

# Insurance

## ***Abstract***

*Insurance system automates the management of insurance activities, which involves Defining Policies, Schemes, Policy Specifications, Policy Terms and Conditions, Policies registrations by the customers, Facilitates the Premiums Flexi-Pay modes, Policy Bonus in Flexible periods.*

*The Agents are involved in the process of the Customer Policy registration and the Commissions are based on the targets achieved by the Agents.*

*Insurance System also maintains the database of the Branch Managers who deals with the Agents which in turn deals with the Customers.*

## ***Existing System***

*Before developing this application all activities done manually, then all the activities take more time and also take more manpower. Commission, interests, dues all is calculated manually, the calculations may*

*result wrong sometimes.*

*All related information passed one branch to another branch through courier. Sometimes missed the important documents. So these problems overcome when we will develop the system. This system is very helpful to automation of entire Insurance system and also reduces the time and manpower.*

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## ***Proposed System***

*The Proposed system is a software application which avoids more manual hours that need to spend in record keeping and generating reports.*

*This application keeps the data in a centralized way which is available to all the users simultaneously. It is very easy to manage historical data in database. No specific training is required for the Branch Managers, Agents and Customers to use this application.*

*They can easily use the tool that decreases manual hours spending for normal things and hence increases the performance. As the data is centralized it is very easy to maintain the currently running projects with the company as well as future projects.*

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## ***Scope of the System***

*The main theme of this project is automation of the Insurance System and processes the all activities through on line. Here the main advantage of this system is to access this database globally for authorized users. We are planning to add some more new schemes or policies that will be developed and updated in near future. And if any specification-untraced errors will be concentrated in the coming versions, which are planned to be developed in very nearby future.*

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## ***Module Description***

*The system “Insurance” consists of 4 modules*

- 1. Chairman***
- 2. Manager***
- 3. Agent***
- 4. Customer***

### ***1.Chairman :***

*The Chairman is the Super User of the System. The Chairman is responsible for the defining the Policies, Policies Terms and conditions, Policies Amounts, Face Amounts, Establishing the different branches, Registration of the Branch Managers.*

*The Chairman is responsible for the*

- *Defines Policies and Schemes*
  - *Branch Establishments*
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- *Recruits Branch Managers*
- *Defines the Policy Terms and Conditions*
- *Defines the Policy Specifications*

*Reports:*

- *Policy Details*
- *Branch Manager Details*
- *Agents Details*
- *Customer details*

## **2.Manager**

*The Managers of the different branches recruits the Agents and also registration of customers. He is also responsible for registration of Policies; calculate the premium amounts, interests, dues, bonus and also agent Commission. Bonus calculates based on the payment of premiums. The Manager also responsible for calculate the Agent Commission based on Agent performance.*

***The Manager is responsible for the***

*Manages the Agents*

- *Customer Registrations*
- *Customer Policy Registrations*
- *Customer Premium Payments*
- *Customer Bonus*
- *Agent Commission*

***Reports***

- *Policy details*
- *Agent Commission*
- *Customer Details*
- *Policy Details*

### **3.Agents**

*The main role of Agents is to registration of the Customers. Agents just like a mediator between Insurance system and Customers. Based on their performance they will get commission. These systems provide a facility to Agents like to visible their Commission and also their customer details.*

*The responsibilities of the Agents as follows*

- *Involves in the Customer Policy Registration Process*
- *Agent Personal Details*
- *Manager Details*

### **4.Customer**

*The Customers are a main source of this system. Based on his interest and benefits, he takes a policy. Customers also take more than one policy based on their requirement. Here so many facilities are provided to the Customers, like their information visible on line, like premium dates, bonus dates, personal details, policy details.*

***The responsibilities of the Customers as follows***

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- *Customer Premium Dates*
- *Customer Bonus Dates*
- *Customer Personal Details*
- *Customer Policies Details*

### **Reports**

- *Customer Premiums Details*
- *Customer Bonus*
- *Customer Premiums Dates*
- *Customer Policy details*
- *Customer Personal details*
- *Policy Details*
- *Customer Premiums Payments*

## ***Features to be implemented***

- *Session management*
- *Connection pooling*
- *Normalized database*
- *Prevention of duplication login*
- *Design patterns*

- *Three-tier architecture*
- *Maintainability*
- *Easy deployment with Ant script.*
- *Exception handling*
- *Client-side validations*

## ***Technologies to be used***

- *Web Presentation: HTML, CSS*
- *Client – side Scripting: JavaScript*
- *Programming Language: Java*
- *Web based Technologies: JNDI, Servlets, JSP*
- *Database Connectivity API: JDBC*
- *Build Tool: ANT*
- *Debug Tool: Log 4J*
- *CASE tool: Rational Rose, Visual Paradigm, Enterprise Architect*
- *Backend Database: Oracle/SQL Server/MY SQL/MS Access*
- *Operating System: Windows XP/2000/2003, LINUX, Solaris*
- *J2EE Web/Application Server: Tomcat/Weblogic/Websphere/JBoss/Glass Fish*

- IDEs: Eclipse with My Eclipse plug-ins/Net Beans/RAD
- Browser: IE/Mozilla

## ***Hardware requirements***

- Pentium processor ----- 233 MHZ or above
- RAM Capacity ----- 128MB
- Hard Disk ----- 20GB
- Floppy disk ----- 1.44 MB
- CD-ROM Drive ----- 32 HZ
- KEYBOARD ----- 108 Standard