Virtual Group Hackathon Exercise - CS210 - DBMS
Team-5

15-02-2021

    1) **Identify and write the Schema for all the Entities in the following Format**

T5_Advocate
(

    T5_Adv_ID,
    T5_Adv_Name,
    T5_Fees,
    T5_scheduled_num

)

T5_Visitor
(

    T5_Visitor_ID,
    T5_Name,
    T5_Aadhar,
    T5_Bill_ID,*
    T5_Bill_type

)

T5_Appointment
(

    T5_Adv_ID*,
    T5_Visitor_ID*,
    T5_Time_slot,
    T5_Bill_ID*

)

T5_Bill
(

    T5_Bill_ID,
    T5_Visitor_ID,
    T5_Bill_amount

)

T5_Payment

(

      T5_Bill_ID,

      T5_Bill_type,

      T5_Bill_amount*,

      T5_Method

)

T5_Financial_Institute

(

      T5_Aadhar,

      T5_is_Registered,

      T5_Bill_ID*,

      T5_Bill_amount*

)

Entity Name	Primary Key	Foreign Key	Relationship	Entity Type
T5_Advocate	T5_Adv_ID	(none)	T5_Appointment (One to many)	Strong entity because each advocate is unique and not dependent. It also has a primary key..
T5_Visitor	T5_Visitor_ID	T5_Bill_ID	T5_Appointment (One to many) T5_Payment (One to many) T5_Financial_Institute (Many to one)	Strong entity.

T5_Appointment	T5_Time_Slot	T5_Adv_ID, T5_Visitor_ID, Bill_ID	T5_Advocate (many to one) T5_Visitor (Many to one) T5_Bill (one to one)	<u>Strong entity</u>
T4_Bill	T5_Bill_ID	(none)	T5_Appointment (one to one)	<u>Weak entity</u>
T5_Payment	T5_Bill_ID	T5_Bill_amount	T5_Visitor (one to many) T5_Bill (one to one)	<u>Strong entity</u>
T5_Financial_Institutions	T5_Aadhar	T5_Bill_ID T5_Bill_amount	T5_Visitors (one to many) T5_Payment (one to many)	<u>Strong entity</u>

Entity	Relationship
T5_Advocate	with Appointment: **Weak**
T5_Visitor	with Appointment: **Weak**
	with Financial_Institute: **Weak**
	With Payment: **Weak**
T5_Appointment	with Advocate: **Weak**
	with Visitor: **Weak**
	With Bill: **Weak**
T5_Bill	with Payment: **Strong**
	With Appointment: **Weak**
T5_Payment	with Bill: **Strong**
	with Financial_Institute: **Strong**
T4_Financial_Institute	With Payment: **Strong**
	with Visitor: **Weak**

ER Diagram:

T5_ADVOCATE
- T5_Adv_IO (PK)
- T5_Adv_Name
- T5_Fees
- T5_Scheduled_num

T5_APPOINTMENT
- T5_Adv_ID*
- T5_Visitor_ID*
- T5_Time_Slot (PK)
- T5_Bill_ID*

Weak

T5_Bill
- T5_Bill_IO (PK)
- T5_Visitor_ID
- T5_Bill_amount

Weak

T5_VISITOR
- T5_Visitor_IO (PK)
- T5_Name
- T5_Aadhar
- T5_Bill_IO*
- T5_Bill-type

Weak

T5_PAYMENT
- T5_Bill_ID (PK)
- T5_Bill_Type
- T5_Bill_Amount*
- T5_Method

Strong

T5_FINANCIAL_INST
- T5_Adhar (PK
- T5_is_Registered
- T5_Bill_ID*
- T5_Bill_amount*

Strong