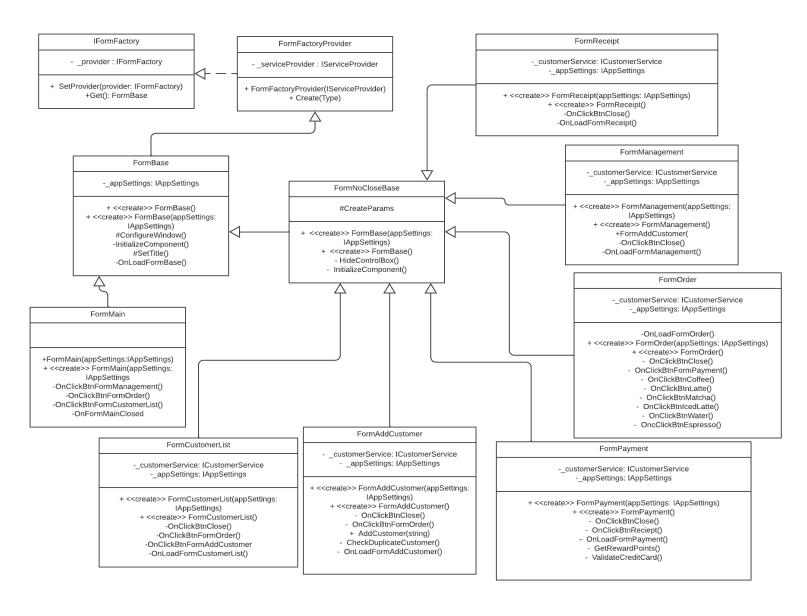
```
"DrinkName": "Coffee",
            "Quantity": 1,
            "Customizations": "Size B, Creamer C, Sweetener A"
          }
        1
      },
      {
        "CustomerId": "9746f7d099bd473ca0674a92b4e84c43",
        "Date": "2022-11-22 12:31:25",
        "Tax": 0.53,
        "Subtotal": 8.75,
        "Total": 9.28,
        "PaymentMethod": "Credit",
        "OrderedItems": [
          {
            "DrinkName": "Espresso",
            "Quantity": 1,
            "Customizations": "Espresso"
          },
          {
            "DrinkName": "Matcha",
            "Quantity": 1,
            "Customizations": "Size A, Creamer E, Sweetener A, Ice A"
          }
        ]
      }
    ]
  }
}
```

Section 1B): CUSTOMER JSON FILE DATA DESCRIPTION

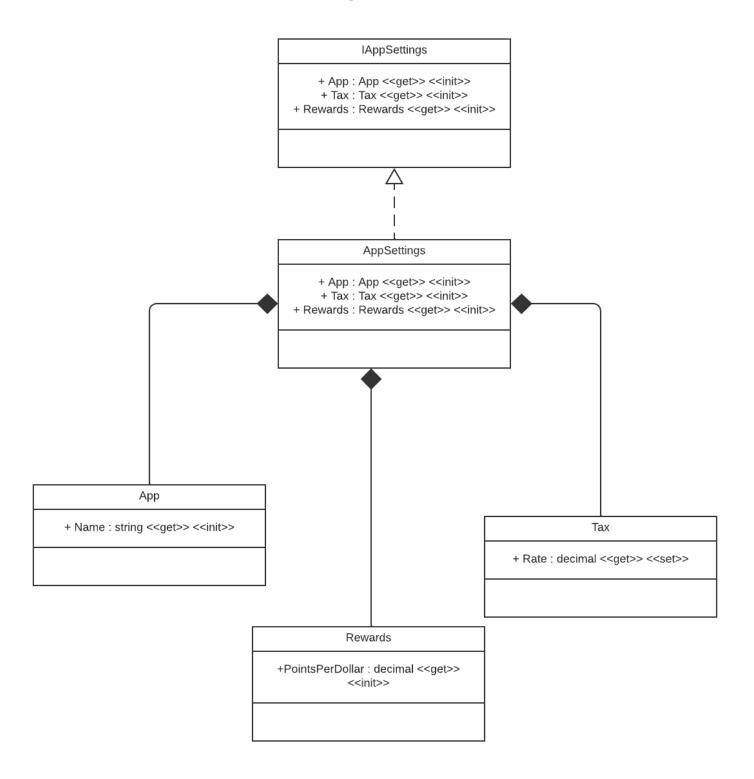
Customers.[key].Phone	string	Contains customer's phone number
Customer.[key].FirstNa me	string	Contains the customer's first name
Customer.[key].LastNam e	string	Contains the customer's last name
Customer.[key].Rewards Points	int	Contains the number of rewards points a customer has
Customer.[key].Custom erld	string	Contains the customer ID that is unique to each individual customer
Customer.[key].Orders. Date	string	Contains the date at which the transaction was held
Customer.[key].Orders.T	float	Contains the tax of the transaction
Customer.[key].Orders.[key].Subtotal	float	Contains the subtotal of the transaction

