
Persistence Tier – Day 1

SQL Server

High Level Design

<1.0> | <Date>



Revision History

Ver	Change description	De-	Sections	Date	Author	Reviewer
1.0						
0.2						
0.1						

References

The reader should read this document in conjunction with the following documents:

No	Document Name	Ver.	Location
1			
2			

Abbreviation

The following abbreviations have been used in this document:

Abbreviation	Expansion	Remarks

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1 Objective

Assignment 1: Database Model

Estimated time: 1 Hour and 30 minutes

Problem statement:

Normalize the following data to 1NF, 2NF and 3NF and write ER Diagrams for the 3NF

Note: use excel sheet to represent Normalized data in separate excel sheets named 1NF, 2NF and 3NF

- 1) We have added all the columns in the excelsheet and you need to normalize the database.

BranchId	BranchName	AccountId	Holder-Name	MinimumBalance	Balance
1	icici bank J.P.Nagar	AC1	X	500	5000
4	Andhra bank J.P.Nagar	AC2	Y	1000	10000
5	SBI bank J.P.Nagar	AC3	Z	2000	20000

Note: Please find the link which we allow to view all the column names for normalization.

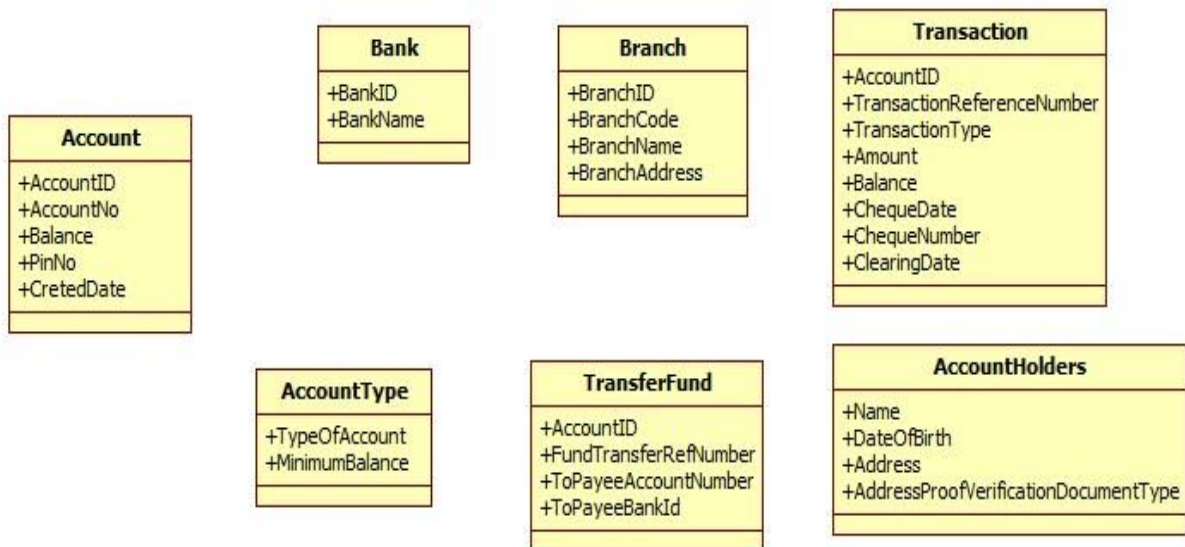
[Day 1 Bank.xlsx](#)

- 2) You need to come out the E-R Model for the normalized tables.

Assignment 2: Database Fundamentals

Estimated time: 1 hour and 30 minutes

Problem statement: Create following tables in the database:



Consider the following things when creating the tables.

1. Create Constraints like Primary and Foreign Key.
2. Decide whether the column should be Null / Not Null
3. Insert few records into all the tables

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