

Database Schema (T68)

Authentication System			
Key	Attribute Name	DataType	Integrity Constraint
Primary Key	UID	VARCHAR	Not Null & Unique
Primary key	Password	VARCHAR	Not Null & Encrypted

Player			
Key	Attribute Name	DataType	Integrity Constraint
Foreign	UID	VARCHAR	Not Null

Sports Admin			
Key	Attribute Name	DataType	Integrity Constraint
Foreign/Primary	UID	VarChar	Not Null

Academic Admin			
Key	Attribute Name	DataType	Integrity Constraint
Foreign	UID	VARCHAR	Not Null

Key	Attribute Name	DataType	Integrity Constraint
Foreign	UID	VARCHAR	Not Null

Key	Attribute Name	DataType	Integrity Constraint
Foreign	UID	VARCHAR	Not Null

Key	Attribute Name	DataType	Integrity Constraint
Foreign	UID	VARCHAR	NOT NULL
Primary	Guard_ID	VARCHAR	Not Null & Unique
	Shift	String	HH-MM-HHMM

Key	Attribute Name	DataType	Integrity Constraint
Foreign	UID	VARCHAR	references from AutheticationSystem(UID)

Key	Attribute Name	DataType	Integrity Constraint
Foreign Key	UID	VarChar	Not Null
Primary	RollNumber	MIDIUMINT	6 digit integer, Not Null, Unique
	IsSportsAdmin	BOOLEAN	Not Null
	Program	TINYTEXT	BTECH,MTECH,PHD OR OTHERS
	Year	YEAR	
	AmountDue	INT	>=0

Comment			
Key	Attribute Name	DataType	Integrity Constraint
Foreign	UID	VarChar	Not Null
	DateTime	datetime	Not Null
	Content	String	Not Null

Sport			
Key	Attribute Name	DataType	Integrity Constraint
Primary	SportId	VARCHAR	Not Null & Unique
	Name	VARCHAR	Not Null

Key	Attribute Name	DataType	Integrity Constraint
Foreign	SportID	VARCHAR	Not Null
	Rules	TEXT	

Key	Attribute Name	DataType	Integrity Constraint
Foreign	EquipmentID	VARCHAR	Not Null

Key	Attribute Name	DataType	Integrity Constraint
Foreign	UID	VARCHAR	Not Null,Referenced from User table
	DateTime	DATETIME	Not Null
Primary	RequestID	Integer	Not Null & Unique
	SportsID	Integer	Not Null

Key	Attribute Name	DataType	Integrity Constraint
Primary	EquipmentID	VarChar	Not Null & Unique
Foreign	SportsID	Integer	Not Null & Referenced from Sports Table
	Equipment	String	NOT Null
	Availability	boolean	Not Null

Key	Attribute Name	DataType	Integrity Constraint
Primary	courseID	String	Not Null & Unique
	Startdate	DATE	Not Null
	Enddate	DATE	Not Null
	Credits	TINYINT	Not Null & >=0 & <=4

Key	Attribute Name	DataType	Integrity Constraint
Primary	UID	VARCHAR	Not Null & Unique
	credit	TinyInt	

User			
Key	Attribute Name	DataType	Integrity Constraint
Foreign Key	UID	VARCHAR	Not Null, Referenced from Authentication System
	Type	TINYTEXT	Not Null (Professor,Student,Sports Admin,Academic Admin,Guard)
	Email	VARCHAR	"Email@IIITD.AC.IN"
	FirstName	TINYTEXT	Not Null
	LastName	TINYTEXT	Not Null

Accident			
Key	Attribute Name	DataType	Integrity Constraint
Foreign	Guard_ID	VarChar	Can be Null
Primary	accident_ID	VarChar	Not Null & Unique
	Status	Boolean	Can be Null
	Fine Amount	INT	>=0
	Extras	TEXT	Can be Null
	DateTime	DATETIME	NOT Null

Complaint/Feedback			
Key	Attribute Name	DataType	Integrity Constraint
Primary Key	complaintID	VarChar	Not Null & Unique
	Status	String	Not Null
	Date_Time	datetime	Not Null
	Extras	VarChar	

Event			
Key	Attribute Name	DataType	Integrity Constraint
Primary	EventID	Integer	Not Null & Unique
	Timings	TIMESTAMP	Not Null
	Description	TEXT	

Key	Attribute Name	DataType	Integrity Constraint
Foreign	SportsID	Integer	Can be Null ,referenced from sports
Primary	facility_ID	Integer	Not Null & Unique
	Name	VarChar	Not Null
	Occupency	VarChar	Not Null

Announcement			
Key	Attribute Name	DataType	Integrity Constraint
Primary	AnnouncementID	Integer	Not Null & Unique
Foreign	SportID	Integer	Not Null ,referenced from sports
	comments	TEXT	
Foreign	SportName	VarChar	not null ,referenced from sports
	DateTime	DATETIME	Not null
	FormLink	TEXT	Not null,URL

Proposal			
Key	Attribute Name	DataType	Integrity Constraint
	UID	VARCHAR	Not Null & Unique
	receiving date	DATE	Not Null
	Acceptance date	DATE	Not Null
	status	BOOLEAN	Not Null
	Comments	TEXT	

Attendance Data			
Key	Attribute Name	DataType	Integrity Constraint
Primary	UID	VarChar	Not Null & Unique
	Start_Time	TIME	Not Null
	End_Time	TIME	Not Null
	verification	BOOLEAN	Not Null
	Summary	TEXT	Not Null