



GROUP ALPHA

HOG BANK

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OUR VISION

INTERNAL / OPERATIONAL INTERFACE

- Create interface for Hog Bank managers and employees
- Enable transaction management and customer service
- Provide access to transactional and customer data
- Deliver superior banking experiences



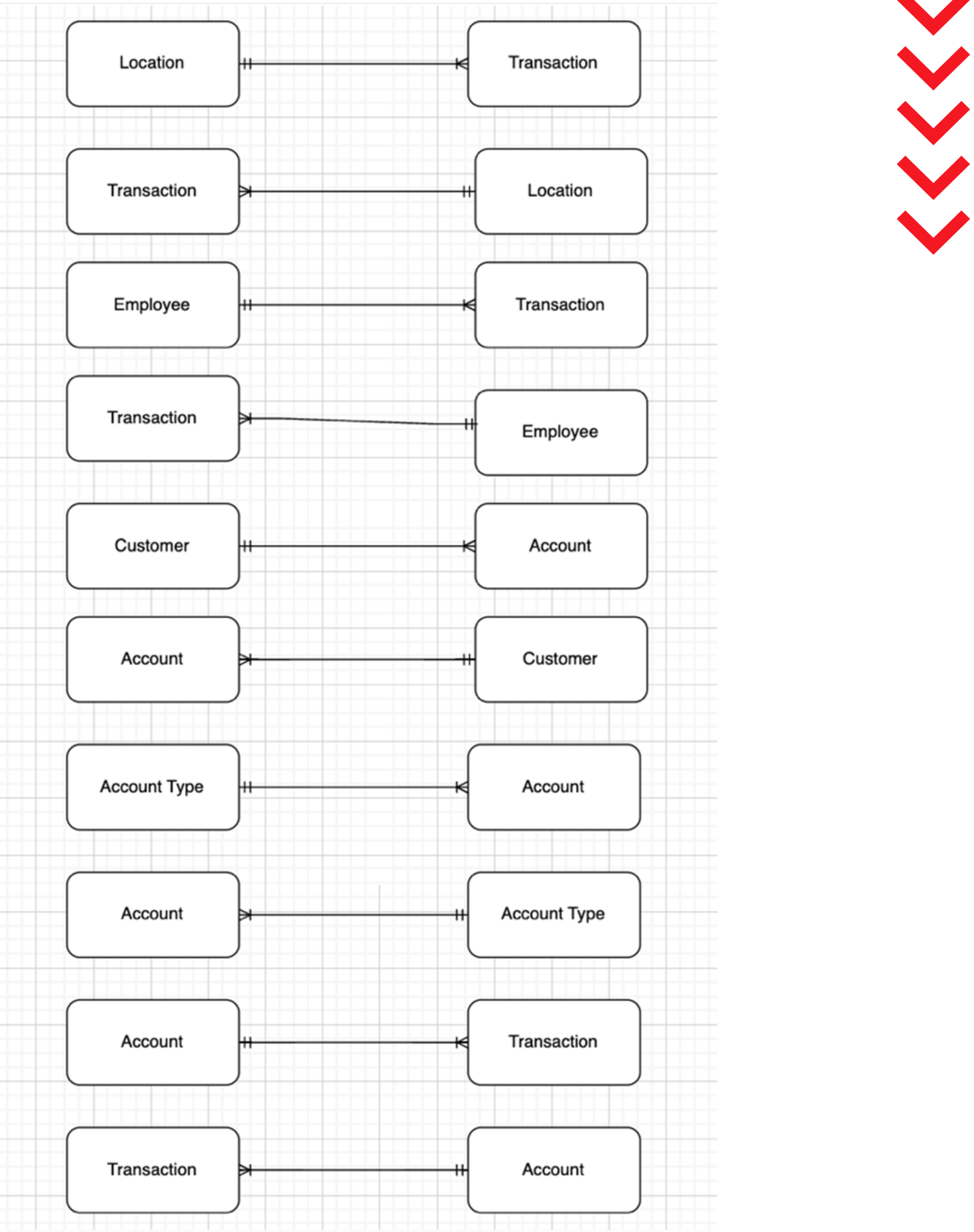
