

ATM Management System Entity Relationship Diagram (ERD) Tables

These tables below provide the complete database tables details such as **Field Name, Descriptions, data types, character lengths.**

Table Name: Client

Field	Description	Type	Length
client_ID (PK)	Client ID	Int	11
fname	Client First Name	Varchar	255
lname	Client Last Name	Int	11
gender	Client Gender	Text	
age	Client Age	Int	11
contact_add	Contact Address	Int	11

Table Name: Card

Field	Description	Type	Length
card_ID (PK)	Card ID	Int	11
card_number	Card Number	Int	11

Table Name: Balance Inquiries

Field	Description	Type	Length
bal_ID (PK)	Balance ID	Int	11
client_ID (FK)	Client ID	Int	11
card_ID (FK)	Card ID	Int	11
balance	Remaining Balance	Int	11

Table Name: Withdraws

Field	Description	Type	Length
with_ID (PK)	Withdraws ID	Int	11
client_ID (FK)	Client ID	Int	11
card_ID (FK)	Card ID	Int	11
Amount	Amount	Int	11

Table Name: Savings

Field	Description	Type	Length
save_ID (PK)	Withdraws ID	Int	11
client_ID (FK)	Client ID	Int	11
card_ID (FK)	Card ID	Int	11
Amount	Amount	Int	11

Table Name: Transaction Records

Field	Description	Type	Length
trans_ID (PK)	Transaction ID	Int	11
type_ID (FK)	Transaction Type	Int	11
client_ID (FK)	Client ID	Int	11
date	Date of Transaction	Date	

Table Name: Transaction Type

Field	Description	Type	Length
type_ID (PK)	Transaction Type ID	Int	11
name_ID (FK)	Transaction Name ID	Int	11

Table Name: Reports

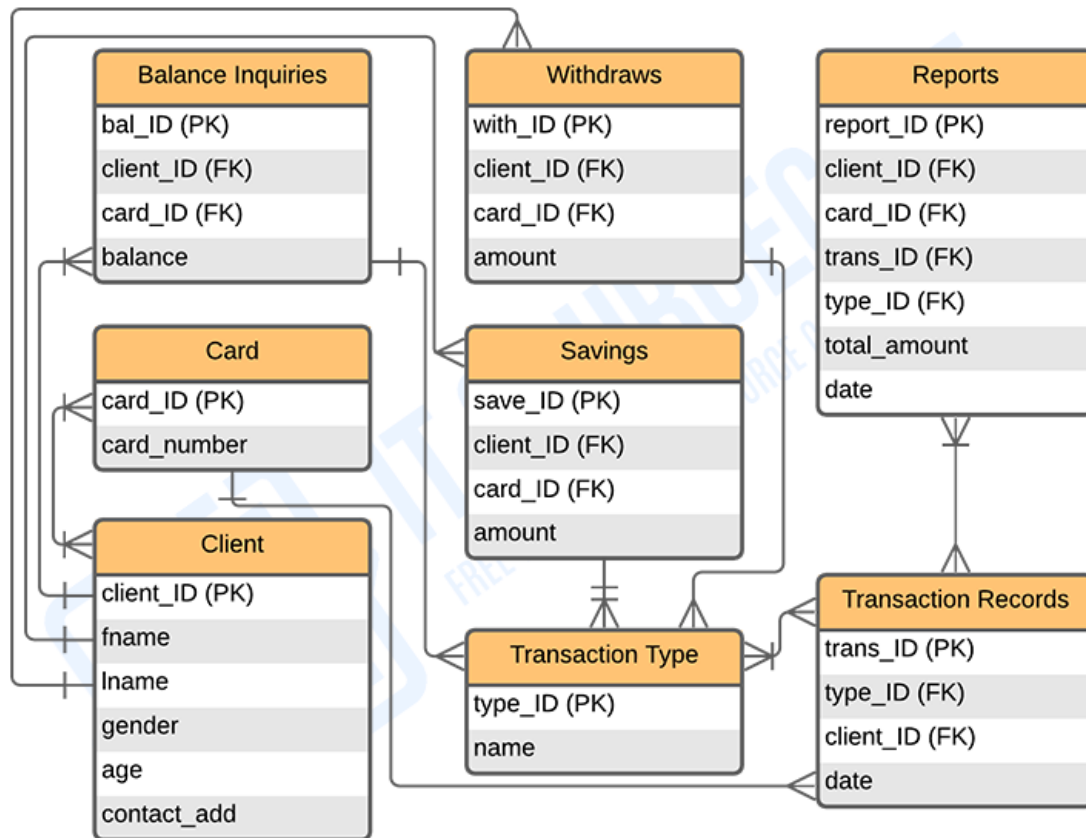
Field	Description	Type	Length
report_ID	Report ID	Int	11
client_ID (FK)	Client ID	Int	11
card_ID (FK)	Card ID	Int	11
trans_ID (FK)	Transaction ID	Int	11
type_ID (FK)	Type ID	Int	11
total_amount	Total Amount	Int	11
date	Date of Report	Date	

Entity Relationship Diagram for ATM Management System

The ERD or **ER Diagram for ATM System** shows the system entity relationships in each entity and their supposed functions in each relationship. Now here's the sample ER Diagram of ATM Management System.

Sample ER Diagram for ATM Management System Project

ATM MANAGEMENT SYSTEM



ENTITY RELATIONSHIP DIAGRAM