Customers.[key].Phone	string	Contains customer's phone number
Customer.[key].Orders.[key].Total	float	Contains the total of the transaction
Customer.[key].Orders.[key].PaymentMethod	string	Contains the payment method of the customer
Customer.[key].Orders.[key].OrderedItems.[key].Quantity	int	Contains the quantity of drinks ordered
Customer.[key].Orders.[key].OrderedItems.[key]. DrinkName	string	Contains the name of the drink that is on the order
Customer.[key].Orders.[key].OrderedItems.[key].Customizations.[key]	string	Contains the various drink customizations a customer can do

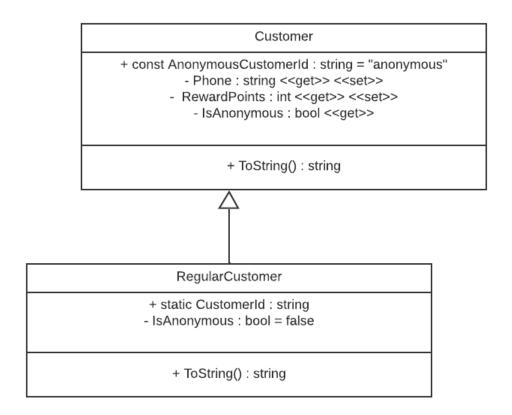
Section 2: UML Class Design diagram Forms UML



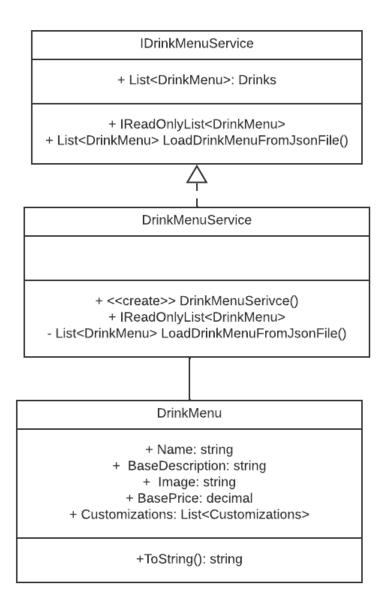
Configuration UML



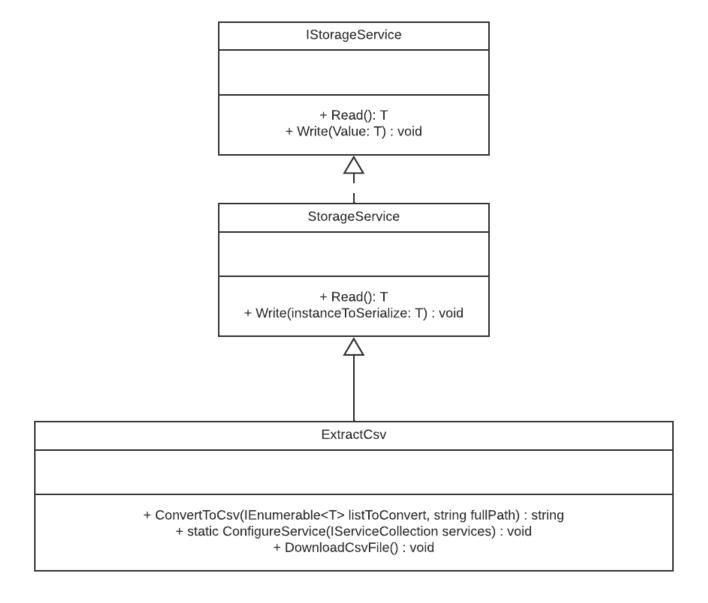
Customer UML



DrinkSerivce UML

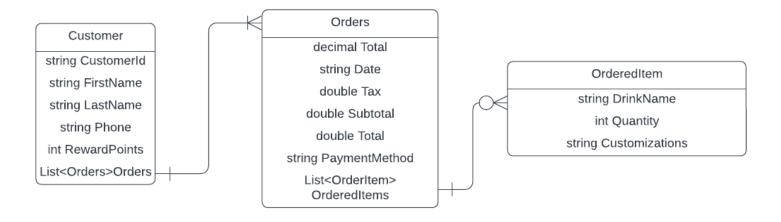


ExtractCSV UML



Section 3: Crows Foot ERD Data Model diagram

Customer Sales ERD



Drink Menu ERD

