

The diagram is an Entity-Relationship (ER) model for a retail system. It includes the following entities and their attributes:

- Admin** (PK: admin_id): admin_name, (ph_no), (email)
- Vendors** (PK: vendor_id): Name (first_name, mid_name, last_name), email, phone, address (House_no, street_no, locality, district, city, state, zipcode)
- Branches** (PK: branch_id): branch_name, branch_address (H_no, street_no, locality, district, city, state, pincode, (branch_phone_no), (s_mail))
- Product** (PK: Product_id): product_name, product_type, product_price, fault_product
- Category** (PK: category_id): category_name
- Subcategory** (PK: Subcategory_id): subcategory_name
- Order** (PK: order_id): order_name, owner, address (H_no, Street, Locality, District, State, Pincode)
- Payments** (PK: payment_id): payment_time, payment_type (cash, paytm, upi, others), amount
- Cart** (PK: cart_id): cart_status, quantity
- Customer** (PK: customer_id): customer_name (first_name, mid_name, L_name), address (H_no, Street, Locality, District, State, Pincode), (Phone_no), (email)
- Feedback** (PK: Feedback ID): ratings, description, product_ID
- Offers** (PK: offer_id): offer_name, offer_start_time, offer_end_time
- Coupons** (PK: coupon_id): name, start_time, end_time
- Vouchers** (PK: voucher_id): name, start_time, end_time, voucher_type (daily_vouchers, festive_vouchers, inactive_use_vouchers)
- Royal Rewards**: reward_points

Relationships and Cardinalities:

- governs** (Admin to Vendors): 1 to *
- runs** (Vendors to Branches): 1 to *
- collects** (Admin to Payments): 1 to *
- pays** (Payments to Order): * to 1
- on** (Product to Order): * to *
- belongs to** (Product to Category/Subcategory): * to *
- has** (Category to Subcategory): 1 to *
- books** (Order to Customer): * to *
- added to** (Order to Cart): * to 1
- gets** (Customer to Offers): * to *
- gives** (Feedback to Offers): * to *
- evaluate** (Feedback to Admin): * to 1

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Relational Schema