BUSINESS RULES



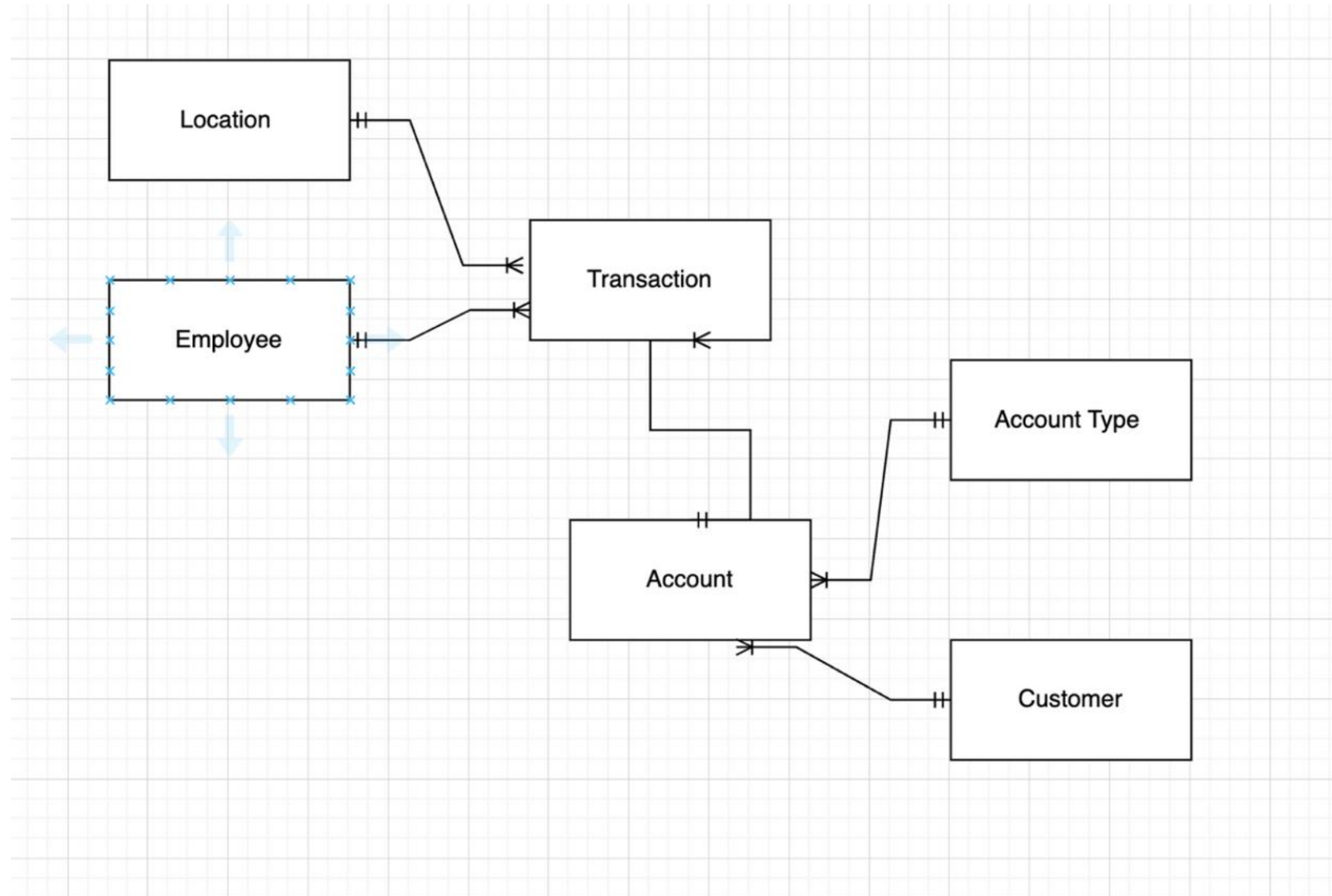
All one to many relationships:

1. One customer can have many accounts.
2. One account type can be related to many accounts
3. One account can have many transactions
4. One employee can create many transactions.
5. One location can have many transactions associated with it

