

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) _____	<u>Strong entity</u> 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_Institu te (Many to one) _____	<u>Strong entity.</u>

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_amou nt	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:

