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CREATING WEBSITE FOR ANBU AUTOMOBILES SPARES AND SERVICE

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ABSTRACT :

The project is entitled as "Website creation for automobile workshop and customer profile". Many existing systems which is used by the automobile store is manual. The main problem in big automobile stores is to handle the details of all the spares manually, so by using this system it is possible to maintain the records of all the spares. Here a software is designed which keeps the records of the data of the spares.

OVERVIEW OF THE PROJECT

The proposed project is developed to manage the spare details and clients detail in efficient way in anbu automobiles. The main module in this project is login, spare, customers, sales, complaints and reports. The first module is the login. The Auto spare shop owner should login to the project for usage. The username and password are verified and if it is correct, next form opens. If the username and password are not correct, it shows the error message.
When a customer's searches for a spare, if the spare is available, they will be taken to a page that shows the details of the spare including spare name, spare ID, quantity, price etc. "Auto spare Management System" is useful for maintaining spares, customers effectively and hence helps for establishing good relation between customers and Auto spares. It contains various customized modules for effectively maintaining spares and stock information accurately and safely.

SYSTEM STUDY

EXISTING SYSTEM

In the existing system the billing process is computerized. But the entire billing transactions and stock maintenance that can be carried out in Anbu automobiles are not proper. It is a lengthy process, which takes a lot of time to design using large coding, and also costs more and even limited to certain extent.

DRAWBACKS

It's not possible to get all the information or details as well as it is not possible to satisfy the user through this process. Searching the customers or customer records is slow and difficult when the number of customers increases. For keeping unique customers records and for maintaining customers records separately, efficiently and accurately unique customers has to be used and it should be automatically generated but it is not present in the existing system.

SOFTWARE DESCRIPTION

FRONT END (PHP)

PHP can be used to create web applications ranging from personal websites to e-commerce applications and community web portals i.e. discussion forums, blogs etc. The main advantages of PHP programming include the following:

- Open Source, PHP is completely free.
- PHP can be easily embedded directly into HTML.
- Platform independent can run on Windows Linux or Mac servers.
- Run faster on the internet and easily integrate AJAX, Callback etc.
- Interfaces very easily with Apache/MySQL

- Lots of good products and on-line help.
- It's available with documentation in many languages.

HTML & CSS

Hyper Text Markup Language (HTML) is the main markup language for creating web pages and other information that can be displayed in a web browser. HTML is written in the form of HTML elements consisting of tags enclosed in angle brackets (like <html>), within the web page content. HTML tags most commonly come in pairs like <h1> and </h1>, although some tags represent empty elements and so are unpaired, for example <img>.
The first tag in a pair is the start tag, and the second tag is the end tag (they are also called opening tags and closing tags). In between these tags web designers can add text, further tags, comments and other types of text-based content. The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages.

SYSTEM DESIGN AND DEVELOPMENT

INPUT DESIGN

Input design contains input forms which gives input data to the database.

Admin.php

In admin page after login admin manage various users like cashier, manager, prescription, Auto spares.

Cashier.php

In cashier page after login cashier can add sales details and customer detail.

Manager.php

In manager page manager can manage stocks by adding new stocks and updating existing stocks. Users detail can be viewed by manager in grid view.

Prescription.php

In this page customer prescription detail is maintained. This page maintains details about customers detail and their prescriptions**.**

Auto spare.php

In this staff detail is maintained. Auto spares details like name, ID, mobile number etc are managed in this page.

Invoice.php

In this page invoice detail, customer detail and served staff detail is maintained.

OUTPUT DESIGN

Outputs from computer systems are required primarily to communicate the results of processing to users. They are also used to provide a permanent copy of the results for later consultation. In the next stage it is to be decided that which medium is the most appropriate for the output. As the outputs are the most important source of information to the user, better design should improve the system's relation and also should help in decision-making.

Output screens are follows

- Admin home screen
- Cashier screen
- Manager screen
- Prescription screen
- Auto spare screen

TESTING AND IMPLEMENTATION

TESTING

Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and coding. In fact, testing is the one step in the software engineering process that could be viewed as destructive rather than constructive. A strategy for software testing integrates software test case design methods into a well-planned series of steps that result in the successful construction of software. Testing is the set of activities that can be planned in advance and conducted systematically.

TYPES OF TESTING

Types of testing used in the project are as follows

- Unit testing
- Integration testing
- Validation testing

INTEGRATION TESTING

Integration testing is the process of combining and testing multiple components together. The primary objective of integration testing is to discover errors in the interfaces between the components. In our system each of the modules mentioned above, are tested for checking the integration between them, after each of them are tested individually.

Screen name: menu form

Object name	**Test id**	**Test case description**	**Action**	**Expected result**	**Actual result**	**Status**
Menu button selection	**Tc001**	**To check if the menu is navigating to the corresponding form**	**Press option**	**When the option is selected, corresponding form should be displayed**	**Apt form is displayed**	**Pass**
Menu button selection	**Tc002**	**To check if the menu is navigating to the corresponding form**	**Press option**	**When the option is selected, corresponding form should be displayed**	**Apt form is not displayed**	**Fail**

CONCLUSION

The system is a great improvement over the existing system using case fields and paper. The computerization of the system has speeded up the process and overall security in billing transactions. In the current system, the managing is very slow.
The system was thoroughly checked and tested with dummy data and thus is found to be very reliable. The advantages are as follows

- Can easily find the customerss who not paid bills
- Bill generation is easy
- It is fast, efficient and reliable
- Avoids data redundancy and inconsistency
- Very user-friendly
- Easy accessibility of data

SCOPE FOR FUTURE ENHANCEMENT

Further expansion of the system also can be done in future if needed. The application can be enhanced in the future with the needs of the organization since VB.Net is the front end and is portable. The database and the information can be updated to the latest forthcoming versions. There are also possibilities for enhancing and further developing the project with customized reports according to the latest information and needs of the company.

Thus the system can be altered in accordance with the future requirements and advancements. System performance evaluation must be monitored not only to determine whether or not they perform as plan but also to determine if they should have to meet changes in the information needed for the company. The performance of the system will be evaluated to determine whether system achieves the results that are expected and whether the predicted benefits of the system are realized.

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