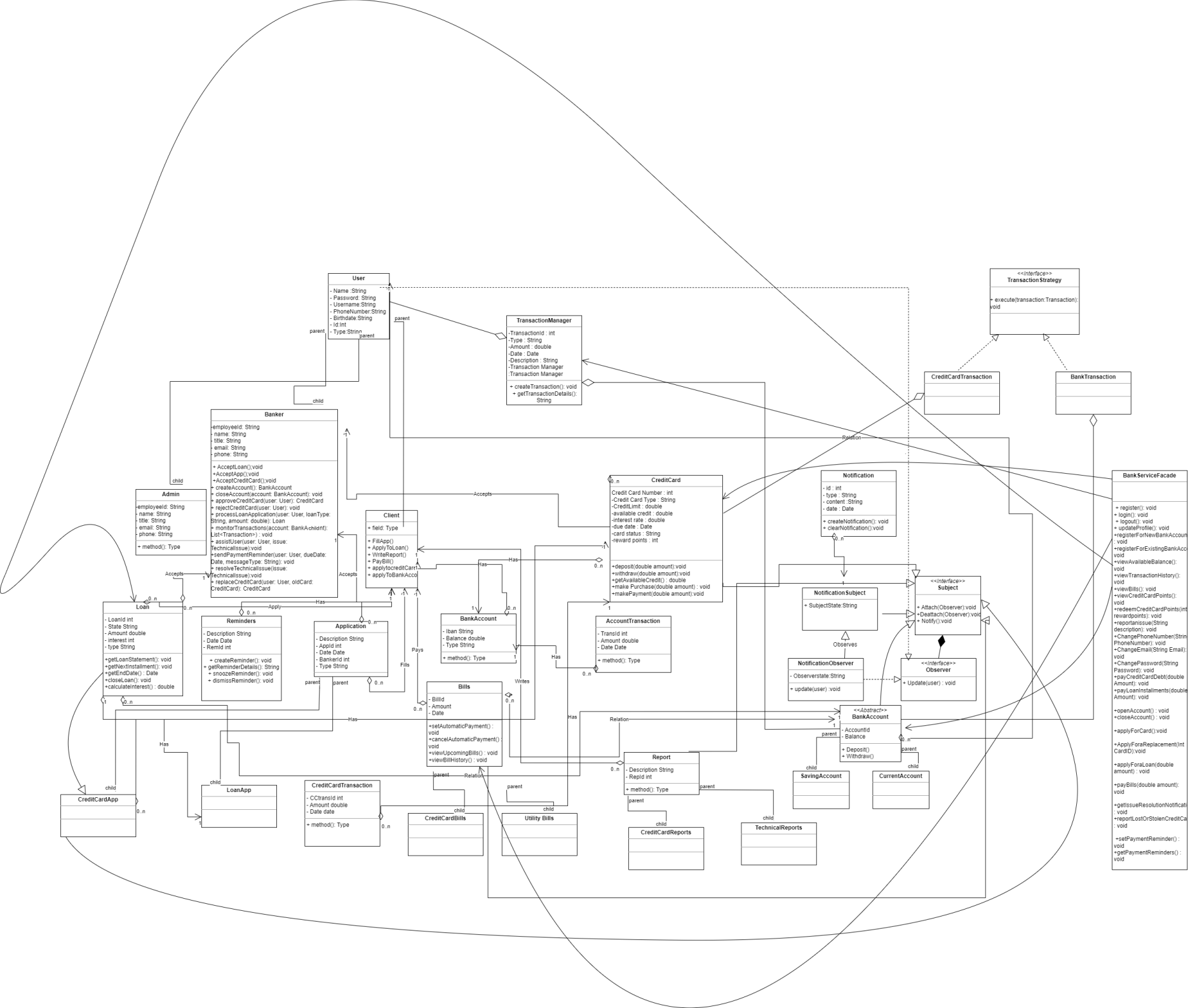
User
- Name :String
- Password: String
- Username:String
- PhoneNumber:String
- Birthdate:String
- Id:Int
- Type:String
TransactionManager
-TransactionId : int
-Type : String
-Amount : double
-Date : Date
-Description : String
-Transaction Manager
:Transaction Manager
+ createTransaction(): void
+ getTransactionDetails(): String
<<Interface>>
TransactionStrategy
+ execute(transaction:Transaction): void
CreditCardTransaction
BankTransaction
Banker
-employeeId: String
- name: String
- title: String
- email: String
- phone: String
+ AcceptLoan();void
+AcceptApp();void
+AcceptCreditCard();void
+ createAccount(): BankAccount
+ closeAccount(account: BankAccount): void
+ approveCreditCard(user: User): CreditCard
+ rejectCreditCard(user: User): void
+ processLoanApplication(user: User, loanType: String, amount: double): Loan
+ monitorTransactions(account: BankAchildnt): List<Transaction>) : void
+ assistUser(user: User, issue: TechnicalIssue):void
+sendPaymentReminder(user: User, dueDate: Date, messageType: String): void
+ resolveTechnicalIssue(issue: TechnicalIssue):void
+ replaceCreditCard(user: User, oldCard: CreditCard): CreditCard
Admin
-employeeId: String
- name: String
- title: String
- email: String
- phone: String
+ method(): Type
Client
+ field: Type
+ FillApp()
+ ApplyToLoan()
+ WriteReport()
+ PayBill()
+ applytocreditCard
+ applyToBankAcco
CreditCard
Credit Card Number : int
-Credit Card Type : String
-CreditLimit : double
-available credit : double
-interest rate : double
-due date : Date
-card status : String
-reward points : int
+deposit(double amount):void
+withdraw(double amount):void
+getAvailableCredit() : double
+make Purchase(double amount) : void
+makePayment(double amount):void
Notification
- id : int
- type : String
- content :String
- date : Date
+ createNotification(): void
+ clearNotification():void
BankServiceFacade
+ register(): void
+ login(): void
+ logout(): void
+ updateProfile(): void
+registerForNewBankAccoun
: void
+registerForExistingBankAcc
void
