Team: Mechanics.java

NRC:2963

Program for customer control in a car mechanic workshop

Problem

Need for a system that helps keep track of customers who arrive at the mechanic shop to solve or fix a car desperfection and with this system could help mechanics simplify their work for example if this customer is a little frequent it can analyze If this problem is progressive or new, since it opened its registry the first day it came to the machine in this case the car already has a history thereby focus resources on the fault that the vehicle really has and thereby reduce expenses and increases the revenue.

Overview

In a mechanical field, it is very complicated when the problem is not a simple sight, since they would have to make a complete analysis of the car that would lead to an unnecessary expenditure of resources, then the mechanics rely on the customer's vehicle history: how many times the vehicle has been damaged, which parts of the vehicle have been fixed, etc. so that the mechanics can discard some points of the car and thus simplify the work with this the mechanic trusts in what the client tells him and there are moments that the clients do not know and complicates the work and that is why the program enters, without the need of the critic of the client since its registration is in the system.

Background

The central idea is that the mechanics no longer comply with manual activities, unlike everything is done based on the use of machines to avoid wasting time, and thus generating more economic income.

At the same time, you want to know how often cars attend to know how to generate benefits and promotions for customers, so that a better sale for the owner is generated

This software is needed to be implemented so that it has a greater reception and so that the attention of the mechanics is better and does not take much time to make these modifications to the vehicle

Analyst Comparison

A simulation with imaginary money will be carried out, with which they can acquire a service and it can be paid in cash or transactions. Sales or services that are made keeping a history will be recorded.
In order to observe the performance, daily accounts will be maintained to know if losses or gains are being generated.

Another measure of knowing the performance is that at the end of a certain time or at the end of the year a sum of all the gains and losses will be made in order to know the exact benefit, this means that everything generated will take eliminates the basic expenses, necessary or additional that are generated at the least expected moment.