

Login Process ER Diagram

The **ER diagram for user login process** reveals the relationships of the login entities within the database. This describes the logical structure of the system's database or data storage. It is done by identifying the login process entities, their properties, and the interactions between them.

The user login process database design is sketched out using ER diagrams. This database sketch becomes the actual basis of the system's data storage that will serve as data destination and source.

Definition of User Login Process ER Diagram

The user login process' ER Diagram is referred to as the software database design. This ER Diagram is the graphical depiction of relationships between all the entities involved in the system. Its major components are Entities, Attributes, and Relationships.

The ER Diagram is used to build and troubleshoot the System's relational database. It works best with DFD (Data Flow Diagram), which is responsible for data movement.

Importance of ER Diagram for User Login Process

The importance of ER diagram for user login process is to help in modeling its data storage or database. It is the basis of the project's database foundation for construction. This entity-relationship diagram (ERD) also aids in defining the data types to be stored such as their attributes and characteristics.

In addition to that, the ER Diagram also describes how an entity interacts with other entities. All other real-world projects are presented with ER Diagrams (database designs).

ER Diagram for User Login Process Tables

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

Name: Accounts

Field	Description	Type	Length
account_ID (PK)	Account ID	Int	11
sign_ID (FK)	Sign-up ID	Int	11
type_ID (FK)	Type ID	Int	11
login_ID (FK)	Login ID	Int	11

Table Name: Session

Field	Description	Type	Length
session_ID (PK)	Face ID	Int	11
account_ID (FK)	Student ID	Int	11
session_start	Session Start	Varchar	255
session_end	Session End	Varchar	255

Table Name: Account Type

Field	Description	Type	Length
type_ID (PK)	Account Type ID	Int	11
type_name	Type Name	Varchar	255
description	Description	Text	

Table Name: Login Details

Field	Description	Type	Length
login_ID (PK)	Login ID	Int	11
username	Username	Varchar	255
password	Password	Varchar	255

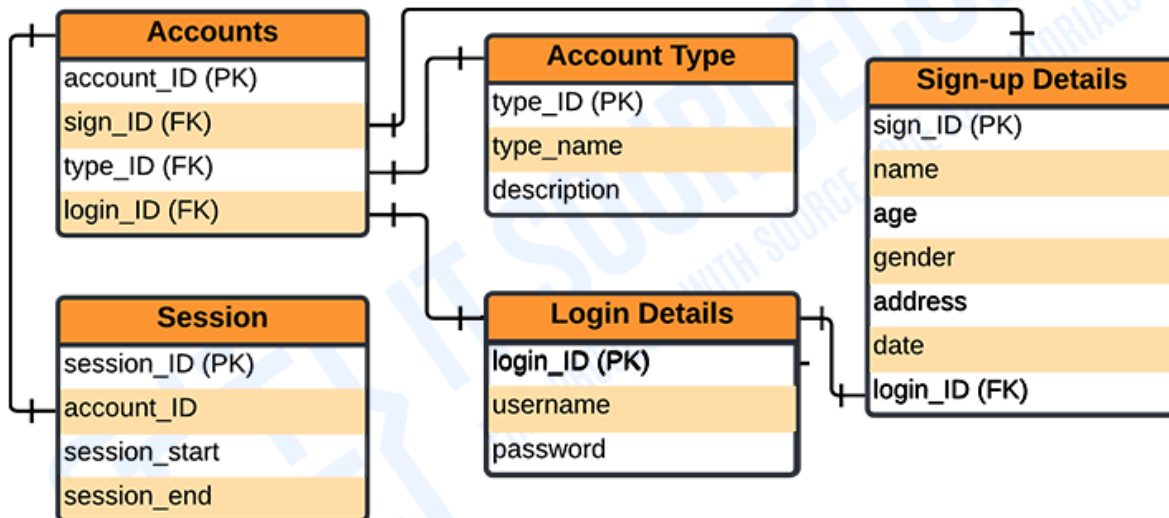
Table Name: Signup Details

Field	Description	Type	Length
sign_ID (PK)	Sign-up ID	Int	11
name	Name	Varchar	255
age	Age	Int	11
gender	Gender	Varchar	255
address	Address	Text	
date	Date	Date	
login_ID (FK)	Login ID	Int	11

User Login ER Diagram

ER Diagram of User Login Process shows the system entity and the supposed functions in each relationship. It is the supposed database design of the project. This conveys the data that would be present in the registration system, its characteristics, and its connection with other data (entity).

LOGIN PROCESS



ER DIAGRAM

ER Diagram for Login Process

This diagram presents the entities' relational model for the user login process. It is used to enlighten you on how the back end of the database of the project works. The tables are made to meet the required specification of the system and provide much more specific details of each entity within the system.