DotNet Final Project Proposal: Bank Management System

Names and IDs Group 12

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1. Project Name:
Bank Management System

2. Problem Statement:
Traditional banking operations often involve long queues, manual processes, and limited access to banking services outside of office hours. This can lead to inefficiencies, customer dissatisfaction, and increased operational costs for banks. There is a need for a comprehensive, automated solution to streamline banking operations while enhancing customer experience.

3. Objective:
Develop a webbased Bank Management System using the .NET framework to automate and optimize banking operations, providing customers with secure, efficient, and userfriendly banking services.

4. Functional and NonFunctional Requirements:

Functional Requirements:
 Account management (create, update, and delete accounts).
 Online money transfer and bill payment.
 Loan application and management.
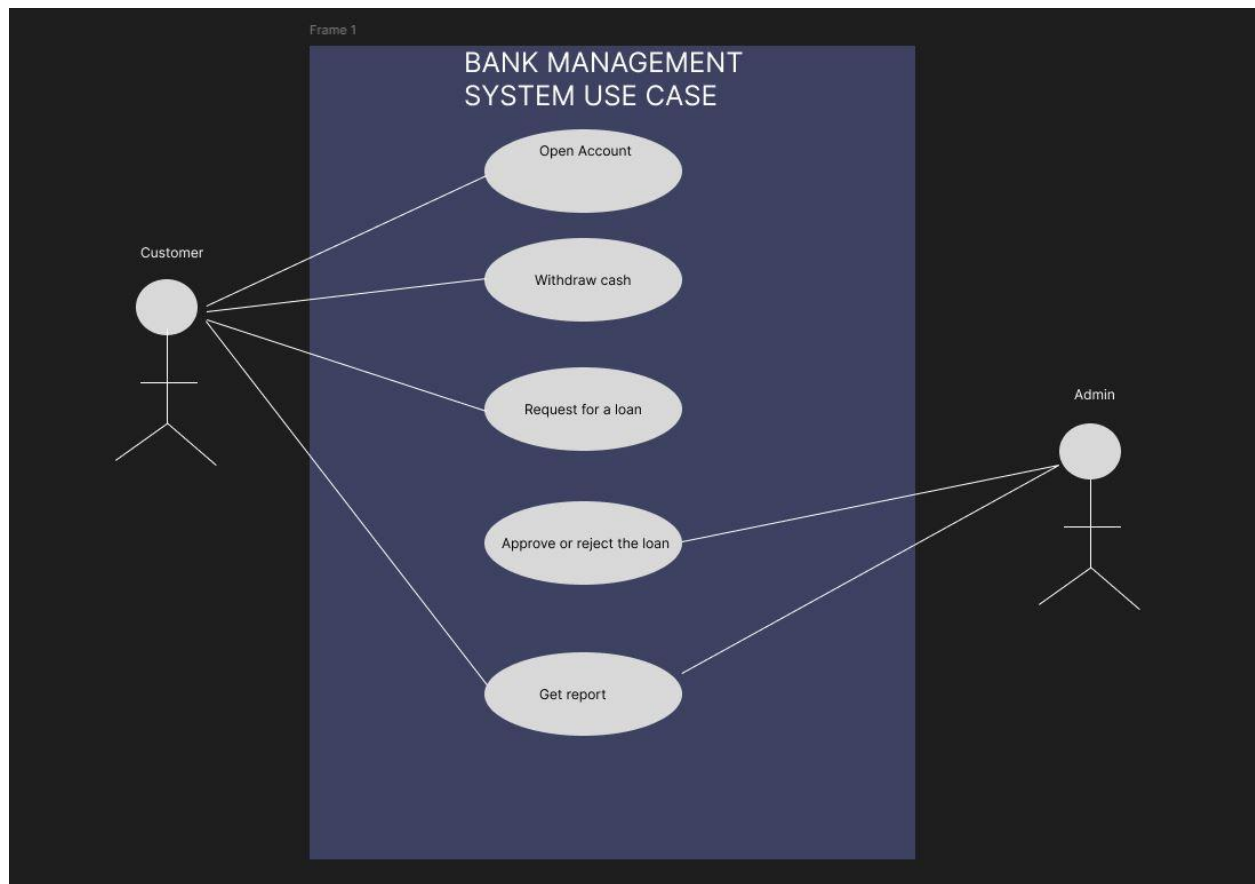 Transaction history and account statements.

