

## TABLE DESIGN

### CustomUser:

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each user
username	String	Unique	User's username
email	String	Unique	User's email address
password	String	Notnull	User's password
first_name	String	Notnull	User's first name
last_name	String	Notnull	User's last name
is_staff	Boolean	Notnull	Indicates if the user is a staff member
is_superuser	Boolean	Notnull	Indicates if the user is a superuser
date_joined	DateTime	Notnull	Date and time when the user joined
last_login	DateTime	Notnull	Date and time of the user's last login
role	String	Notnull	Custom role assigned to the user

### TrackdayRegistration:

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each registration
rider_id	Integer	Foreign Key to CustomUser(id)	ID of the rider who registered
rider_name	String	Notnull	Name of the rider
trackday_date	Date	Notnull	Date of the trackday

Column Name	Data Type	Constraints	Description
number_of_trackdays	Integer	Notnull	Number of trackdays registered for
gearrental	Boolean	Notnull	Indicates if gear rental is required
vehiclerental	Boolean	Notnull	Indicates if vehicle rental is required
licensepdf	File	Notnull	PDF file of rider's license
profilepicture	Image	Notnull	Profile picture of the rider

#### CompanyTrackdayRegistration:

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each company registration
user_id	Integer	Foreign Key to CustomUser(id)	ID of the user (company) who registered
company_name	String	Notnull	Name of the company
trackday_date	Date	Notnull	Date of the trackday
rider_details_pdf	File	Notnull	PDF file containing rider details

#### UserProfile:

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each user profile
user_id	Integer	Foreign Key to CustomUser(id), Unique	ID of the user associated with this profile

Column Name	Data Type	Constraints	Description
time	Duration	Notnull	Duration field for lap times, if applicable
category	String	Notnull	Category of the user, if applicable

### Trackday:

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each trackday
date	Date	Notnull	Date of the trackday

### Bike:

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each bike
name	String	Notnull	Name of the bike
displacement	String	Notnull	Displacement of the bike
max_power	String	Notnull	Maximum power of the bike
max_torque	String	Notnull	Maximum torque of the bike
additional_features	Text	Notnull	Additional features of the bike
rent_per_day	Decimal	Notnull	Rental cost per day
image	Image	Notnull	Image of the bike
available_count	Integer	Notnull	Number of bikes available
is_available	Boolean	Notnull	Indicates if the bike is available

**StaffProfile:**

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each staff profile
username	String	Unique	Username of the staff member
email	Email	Unique	Email address of the staff member
status	String	Notnull	Status of the staff member (pending, approved, rejected)
phone_number	String	Notnull	Phone number of the staff member
address	Text	Notnull	Address of the staff member
date_of_birth	Date	Notnull	Date of birth of the staff member
aadhaar_card	Image	Notnull	Image of the Aadhaar card of the staff member
joining_date	Date	Notnull	Date when the staff member joined
profile_picture	Image	Notnull	Profile picture of the staff member

**Booking:**

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each booking
bike_id	Integer	Foreign Key to Bike(id)	ID of the booked bike
rider_id	Integer	Foreign Key to CustomUser(id)	ID of the user who made the booking
booked_date	Date	Notnull	Date of the booking
trackdayregistration_id	Integer	Foreign Key to TrackdayRegistration(id)	ID of the related trackday registration, if applicable
is_completed	Boolean	Notnull	Indicates if the booking is completed

**BikeRental:**

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each bike rental
rider_id	Integer	Foreign Key to CustomUser(id)	ID of the user renting the bike
rented_at	DateTime	Notnull	Date and time when the bike was rented

**BookingConfirmation:**

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each booking confirmation
booking_id	Integer	One-to-One with Booking(id)	ID of the related booking
confirmation_date	Date	Notnull	Date of the booking confirmation
additional_details	Text	Notnull	Additional details for the booking confirmation
trackday_registration_id	Integer	Foreign Key to TrackdayRegistration(id)	ID of the related trackday registration, if applicable
total_rent	Decimal	Notnull	Total rental amount for the booking
status	String	Notnull	Status of the booking confirmation

**RiderDetails:**

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each rider detail
rider_id	Integer	Foreign Key to CustomUser(id)	ID of the rider
timestamp	DateTime	Notnull	Date and time when the details were recorded
confirmation_date	Date	Notnull	Date of the confirmation
trackdays	Integer	Notnull	Number of trackdays registered
trackday_date	Date	Notnull	Date of the trackday
current_status	String	Notnull	Current status of the rider
vehicle_name	String	Notnull	Name of the vehicle rented
rental_amount_per_day	Decimal	Notnull	Rental amount per day
number_of_trackdays	Integer	Notnull	Number of trackdays rented
total_rental_amount	Decimal	Notnull	Total rental amount
total_trackday_amount	Decimal	Notnull	Total amount for trackdays
total_amount	Decimal	Notnull	Total amount
vehicle_image	Image	Notnull	Image of the vehicle

**BookingConfirmed:**

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each confirmed booking
rider_id	Integer	Foreign Key to CustomUser(id)	ID of the user (rider)
bike_id	Integer	Foreign Key to Bike(id)	ID of the booked bike
confirmed_date	DateTime	Notnull	Date and time when the booking was confirmed
trackday_date	Date	Notnull	Date of the trackday
number_of_trackdays	Integer	Notnull	Number of trackdays booked
total_rental_amount	Decimal	Notnull	Total rental amount for the booking
total_trackday_fee	Decimal	Notnull	Total fee for trackdays
total_amount	Decimal	Notnull	Total amount for the booking
status	String	Notnull	Status of the booking
cancelled_date	DateTime	Notnull	Date and time when the booking was cancelled, if applicable
cancellation_status	String	Notnull	Status of the cancellation, if applicable

**PaymentRecord:**

Column Name	Data Type	Constraints	Description
id	Integer	Primary Key, AutoIncrement	Unique identifier for each payment record
user_id	Integer	One-to-One with CustomUser(id)	ID of the user (rider)

Column Name	Data Type	Constraints	Description
rider_name	String	Notnull	Name of the rider
trackday_date	Date	Notnull	Date of the trackday
number_of_trackdays	Integer	Notnull	Number of trackdays registered
rental_amount	Decimal	Notnull	Rental amount
amount	Decimal	Notnull	Payment amount
confirmed_date	DateTime	Notnull	Date and time when the payment was confirmed