Draft #1

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Project 1 – Database Design

Car-Repair Shop Reservation System: JADautorepair

Contents

[Description 1](#_Toc535660408)

[ER-Diagram 1](#_Toc535660409)

# Description

JADautorepair database is designed for car-repair shop reservation system where the customers can request to repair their cars in the shop (in many branches).

The system stores the information about the branch, customer, mechanic, car, service, and item. These information is maintained (add, update, delete) by the administrator.

The mechanic will create the order for the order transaction. The order references to the customer, car. It also stores the request date. Each order has many lines. Each line is for one service such as oil change, brake repair, water pumps…

Each requested service is served by one or many mechanics. Each service has the specific price. The requested service can use (replace) many item parts such as door control module, battery tray, air intake manifold… Each item has the specific price too.

The system can create the invoice with requested services, sub total, tax and total

Assumption

The system does not keep track the payment such as car number…

The branch has many mechanics. The order is created in the specific branch.

The car is belong to one customer. Each customer can have one or many cars.

# ER-Diagram