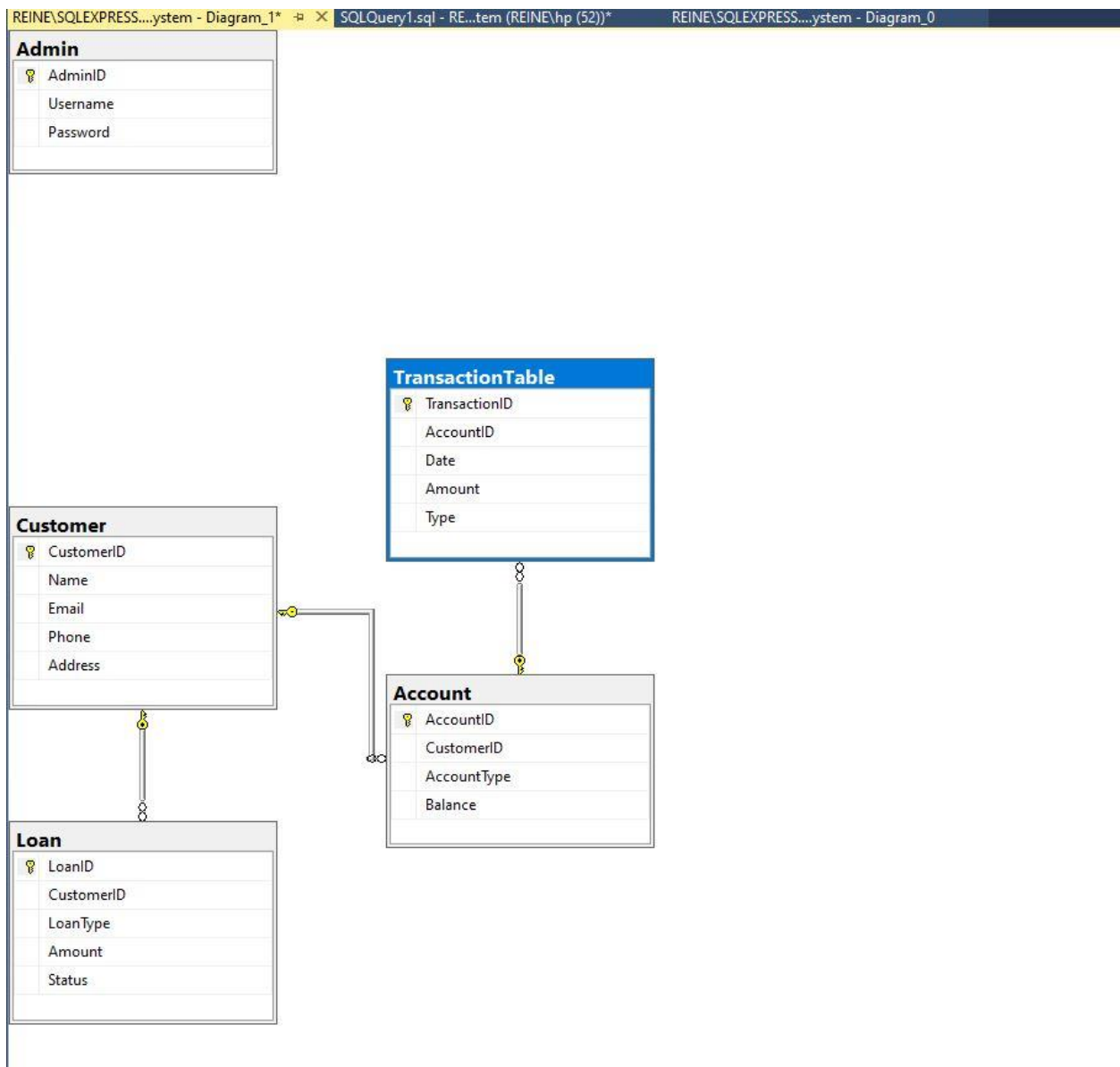 Rolebased access for admin, staff, and customers.

NonFunctional Requirements:

 Secure data encryption for transactions and customer information.

Userfriendly interface for seamless navigation.

5. Use Case Diagram:

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6. Database Diagram:

Admin

🔑	AdminID
	Username
	Password

TransactionTable

🔑	TransactionID
	AccountID
	Date
	Amount
	Type

Customer

🔑	CustomerID
	Name
	Email
	Phone
	Address

Account

🔑	AccountID
	CustomerID
	AccountType
	Balance

Loan

🔑	LoanID
	CustomerID
	LoanType
	Amount
	Status

7. Project Timeline:

Day 1: Requirement gathering and system design.

Day 2: Database design and setup.

Day 3: Coding

Day 8: Testing and debugging.

Day 9: Final review