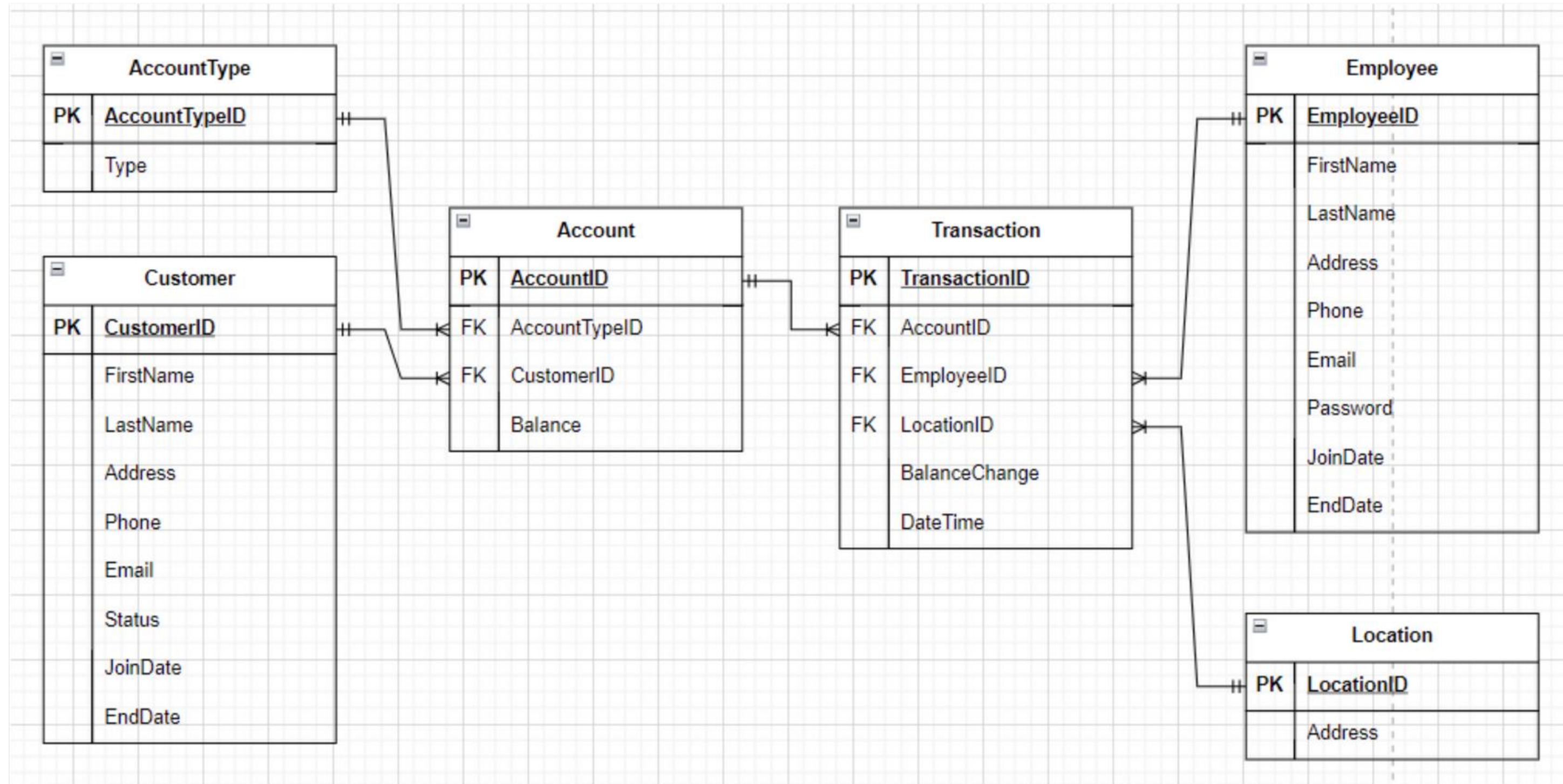
External View



CONCEPTUAL DESIGN



ERD



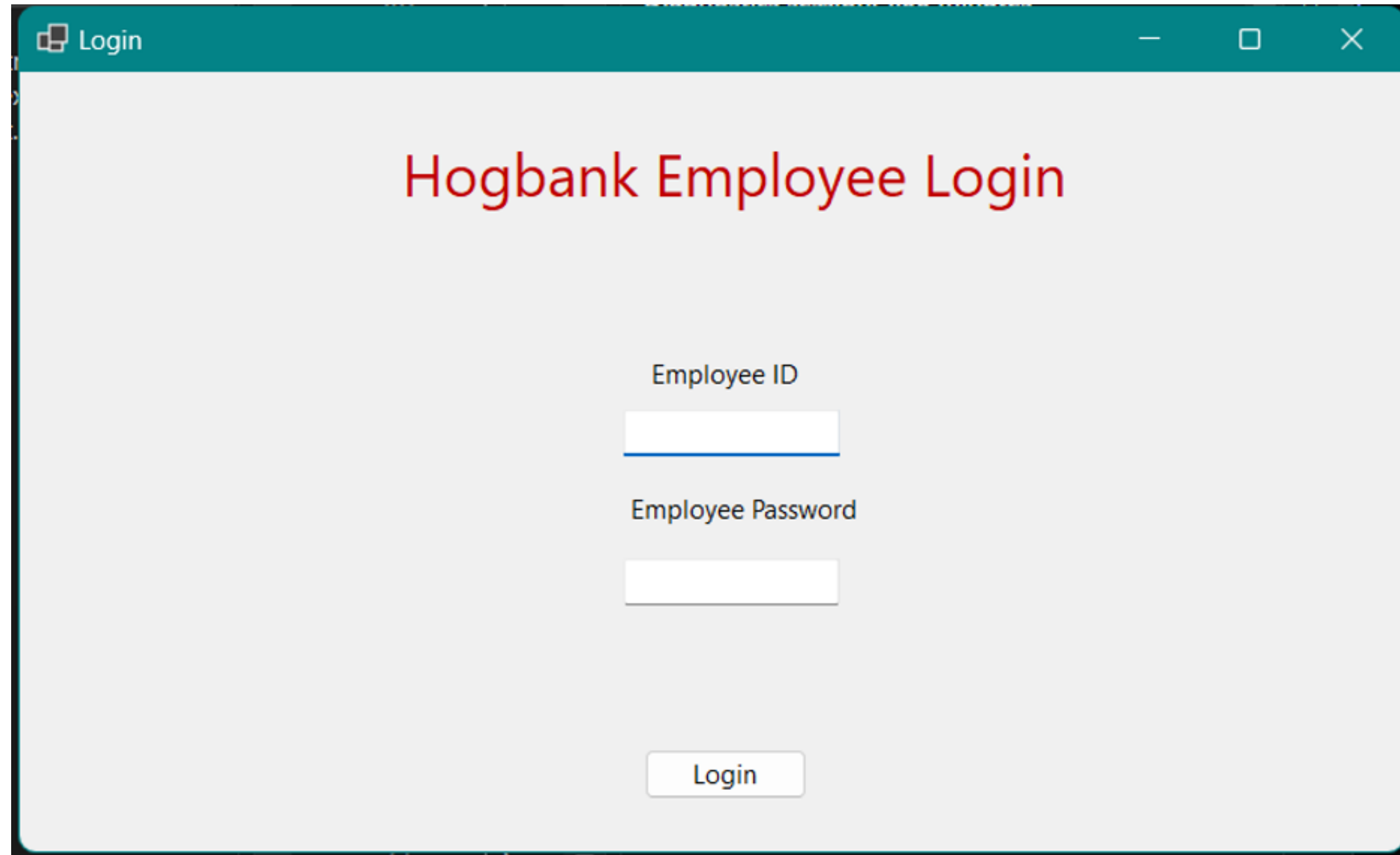


AN IN-DEPTH APPROACH

LIVE DEMO



LOGIN MENU



A screenshot of a web application window titled "Login". The window has a teal header bar with the title "Login" and standard window control buttons (minimize, maximize, close). The main content area is light gray and contains the text "Hogbank Employee Login" in a large, red, sans-serif font. Below this text are two input fields: "Employee ID" and "Employee Password", both with white backgrounds and blue borders. At the bottom center of the form is a "Login" button with a white background and a gray border.

