

Car Dealership

ERD

| Salesperson | | |
|-------------|----------------|--------------|
| PK | salesperson_id | SERIAL |
| | first_name | VARCHAR(100) |
| | last_name | VARCHAR(100) |

| Seller Invoice | | |
|----------------|-------------------|--------------|
| PK | seller_invoice_id | SERIAL |
| FK | salesperson_id | INTEGER |
| FK | car_id | INTEGER |
| | date_of_purchase | DATE |
| | amount | NUMERIC(8,2) |

| Parts Inventory | | |
|-----------------|--------------------|---------------|
| PK | parts_inventory_id | SERIAL |
| | name_of_part | VARCHAR(50) |
| | price | NUMERIC(6, 2) |
| | quantity | NUMERIC(3) |

Salesperson writes one invoice for each car sold.

| Buyer Invoice | | |
|---------------|------------------|--------------|
| PK | buyer_invoice_id | SERIAL |
| FK | customer_id | INTEGER |
| FK | car_id | INTEGER |
| | date_of_purchase | DATE |
| | amount | NUMERIC(8,2) |

| Car | | |
|-----|-------------------|-------------|
| PK | car_id | NUMERIC(20) |
| FK | seller_invoice_id | INTEGER |
| FK | buyer_invoice_id | INTEGER |
| FK | customer_id | INTEGER |
| | make | VARCHAR(30) |
| | model | VARCHAR(30) |
| | year | NUMERIC(4) |

| Mechanic | | |
|----------|-------------|--------------|
| PK | mechanic_id | SERIAL |
| | first_name | VARCHAR(100) |
| | last_name | VARCHAR(100) |

Customer gets an invoice for each car bought

| Customer | | |
|----------|--------------|--------------|
| PK | customer_id | SERIAL |
| | first_name | VARCHAR(100) |
| | last_name | VARCHAR(100) |
| | address | VARCHAR(150) |
| | billing_info | VARCHAR(30) |

| Service | | |
|---------|-----------------|---------------|
| PK | service_id | SERIAL |
| FK | car_id | INTEGER |
| | type_of_service | VARCHAR(30) |
| | service_total | NUMERIC(6, 2) |

