Video Library Management System- Class Diagram

Customer

- Customer Name: String
- **AVS** Customer Card Id: GUId
- Customer Address: String
- Customer Phone Number: long
- Customer Email :String
- Customer Age :Integer

+ AddCustomerName
+AddCustomerAddress
+AddCustomerContactNumber
+AddCustomerEmail
+AddCustomerAge
+ ModifyCustomerName
+ ModifyCustomerAddress
+ModifyCustomerContactNumber
+ModifyCustomerEmail
+ModifyCustomerAge

Video

- Video Id: GUId
- Video Title: String
- Video genre: String
- Video Release Date: date
- Video Price: Integer
- Store Id

+ AddVideoTitle
+AddVideoGenre
+AddVideoReleaseDate
+AddVideoPrice
+ModifyVideoTitle
+ModifyVideoGenre
+ModifyVideoPrice

Video Store

- Video Store Id
- Video Store Owner Name
- Video Store Address

+ AddStoreOwnerName
+ AddStoreAddress
+ ModifyStoreOwnerName
+ ModifyStoreAddress

Borrows

Belongs to

Customer Card

- **AVS** Customer Card Id: GUId
- Card Expiry Date: Date
- Card Number: long
- Card Password: String
- Card Balance:Int

+ AddCustomerCard
+AddCardExpiryDate
+AddCustomerCardNumber
+ ModifyCustomerCard
+CheckCardValidity
+ RenewCustomerCardExpiry
+BlockCustomerCard

Has A

Video Store Staff

- Staff Id: GUId
- Staff Name: String
- Staff Address: String
- Staff Joining Date: date

+ AddStaffMemberName
+ AddStaffMemberAddress
+AddCustomerCardNumber
+ ModifyStaffMemberName
+ ModifyStaffMemberAddress

Contains