+viewAvailableBalance():
void
+viewTransactionHistory():
void
+viewBills(): void
+viewCreditCardPoints():
void
+redeemCreditCardPoints(int
rewardpoints): void
+reportanissue(String
description): void
+ChangePhoneNumber(Strin
PhoneNumber): void
+ChangeEmail(String Email):
void
+ChangePassword(String
Password): void
+payCreditCardDebt(double
Amount): void
+payLoanInstallments(double
Amount): void
+openAccount() : void
+closeAccount() : void
+applyForCard():void
+ApplyForaReplacement(Int
CardID):void
+applyForaLoan(double
amount) : void
+payBills(double amount):
void
+getIssueResolutionNotificati
: void
+reportLostOrStolenCreditCa
: void
+setPaymentReminder() :
void
+getPaymentReminders() :
void
Loan
- LoanId int
- State String
- Amount double
- interest int
- type String
+getLoanStatement(): void
+getNextInstallment(): void
+getEndDate() : Date
+closeLoan(): void
+calculateInterest() : double
Reminders
- Description String
- Date Date
- RemId int
+ createReminder(): void
+ getReminderDetails(): String
+ snoozeReminder(): void
+ dismissReminder(): void
Application
- Description String
- AppId int
- Date Date
- BankerId int
- Type String
BankAccount
- Iban String
- Balance double
- Type String
+ method(): Type
AccountTransaction
- TransId int
- Amount double
- Date Date
+ method(): Type
NotificationSubject
+ SubjectState:String
<<Interface>>
Subject
+ Attach(Observer):void
+Deattach(Observer):void
+ Notify():void
NotificationObserver
- Observerstate:String
+ update(user) :void
<<Interface>>
Observer
+ Update(user) : void
Bills
- BillId
- Amount
- Date
+setAutomaticPayment() :
void
+cancelAutomaticPayment() :
void
+viewUpcomingBills() : void
+viewBillHistory() : void
<<Abstract>>
BankAccount
- AccountId
- Balance
+ Deposit()
+ Withdraw()
Report
- Description String
- RepId int
+ method(): Type
SavingAccount
CurrentAccount
CreditCardApp
LoanApp
CreditCardTransaction
- CCtransId int
- Amount double
- Date date
+ method(): Type
CreditCardBills
Utility Bills
CreditCardReports
TechnicalReports
Accepts
Apply
Has
Fills
Pays
Writes
Relation
parent
child