|  |  |  |  |
| --- | --- | --- | --- |
| Primary Key | CustomerID | int | Unique ID for customer |
|  | FirstName | Varchar | Stores customer’s first name |
|  | LastName | Varchar | Stores customer’s last name |
|  | Address | Varchar | Stores customer’s address |
|  | Eircode | Varchar | Stores customer’s eircode |
|  | DOB | Date | Stores customer’s date of birth |
|  | Telephone | Varchar | Stores customer’s telephone number |
|  | Occupation | Varchar | Stores customer’s occupation |
|  | Salary | double | Stores customer’s salary |
|  | Email | Varchar | Stores customer’s email |
|  | GuarantorsName | varchar | Stores customer’s guarantor name |
|  | Status | Boolean | Stores if a customer is active or flagged for deletion |

**Customer Table**

**Transaction Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Primary Key | TransactionID | Int | Unique ID for transaction |
|  | Type | Varchar | Tracks the type of transaction (deposit/withdrawal/interest paid) |
|  | Amount | Double | Amount transaction is for |
|  | Date | Date | Date of transaction |
|  | AccountType | Varchar | Type of account transaction takes place on |
| Foreign Key | AccountID | Int | ID of account transaction takes place on |

**Employee Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Primary Key | EmpID | Int | Unique ID for Employees |
|  | Password | Varchar | Password to enter system |
|  | ManagementPassword | Varchar | Password for management features |
|  | Date | Date | Date of when password was changed |

**Rate Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Primary Key | RateID | Int | Unique ID for interest rate |
|  | InterestRate | Double | Interest rate itself |
|  | Type | Varchar | Type of account interest rate applies to |
|  | Date | Date | Date of when interest rate came into effect |

**Account Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Primary Key | AccountID | Int | Unique ID for each account |
|  | Balance | Double | Balance of the account |
|  | AccountType | Varchar | Type of account |
|  | Date | Date | Date the account was created |
| Foreign Key | CustomerID | Int | ID of the customer the account belongs to |

**LAccount Table**

|  |  |  |  |
| --- | --- | --- | --- |
|  | AmountReq | Double | Amount requested for loan |
|  | Term | Int | Term of loan in months |
|  | Status | Boolean | Is the account active or flagged for deletion |
|  | MonthlyRepayments | Double | Monthly loan repayments |
| Foreign Key | AccountID | Int | ID for account |
| Foreign Key | RateID | Int | ID of applicable interest rate |

**CAccount Table**

|  |  |  |  |
| --- | --- | --- | --- |
|  | OverdraftLimit | Double | Amount you are allowed to overdraw on you account |
|  | Status | Boolean | Is the account active or flagged for deletion |
| Foreign Key | AccountID | Int | ID for account |
| Foreign Key | RateID | Int | ID of applicable interest rate |

**DAccount Table**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Status | Boolean | Is the account active or flagged for deletion |
| Foreign Key | AccountID | Int | ID for account |
| Foreign Key | RateID | Int | ID of applicable interest rate |