Actual Data Objects:

Customer: CustomerID,first_name,last_name,address,phone_Number,email,date_of_birth,age

Branch: name, address, asset

Loan: loan_Number ,branch_name,amount
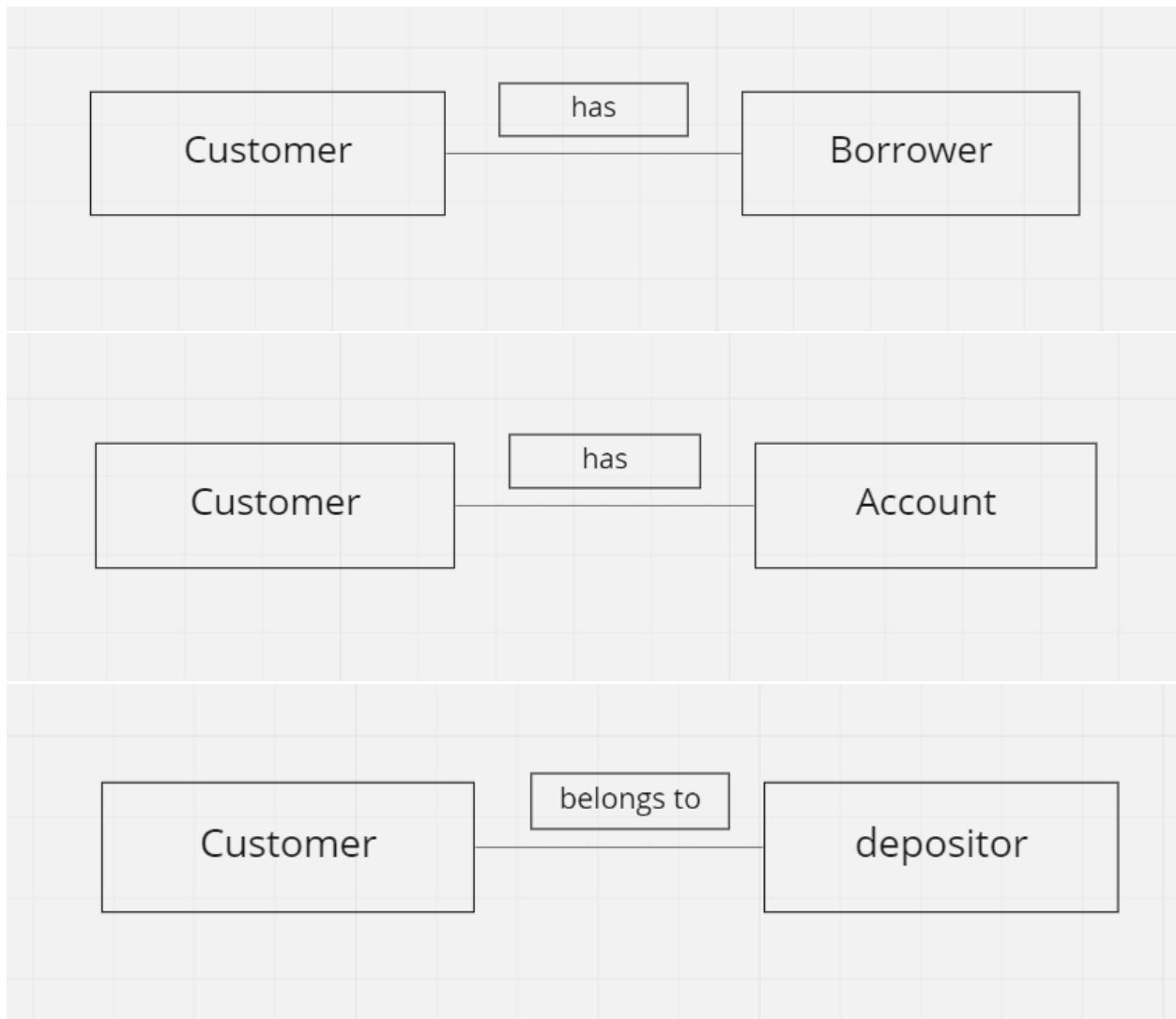
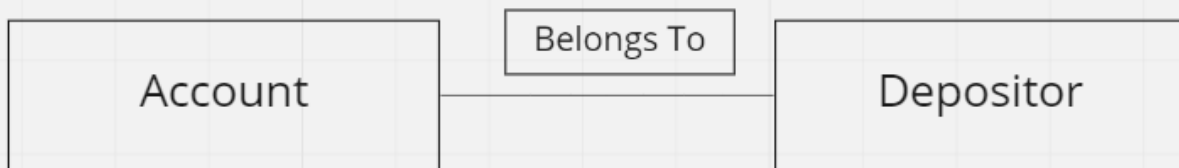**Borrower:** Borrower_No,customer_id, Loan_Number

