

4.5 TABLE DESIGN

Usertable

Primary key: email

No	Field Name	Datatype	Key Constraints	Description of the field
1	username	CharField	Optional	Username for the user
2	role	CharField	Default: "normal_user"	Role of the user
3	<u>email (PK)</u>	EmailField	Primary key, Unique	Unique identifier for the user
4	dob	DateField	Default: '2000-01-01'	Date of birth for the user
5	phone_number	CharField	NULL	User's phone number
6	Password	CharField	NOT NULL	Login password

TurfProvider

Primary key: email

No	Field Name	Datatype	Key Constraints	Description of the field
1	venue_name	CharField	NOT NULL	Name of the venue provided by TurfProvider
2	email (PK)	EmailField	UNIQUE	Primary key and unique identifier for TurfProvider
3	contact_number	CharField	NOT NULL	Contact number for the TurfProvider
4	document	FileField	NOT NULL	Uploaded identity document of TurfProvider
5	address	TextField	NULL	Address of the TurfProvider
6	location	CharField	NULL	Location of the TurfProvider
7	is_active	BooleanField	Default: False	Indicates if the TurfProvider is active or not
8	random_password	CharField	NULL	Randomly generated password for TurfProvider (optional)
9	password_updated	BooleanField	Default: False	Indicates if the password for TurfProvider has been updated

TurfListing

Primary key: turfId

Foreign Key : turf_provider references TurfProvider

No	Field Name	Datatype	Key Constraints	Description of the field
1	turfId (PK)	Primary Key	UNIQUE	Primary id of each turf
2	turf_provider	ForeignKey	(TurfProvider)	Relationship field linking TurfListing to TurfProvider
3	turf_name	CharField	NULL	Name of the turf provided
4	description	TextField	NULL	Description about the TurfListing
5	price_per_hour	DecimalField	NULL	Price per hour for using the turf
6	location	CharField	NULL	Location of the turf
7	is_available	BooleanField	Default: True	Indicates if the turf is available for booking
8	available_from	TimeField	NOT NULL	Starting time for the availability of the turf
9	available_to	TimeField	NOT NULL	Ending time for the availability of the turf
10	created_at	DateTimeField	Auto-generated	Timestamp for when the TurfListing was created

TurfImage

Primary key: imageid

Foreign Key : turf_listing references TurfListing

No	Field Name	Datatype	Key Constraints	Description of the field
1	imageid (PK)	Primary Key	UNIQUE	Unique id for each turf image
2	turf_listing	ForeignKey	(TurfListing)	Relationship field linking TurfImage to TurfListing
3	image	ImageField	NULL	Uploaded image related to the TurfListing

booking :

Primary key: bid

Foreign Key : user references Usertable

turf_provider references TurfProvider,

turf_listing references Turf_Listing

No	Field Name	Datatype	Key Constraints	Description of the field
1	bid (PK)	Primary Key	UNIQUE	Booking id
2	user	ForeignKey	(Usertable)	Relationship field linking Booking to Usertable
3	turf_listing	ForeignKey	(TurfListing)	Relationship field linking Booking to TurfListing
4	turf_provider	ForeignKey	(TurfProvider)	Relationship field linking Booking to TurfProvider
5	booking_date	DateField	NULL	Date of the booking
6	start_time	TimeField	NULL	Start time of the booking
7	end_time	TimeField	NULL	End time of the booking
8	total_cost	DecimalField	NULL	Total cost of the booking
9	created_at	DateTimeField	Auto-generated	Timestamp for when the booking was created

Payment :

Primary key: Pid

Foreign Key : bid references booking

No	Field Name	Datatype	Key Constraints	Description of the field
1	Pid (PK)	Primary Key	UNIQUE	Payment ID
2	Bid (FK)	ForeignKey	(Booking)	Relationship field linking Payment to Booking
3	Amount	DecimalField	NULL	Amount of the payment
4	Payment Date	DateField	NULL	Date of the payment
5	Is Successful	BooleanField	Default: False	Indicates if the payment was successful