

 BIKE SERVICE MANAGEMENT SYSTEM

# Schema for MetaDATA

Complete PostgreSQL database schema for a  
modern bike service & repair platform

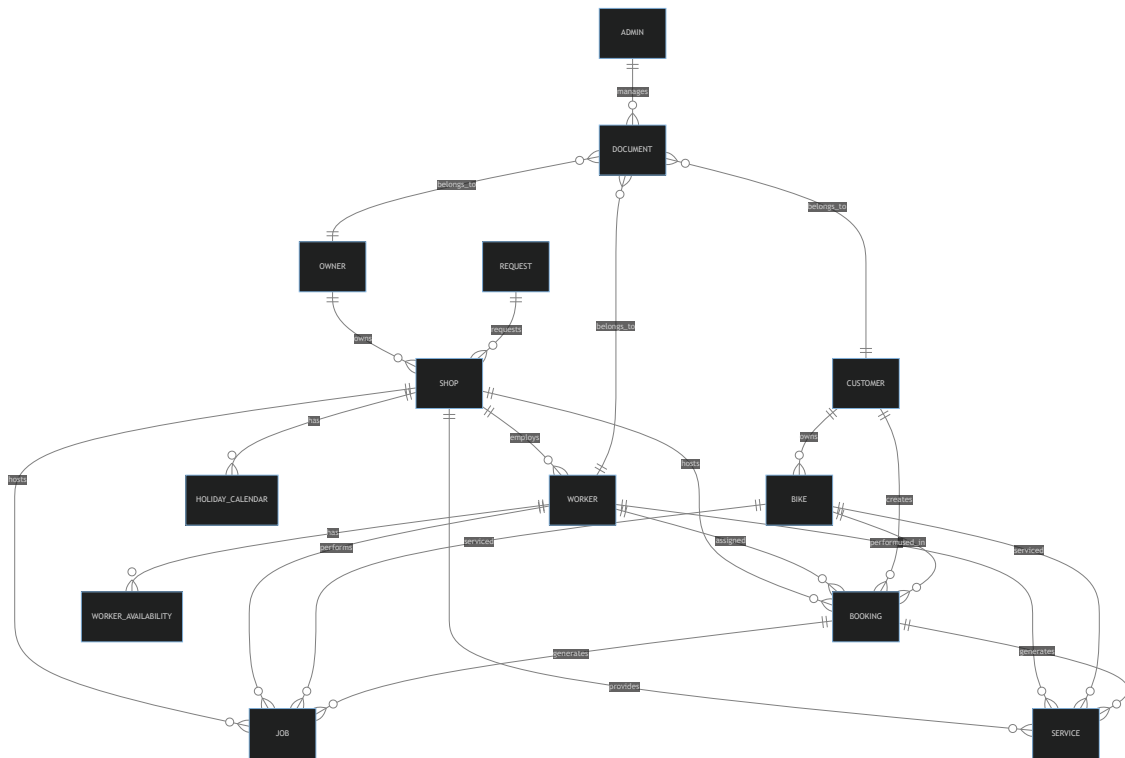
13 tables

28 relationships

Production ready

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## Entity Relationship Diagram



# All 13 Tables



owner



Column	Type	Key
owner_id	SERIAL	PK
mail	VARCHAR(255)	UNIQUE
password	VARCHAR(255)	

Column	Type	Key
phone	VARCHAR(15)	
aadhaar_card	VARCHAR(12)	UNIQUE
picture	TEXT	



shop



Column	Type	Key
shop_id	SERIAL	PK
owner_id	INTEGER	FK → owner
location	TEXT	
location_link	TEXT	
worker_id_array	INTEGER[]	
revenue	NUMERIC(15,2)	
rating	NUMERIC(3,2)	
picture_array	TEXT[]	
holiday_calendar_id	INTEGER	FK → holiday_calendar



worker



Column	Type	Key
worker_id	SERIAL	PK
shop_id	INTEGER	FK → shop
mail	VARCHAR(255)	UNIQUE
password	VARCHAR(255)	
age	INTEGER	
aadhaar_card	VARCHAR(12)	UNIQUE
rating	NUMERIC(3,2)	
total	NUMERIC(15,2)	
service	INTEGER	
booking	INTEGER	
revenue	NUMERIC(15,2)	
performance_score	NUMERIC(5,2)	
picture	TEXT	



customer



Column	Type	Key
customer_id	SERIAL	PK
mail	VARCHAR(255)	UNIQUE

Column	Type	Key
password	VARCHAR(255)	
aadhaar_card	VARCHAR(12)	
bike_id_array	INTEGER[ ]	
rating	NUMERIC(3,2)	
token	TEXT	
preferance_score	NUMERIC(5,2)	
token_regenerated_at	TIMESTAMP	
created_at	TIMESTAMP	
picture	TEXT	
location	TEXT	



bike



Column	Type	Key
bike_id	SERIAL	PK
reg_number	VARCHAR(20)	UNIQUE
regn_number	VARCHAR(20)	
owner_name	VARCHAR(255)	
owner_id	INTEGER	FK → customer

Column	Type	Key
regn_date	DATE	
color	VARCHAR(50)	
fuel	VARCHAR(50)	
vehicle_class	VARCHAR(50)	
body_type	VARCHAR(50)	
manufacturer	VARCHAR(100)	
chassis_no	VARCHAR(50)	
enginee	VARCHAR(50)	
model_no	VARCHAR(50)	
manufacture_date	DATE	
refid_validity	DATE	
address	TEXT	
picture_array	TEXT[ ]	



request



Column	Type	Key
request_id	SERIAL	PK
owner_name	VARCHAR(255)	

