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1. Problem Statement:
Car mechanic wants a way of managing customers vehicles that he works on, customer data handling, vehicle data, accounting, and inventory.
2. Intended User:
Owner of mechanic shop.
3. Why user has problem:
Current data management is done on paper.
4. How solution benefits user:
Would automate the management of data. Shorten time working.
5. General flow for addressing the problem:
Map out the data and how it is structured/related (storing and querying customers, storing and querying car info, handling asset purchase and sale, inventory, etc)
Plan how it will be stored and referenced.
Lay out calculations that may be desired on the data.
Set up database and program.
6. General nature of the solution:
Standalone program
7. Software components:
SQL database
8. Hardware components:
Nothing specialized
9. Similar solutions:
There are programs for general accounting, as well as general inventory, but they don't handle the specific workflow for the mechanics customer management.