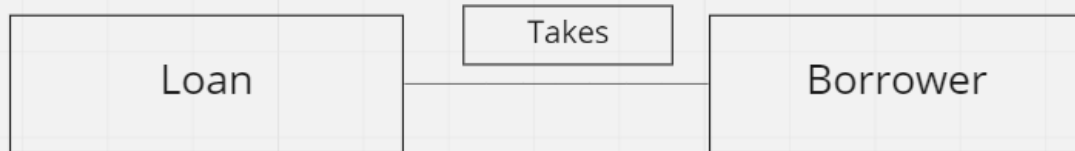**Account:** acc_Number, customer_id ,Branch_Name,Balance

Depositor: customer_id,acc_Number

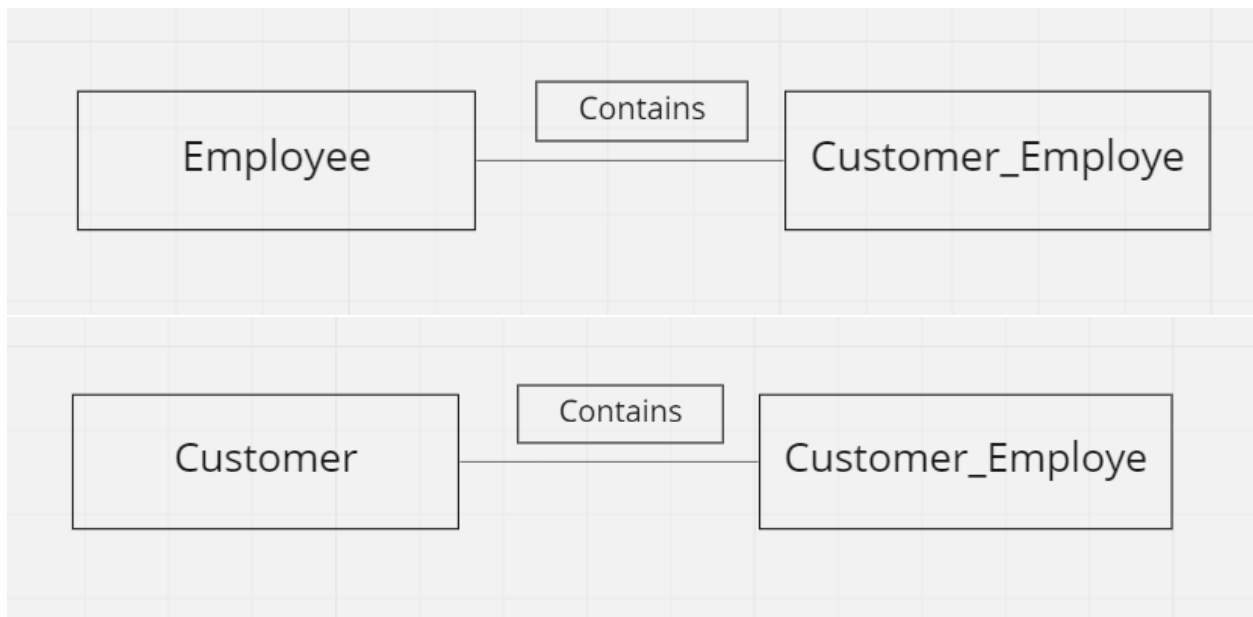**Employee:**employee_Id,first_name,last_name,salary,address,blood_group,phone_number,email,date_of_birth,age