Login

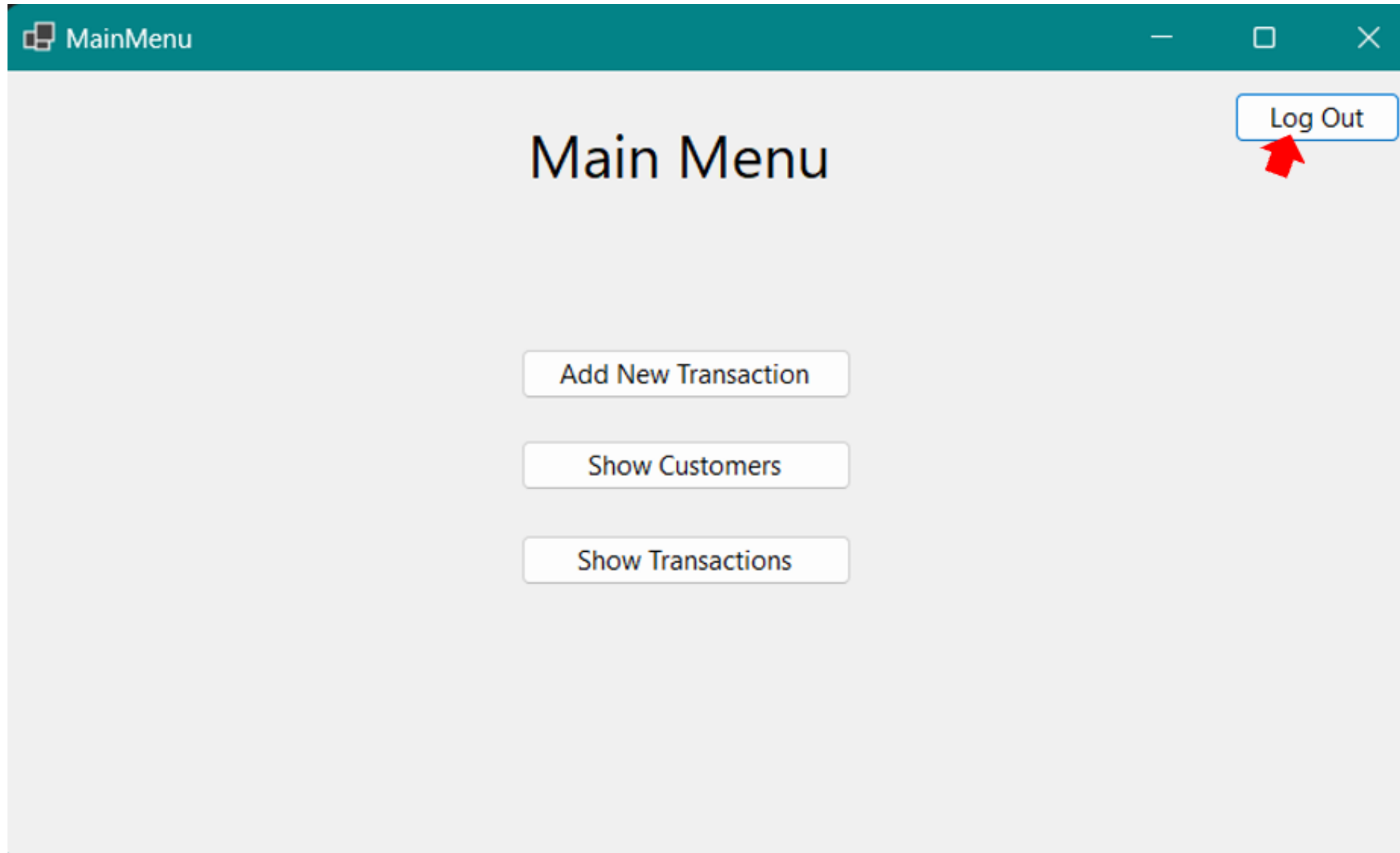
Hogbank Employee Login

Employee ID

Employee Password

Login

MAIN MENU



ADD TRANSACTION

AddTransaction

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□

×

Add Transaction

Account ID

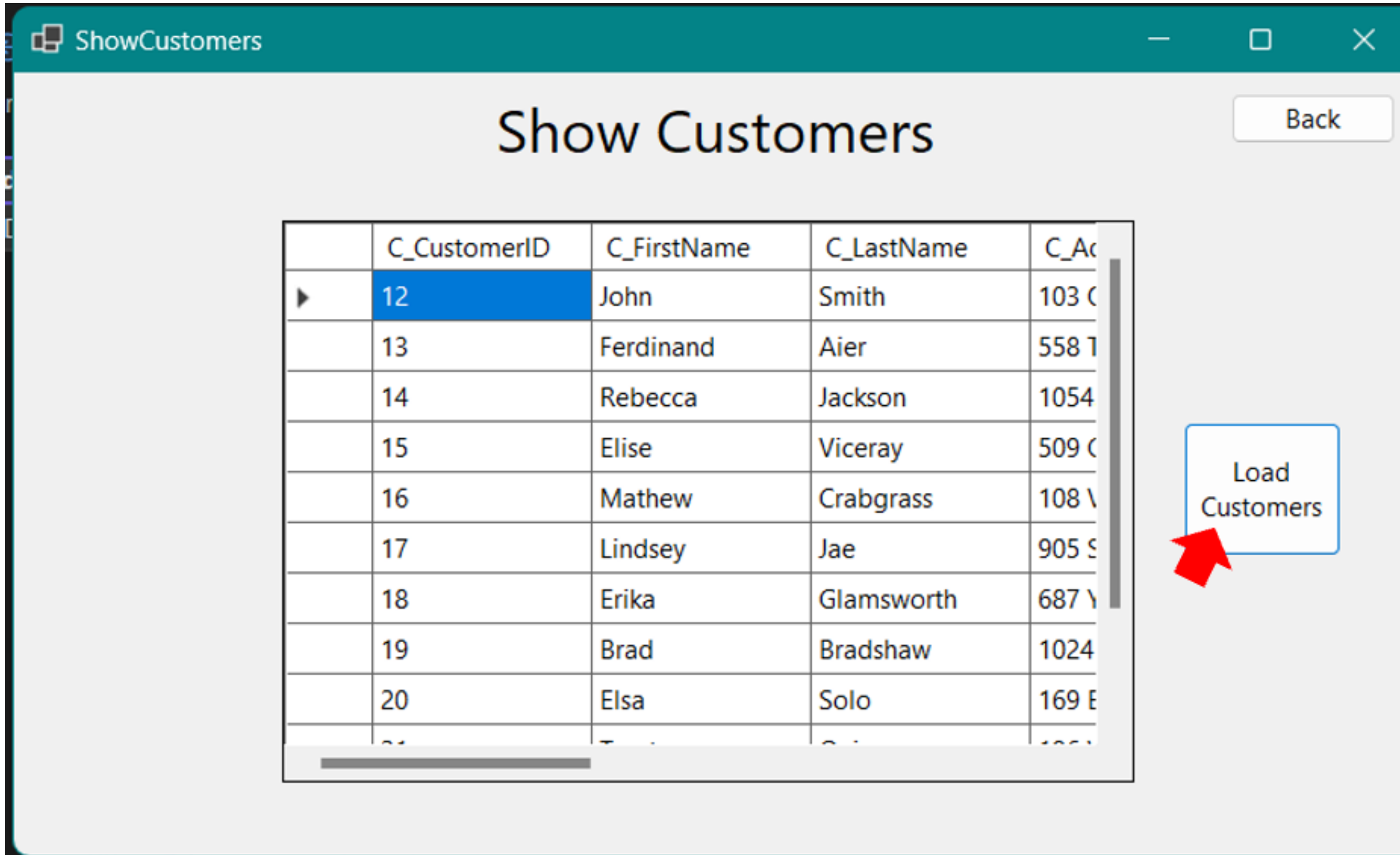
Employee ID

Location

Balance Change

Create Transaction

SHOW CUSTOMERS



Show Customers

Back

	C_CustomerID	C_FirstName	C_LastName	C_AccountID
▶	12	John	Smith	103 C
	13	Ferdinand	Aier	558 T
	14	Rebecca	Jackson	1054
	15	Elise	Viceray	509 C
	16	Mathew	Crabgrass	108 V
	17	Lindsey	Jae	905 S
	18	Erika	Glamsworth	687 V
	19	Brad	Bradshaw	1024
	20	Elsa	Solo	169 E
	21	Tom

Load Customers

SHOW TRANSACTIONS

ShowTransactions

Show Transactions

Back

	T_TransactionLog	T_AccountID	T_EmployeeID	T
▶	1	1	11	1
	6	15	20	10
	8	7	15	5
	11	8	17	9
	12	11	11	3
	14	3	13	7
	20	6	14	5
	21	3	16	4
	22	10	12	6
	23	2	20	4

Load Transactions



KEY TAKEAWAYS

01

Start simple, then expand.

02

Breaking work into phases is much more manageable.

03

If something can go wrong, it will go wrong.



FUTURE WORK

1. Add more menu options such as:
 - Update Customer
 - Create Customer
 - Add More Transaction Types
 - Update Transactions

