

# Credit Card Processing System Class Model

Fraud Alert	Bank	Merchant
alertTime: datetime	name: String	name: String
description: String	address: String	category: String
severity: String	swiftCode: String	address: String
Type: String	Process Transaction	request Authorization
raise Alert	update details	update details
resolve Alert	Raises	Made At
	0..1	1

Statement	Transaction	Authorize
PeriodStart: date	date: date	Code: String
PeriodEnd: date	amount: double	timestamp: datetime
totalAmt: double	type: String	Status: String
Generate Stmt	Status: String	approve
email Stmt	Authorize	decline
	reverse	
	Settle	

Account	Card	Card Holder
acctType: String	card	name: String
balance: double	expiryDate: date	address: String
Status: String	CVV: int	email: String
debit	Status: String	phone: String
credit	activate card	update contact info
update Status	block card	report lost card
	renew card	request Stmt
	Replaced	Cardno: String
	0..1	0..1

Debit card	Credit card	Prepaid card
dailyLimit: double	creditLimit: double	Stored Balance: double
Set daily limit	increase limit	rebad Balance
	calculate Interest	deduct Balance