Customer_Employee: Customer_id, Employee_Id

Relationship among data objects:

Branch	—Contains—	Loans

Branch	—Contains—	Account

Loan	—Takes—	Borrower

Account	—Belongs To—	Depositor
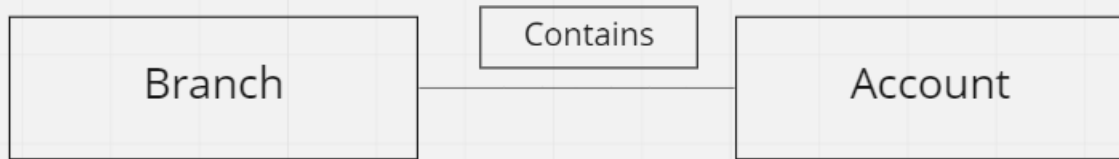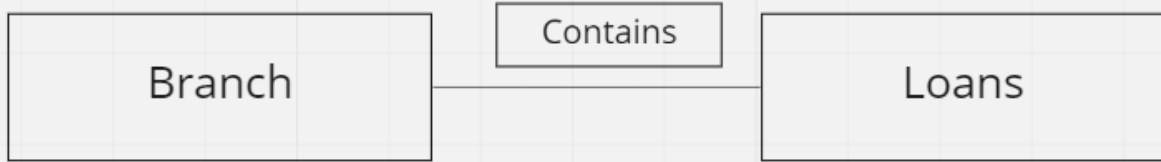
Schema Table:

Key: AI: Auto Incremented ID

Table 1: Schema table for Customer

Customer		
Attributes	**Types**	**Size**
customer_id	number	AI
first_name	varchar	250
last_name	varchar	250
address	varchar	250
Phone_Number	number	11
email	varchar	250
Date_of_birth	Date-time	
age	number	3

Table 2: Schema table for Branch

Branch		
Attributes	**Types**	**Size**
name	varchar	250
address	varchar	250
asset	number	AI

Table 3: Schema table for Loan

Loan		
Attributes	**Types**	**Size**
loan_Number	number	6
branch_name	varchar	250
amount	number	AI

Table 4: Schema table for Borrower

Borrower		
Attributes	**Types**	**Size**
Borrower_No	number	AI
customer_id	number	AI
loan_Number	number	6

Table 5: Schema table for Account

Account		
Attributes	**Types**	**Size**
customer_id	number	AI
acc_number	number	AI
Branch_Name	varchar	250
balance	number	AI

Table 6: Schema table for Depositor

Depositor		
Attributes	**Types**	**Size**
customer_id	number	AI
acc_Number	number	AI

Table 7: Schema table for Employee

Employee		
Attributes	**Types**	**Size**
employee_id	number	AI
first_name	varchar	250
last_name	varchar	250
salary	number	10
address	varchar	250
blood_group	varchar	250
phone_Number	number	11
email	varchar	250
Date_of_birth	Date-time	
age	number	3

Table 8: Schema table for Customer_Employee

Depositor		
Attributes	**Types**	**Size**
customer_id	number	AI
Employee_ID	number	AI

Entity Relation:

Customer _ID

Customer —— has —— **Borrower**

Borrower _No

has

belongs to

acc _Number

Contains

Account —— Belongs To —— **Depositor**

employee _id

Employee —— Contains —— **Customer_Employe e**

name

Branch —— Contains —— **Account**

acc _Number

contains

Takes

Loan

Loan_Number