Column	Type	Key
shop_name	VARCHAR(255)	
phone_number	VARCHAR(15)	
location	TEXT	
aadhaar_card_photo	TEXT	
status	VARCHAR(50)	
created_at	TIMESTAMP	



booking



Column	Type	Key
booking_id	SERIAL	PK
created_at	TIMESTAMP	
customer_id	INTEGER	FK → customer
bike_id	INTEGER	FK → bike
booking_trust	BOOLEAN	
issue_from_customer	TEXT	
shop_id	INTEGER	FK → shop
worker_id	INTEGER	FK → worker
status	VARCHAR(50)	

Column	Type	Key
cancelled_description	TEXT	
customer_scope_status	VARCHAR(50)	
service_at	TIMESTAMP	



job



Column	Type	Key
job_id	SERIAL	PK
bike_id	INTEGER	FK → bike
shope_id	INTEGER	FK → shop
worker_id	INTEGER	FK → worker
customer_id	INTEGER	FK → customer
issue_from_customer	TEXT	
issue_from_worker	TEXT	
status	VARCHAR(50)	
new_part_insert_json	JSONB	
cancelled_description	TEXT	
start_time	TIMESTAMP	
end_time	TIMESTAMP	



Column	Type	Key
bill	NUMERIC(15,2)	



service



Column	Type	Key
service_id	SERIAL	PK
booking_created_at	TIMESTAMP	
created_time	TIMESTAMP	
customer_id	INTEGER	FK → customer
bike_id	INTEGER	FK → bike
booking_trust	BOOLEAN	
issue_from_customer	TEXT	
issue_from_worker	TEXT	
shop_id	INTEGER	FK → shop
worker_id	INTEGER	FK → worker
duration	INTEGER	
start_at	TIMESTAMP	
end_at	TIMESTAMP	
bill	NUMERIC(15,2)	

Column	Type	Key
new_part_insert_json	JSONB	
rating	NUMERIC(3,2)	
payement_status	VARCHAR(50)	
status	VARCHAR(50)	
cancelled_description	TEXT	
invoice_json	JSONB	



document



Column	Type	Key
document_id	SERIAL	PK
document_name	VARCHAR(255)	
created_at	TIMESTAMP	
document_path	TEXT	
document_by_role	VARCHAR(50)	
role_id	INTEGER	



admin



Column	Type	Key
admin_id	SERIAL	PK
mail	VARCHAR(255)	UNIQUE
password	VARCHAR(255)	
support_mail	VARCHAR(255)	
phone_number	VARCHAR(15)	
picture	TEXT	



holiday\_calendar



Column	Type	Key
holiday_calendar_id	SERIAL	PK
shop_id	INTEGER	FK → shop
created_at	TIMESTAMP	
event_holiday_dated	DATE[ ]	
recurring_days_off	INTEGER[ ]	
updated_at	TIMESTAMP	



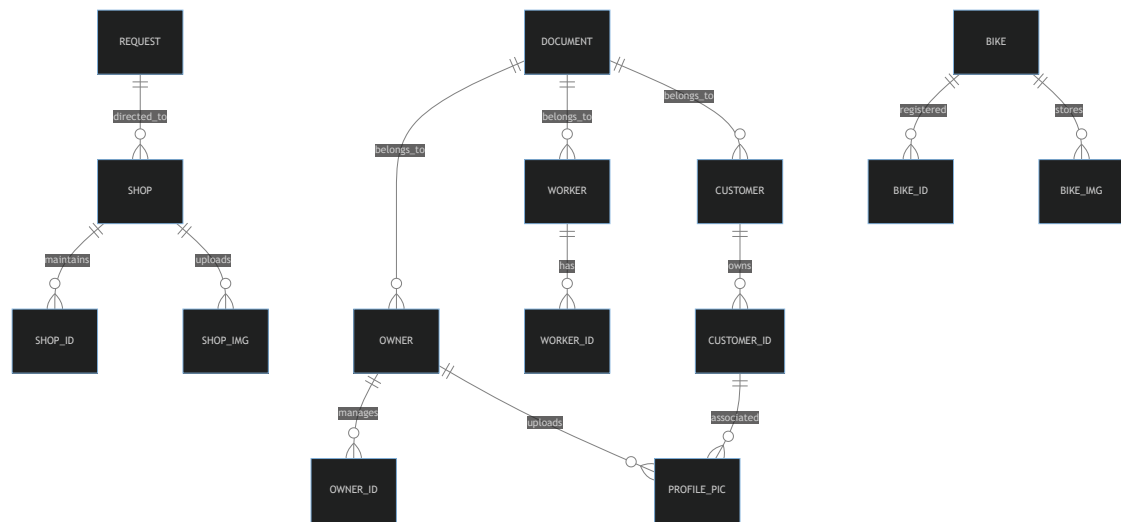
worker\_availability



Column	Type	Key
worker_id	INTEGER	FK → worker
busy_from	TIMESTAMP	
busy_till	TIMESTAMP	
bike_id	INTEGER	FK → bike
shope_id	INTEGER	FK → shop

# One Drive Schema ER Diagram

Distributed file storage and document management system architecture



## Core Entities

- Worker ID Lists
- Shop Profiles & Images
- Customer Information
- Bike Registry & Images
- Owner Profiles & Pictures

## Document Storage

- Aadhar Card Profiles
- Document Management
- Multi-entity Documentation
- Service Requests Storage
- Centralized Profile Pictures