Bank System

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ATM

- Send out alerts about maintainance issues like low ink, paper, or money
- Send out alerts about suspicious activies
- Provide approperiate responses to customer requests like display balance, give recipts
- Authenticate person at the ATM
- Take photo of person accessing atm at the moment
- -Send out alerts to 911 when break ins or fraud is identified
- Update the account after each transaction's change to balance
- Accepts transactions
- Knows its status, idle or with customer or in middle of transaction

Fraud Department

- Recieves alerts about fraud and flags the accounts
- Contacts the customer

 W Maintainance Department

Secutiry Department

Alerts

- Recieves all alerts from ATM and branch
- Decides the severity of each alert
- Exculates the alerts to the correct department / place
- Take customer information

Bank Branch

- Recieves alerts from ATM

- Sends out to ATM a

Sends out account information when askedDecides if customer is

technician when alerted

- Allows customers to open

- Allow customers to do

transactions in the bank

- Keeps data of accounts

and customer

authenticated

or close accounts

Customer

- Represents a person's personal information (name, address, gender, email)
- Has access priviledge to their account
- Could share an account with up to 1 other authorized user
- Has their card info
- Can get cards for their accounts
- Can close their account
- Can change their pin or personal information
- Can do transactions with the ATM or bank teller to deposit, withdrawl cash or check and view their account balance

Services

Has record of/ is stored at

Owns/ belongs to

1

- Card number

Card

- CVV number
 - Chip number

belongs to

Account

- The type of account (checking, saving, credit card)
- account number for each account
- Authorized users (Owners of the accounts)
- Number of flags / Type of flags on the account
- The checks deposited
- Knows the account balance