

CREDIT CARD PROCESSING

Customer	1	*	Credit Card	*	1	Bank
-customerId: int			-cardNumber: string			-bankId: int
+name: string			+cardHolder: string			+name: string
+email: string			+expiryDate: date			+address: string
+phone: string			-CVV: int			
+register(): bool			+validateCard(): bool			

Transaction	1	1	Payment Gateway	1	1	Merchant
-transactionId: int			-gatewayId: int			-merchantId: int
+amount: float			+name: string			+name: string
+date: date			+apiEndpoint: string			+address: string
+status: string			+processPayment(): bool			
+initiate(): bool						
+refund(): bool						

0...1

Authorization
-authcode: string
+authdate: date
+authstatus: string
+authorize(): bool