

Login and Registration Page ER Diagram

The **ER Diagram for Login and Registration Page** reveals the relationships between the login and registration entity sets in a database. This displays the logical structure of databases. It is done by identifying entities, their properties, and the interactions between them.

The login and registration page database design are sketched out using ER diagrams. This database sketch will then be used as the bases or can be converted into the system's actual database.

Definition of ER Diagram for Login and Registration Page

The login and registration page 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 software's relational database. It works best with [DFD \(Data Flow Diagram\)](#), which is responsible for data movement.

Importance of ER Diagram for Login and Registration Page

The importance of ER diagram for login and registration page 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 Login and Registration Page with Tables

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

Table 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
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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

Table Name: Logs

Field	Description	Type	Length
log_ID (PK)	Logs ID	Int	11
login_ID FK)	Login ID	Int	11
login_time	Login Time	Varchar	255
logout_tme	Logout Time	Varchar	255
activities_ID (FK)	Activities ID	Int	11
details	Details	Text	
date	Date	Date	

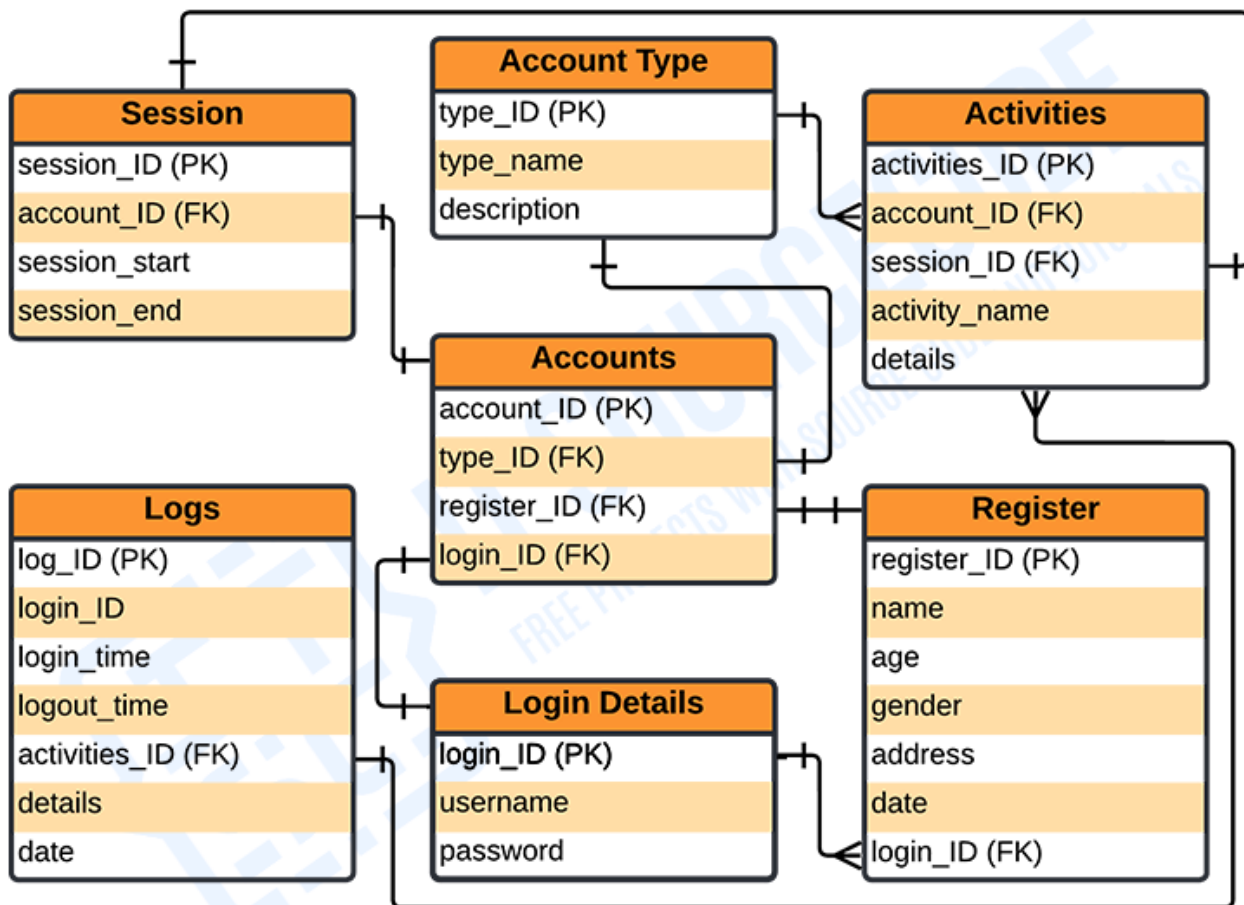
Table Name: Activities

Field	Description	Type	Length
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activities_ID (PK)	Activities ID	Int	11
account_ID (FK)	Account ID	Int	11
session_ID (FK)	Session ID	Int	11
activity_name	Activity Name	Varchar	255
details	Details	Text	

Login and Registration Page ER Diagram

ER Diagram of Login and Registration Page 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).



ER Diagram for Login and Registration Page

This diagram presents the entities' relational model for the login and registration page. 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.