Insurance Management System

**1. INTRODUCTION**

**1.1About the project**

**Insurance management system project** is implemented in Django platform using DBSQL Lite as backend application. Main aim of this project is to develop an online application for insurance company to atomize work procedure, using this system agents and policy holders can know details about present policies, schemes, policy specifications, terms and conditions on policy, policy registration by the customers. Agents’ commission is based upon customer policy registration and target agent achieves for every month or year. This system maintains information of branch managers who can deal with agents and customers.

This system is a multi-user web-based application system. It manages all the insurance policies of the customer. Admin has more features than that of the customer. Here, admin account can be created using createsuperuser command. After logging in to the system, admin can perform the operations of the customer, policies, and categories. Also, admin can view all the registered users and give response to the question asked by the customers.

**2. PROBLEM DEFINITION**

**2.1 Introduction**

Insurance Management System is an application designed for a group of insurance agents, which supports the maintenance activities of Insurance Policies and their associated company details their procedures in maintaining various types of policies, with the corresponding details of Policy holders, associated agents involved in the policy maintenance and etc. This web based system design maintains the details of the Companies offering various types of insurance policies, concerned agents and the detailed information of customers with their corresponding policies. The design aims at providing the agents and the customers a facility to access the information of policies their descriptions, which include starting date, renewal date, premium payable, claims information, date of maturity and etc., under various categories like Life, Motor, House Hold, House-hold items and the corresponding company details. The system serves the basic purpose of maintaining the relation between the customers, agents and the various Insurance companies in an accustomed fashion.

**2.2 Problem Definition**

The existing system of Insurance has lengthy procedure of getting a life insurance. Also it may contain a chain of middle men. If we want to buy a life insurance policy, we may select various ways. Either we should contact to bank, or we should contact an agent, or buy a policy online. If we go to bank then 1st problem is where to enquire and how long is the procedure? And if we gets perfect place then this will become very lengthy process as there are so many faults in this possibility. Then, although we bought the policy then bank is not going to provide him service. We have to do all things. In that condition for our betterment only we have to do work.

**1. Existing system**

In the existing system need to go to the physical locations. All done in Manual Process. The existing system of insurance industry is as follows. It works on following track. Self-service, Take service through agents, Take service online Means there are only three way to access the insurance and whole industry works on only these three tier. If we want to buy a life insurance policy, we may select various ways. Either we should contact to bank, or we should contact an agent.

**Drawbacks of the existing system**

There are several disadvantages and following or the drawbacks that are caused by the existing system

* It is time taking process.
* There is no online Insurance management facility in this system.
* There is no rich user interface.
* There is very less security for saving data; some data may be loss due to mismanagement.
* In this system there is no report generation.
* It’s a limited system and fewer users friendly.
* In this system users cannot able to restrict the information.

**2. Proposed System**

The actual process of the organization can be modularized into three different independent views Agent view, Policy holders view. The Agent at any time can view the required information whether it is policies, or customers at the click of a mouse and instance of a second. If planned in an organized manner the customers can be provided an online terminal where they can access the information at their own hands without the basic intervention manually. The customers or policyholder’s reminders can be generated at lightning speed just by query for the specific customers. The information while it is collected can referentially be segregated into their respective databases from single window, saving the time of multiple data entries. The customers policy premium payment status can be viewed in a systematized manner by the Agents and cross verify the defaulters. The claim status raised by a specific policyholder can be tracked very clearly in a transparent manner, and checked until the claim is settled. Above all the overall system can at any time provide consistent and reliable information authenticated upon its operations.

**Advantages in the proposed system are**

* Our insurance management system is very useful to customers in providing more information about all insurance companies and their policies that are uniquely launched in our website.
* The system reduces manual work during registration of policies.
* This system also provides online payments for the customers.

**3. SOFTWARE ANALYSIS**

**3.1 Hardware Requirements**

* Speed : 2 GHz core CPU.
* RAM :  4 GB RAM or above.
* Hard Disk     : 500 GB HDD.
* Processor  : Intel i3 and above processor.

**3.2 Software Specification**

* Microsoft account : Visual Studio code
* Operating System : Windows
* Front End **:** Django,HTML5,CSS3
* Back End  :DBSQL Lite

**4. MODULES DESIGN**

This project “Insurance Management System” deals with Data Storage for application. This contains the following modules.

* Admin
* Customer

4.1 Admin

Dashboard: Its show all the current data like Total Registered User, Policy, Category, Customer, and Policy applied and so on. And show what the pending work to admin from customer.

Customer: To maintain the customer details with modify and delete operations.

Category: To add a new category and also maintain it. Its help to the divide policy and easy to find out.

Policy: Its help to add new policy and maintain old policy.

Question: Its help to doubt clarify the policy holder and new client. This way is used to make more client to invest insurance.

4.2 Customer

Dashboard: To show all data and new information to customer from client.

Apply new Policy: this part show the all available policy to customer and make easy way to apply the insurance policy.

History: Show the customer past record and maintain still there.

Question: In this part help to learn or know about policy and what are the procedure to apply that and how to maintain policy details.

History: Show the customer past record and maintain still there.

**Overall Diagram**

The entire project is divided into 2 modules.

