UML Class Diagram

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AccountSys

+cust_list:ArrayList<CreditAccount>

+calcPaymentPlan:void
+display():String
+addEducationCredit((String, String, double, int, int, String, String, String, double, String, String, double, ArrayList<Guarantors>):boolean
+addRealEstateCredit(String, String, double, int, int, String, String, String, double, String, int, String, ArrayList<Guarantors>): boolean
+addTravelCredit(String, String, double, int, int, String, String, String, double, String, String, String, ArrayList<Guarantors>):boolean
+addCommercialCredit(String, String, double, int, int, String, String, String, double, String, double, ArrayList<Guarantors>):boolean
+isCustExist(int):boolean
+searchCust(int):CreditAccount
+removeCust(int):boolean

CreditAccount

#cust_Fullname:String
#creditType:String
#amount_Demanded:double
#id_no:int
#birthYear:int
#occupation:String
#mailAddress:String
#paymentTerm:String
#cust_income:double
+guarantor:ArrayList<Guarantors>
#numOfAccounts:int
#monthlypayment:double

+CreditAccount()
+CreditAccount(String, String, double, int, int, String, String, String, double, ArrayList<Guarantors>)
+checkIdExists(int):boolean
+ getters & setters
+ toString(): String
+getCreditPoints(): double
+getNumOfAccounts:int

Guarantors

-guarantor_fullname:String
-guarantor_Iban:String
-guarantor_Occupation:String
-guarantor_Income:double

+Guarantors()
Guarantors(String, String, String, double)
+ getters & setters
+ toString(): String

has

**<<interface>>
InterestRate**

+rateOfInterest(): double

CreditAccountMain

+ main(String[] args): void

RealEstate_Credit

-estateType:String
-yearBuilt:int
-address:String

+RealEstate_Credit()
+RealEstate_Credit(String, String, double, int, int, String, String, String, double, String, int, String, ArrayList<Guarantors>)
+checkIdExists(int):boolean
+ getters & setters
+ toString(): String
+rateOfInterest(): double

Education_Credit

-educationLevel:String
-schoolName:String
-scholarshipRate:double

+Education_Credit()
+Education_Credit(String, String, double, int, int, String, String, String, double, String, String, double, ArrayList<Guarantors>)
+ getters & setters
+ toString(): String
+rateOfInterest(): double

Travel_Credit

-passport_No:String
-countryToVisit:String
-airlineName:String

+Travel_Credit()
+Travel_Credit(String, String, double, int, int, String, String, String, double, String, String, String, ArrayList<Guarantors>)
+ getters & setters
+ toString(): String
+rateOfInterest(): double

Commercial_Credit

-companyName:String
-ownershipRate:double

+Commercial_Credit()
+Commercial_Credit(String, String, double, int, int, String, String, String, double, String, double, ArrayList<Guarantors>)
+ getters & setters
+ toString(): String
+rateOfInterest(): double

0..* Text
0..*