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VEHICLE INSURANCE MANAGEMENT

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Group No:	2	
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Month 01 Year 2020

This is to certify that

Mr. Nguyen Huu Tung

Mr. Bui Nguyen Hai

Mr. Truong Hoang Huy

Ms. Nguyen Minh Thu

Has successfully Designed & Developed

eProject: Vehicle Insurance Management

Submitted by:

Nguyen Huu Tung

Date of Issue:

27 – Feb – 2020

Authorized Signature:

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PROBLEM DEFINITION

The objective of the system is to provide the facilities to all the people concerned with Vehicle Insurance. From the management point of view works can be done fast and more accurately as compared to existing manual system. From the customer's point of view, he can get immediate services without any kind of wasting of time whereas from the user's point of view all kinds of transitions can be done in very easy and efficient manner.

The system also provides many kinds of reports generation facility. Our main objectives for developing this project are giving below.

DATA SECURITY.

REDUCED PAPERWORK.

REDUCED MANPOWER.

INCREASED OPERATIONAL EFFICIENCY.

INCREASED ACCURACY AND RELIABILITY.

IMPORVE MORAL.

REDUCE OPRATIONAL TIME.

This project aims to develop a complete fully functional independent system with the intension of improving the productivity of the operations of company through speedy and accurate processing and efficient storage and retrieval of data.

The basic aim behind this project to provide a complete solution that manages the records of vehicle insurance company.

CUSTOMER REQUIREMENT SPECIFICATION

This project is aimed to develop “Online Insurance Portal”. It is web-based application, which is developed mainly for the agents of the insurance company to take the policy for his clients electronically. By the request from his clients, he processes and maintains the policy details through the system.

Online Insurance Portal System is an integrated insurance system which links up all the channels within the insurance industry. It is a revolutionized insurance solution that can facilitate online processing and services to the insurance partners, agents and customers through the Internet.

The site should have menu categorising required functionalities

- **About us**
- **Types of insurance**
- **Testimonials**
- **Site map**
- **Contact us**

There should be 2 logins as mentioned below:

Customer

User needs to register as customer by providing the necessary information in the registration form and provide the username and password

Customer can login with unique username and password.

He can change the password.

Can purchase the policy online: For purchasing the policy online, he has to fill in the application form which would capture all the required information about the vehicle. On successful payment, copy of policy would be generated which customer can save for the records.

Initiate the claim by filling the claim form.

Employee

Employee will be admin who can login with admin username and password.

He can perform all the admin functions as maintaining the policy records, claim records, payment schedules etc

- **Following reports needs to be generated**
- **Monthly sell of policies**
- **Vehicle wise analysis**
- **Claims report**
- **Policies due renewals**
- **Policies lapsed report**

Hardware

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better.
- 128 Megabytes of RAM or better

Software

- Visual Studio.Net / ASP
- IIS Server
- .Net Framework
- Java Virtual Machine / J2EE Server
- Notepad / Java editor
- J2sdk 1.4.1_02 (or later).
- EJB Dev Kit
- Java enable web server
- JSP / Servlets Dev. Kit

Expected release date

Release date: 29 Feb 2020.

List of deliverables

Documentation

- User manual
- Install guide
- Database script and database backup file
- Project document

Website

- Deployment website
- Source code

PROJECT PLAN

After due consideration with the team members, we decided the important criteria should be developed:

1. Static pages will introduce:
 - Company information
 - Types of insurance
 - Testimonials
 - Site map
 - Contact us
2. Dynamic page with database includes 2 parts:
 - The sales page, including all products, will be sold.
 - The administration page, depending on the rights of the account will be displayed content.

E-R DIAGRAM

Database table design

Table name	Field name	Data type	Key
Customer	CustomerID	Int	Primary key
	CustomerUsername	Varchar(20)	
	CustomerEmail	Varchar(50)	
	CustomerPassword	Varchar(50)	
	CustomerName	Varchar(50)	
	CustomerAdd	Varchar(150)	
	CustomerPhoneNo	Char(11)	
	CustomerIsValid	Bit	
CustomerAddProves	AddProveID	Int	Primary key
	AddProve	Varchar(50)	
	AddProveDes	Varchar(300)	
	AddProveRate	Int	
	AddProveStatus	Int	
Vehicle	VehicleID	Int	Primary key
	VehicleOwnerName	Varchar(50)	
	VehicleBodyNo	Char(17)	
	VehicleEngineNo	Char(10)	
	VehicleNo	Int	
	CustomerID	Int	Foreign key
	VehicleNameID	Int	Foreign key
VehicleWarranties	VehicleWarrantyID	Int	Primary key
	VehicleWarrantyName	Varchar(50)	
	VehicleWarrantyDes	Varchar(300)	
	VehicleWarrantyRate	Int	
	VehicleWarrantyStatus	Int	
VehModels	VehicleModelID	Int	Primary key
	VehicleModel	Varchar(50)	
VehVersion	VehicleVersionID	Int	Primary key

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	VehicleVersion	Int	
	VehicleModelID	Int	Foreign key
	VehicleVersionStatus	Int	
VehNames	VehicleNameID	Int	Primary key
	VehicleName	Varchar(50)	
	VehicleRate	Decimal(18,2)	
	VehicleStatus	Int	
	VehicleVersionID	Int	Foreign key
VehPolicyType	VehiclePolicyTypeID	Int	Primary key
	VehiclePolicyType	Int	
	VehiclePolicyTypeStatus	Int	
Insurance	PolicyNo	Int	Primary key
	PolicyDate	Date	
	PolicyDuration	Varchar(50)	
	CustomerAddProve	Varchar(50)	
	CustomerID	Int	Foreign key
	VehicleID	Int	Foreign key
	EstimateNo	Int	Foreign key
Estimate	EstimateNo	Int	Primary key
	VehicleWarranty	Varchar(15)	
	VehiclePolicyType	Varchar(30)	
	CustomerID	Int	Foreign key
	VehicleID	Int	Foreign key
Billing	BillNo	Int	Primary key
	Date	Date	
	Amount	Decimal(18,2)	
	CustomerID	Int	Foreign key
	VehicleID	Int	Foreign key
	PolicyNo	Int	Foreign key
Expense	ExpenseID	Int	Primary key
	DateofExpense	Date	
	TypeofExpense	Varchar(50)	

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	AmounttoExpense	Decimal(18,2)	
Claim	ClaimNo	Int	Primary key
	PolicyStartDate	Datetime	
	PolicyEndDate	Datetime	
	PlaceofAccident	Varchar(20)	
	DateofAccident	Datetime	
	InsuredAmount	Decimal(18,2)	
	ClaimableAmount	Decimal(18,2)	
	CustomerID	Int	Foreign key
	PolicyNo	Int	Foreign key

Diagram

