Lic - software requirement specification srs

Software Engineering (Lovely Professional University)

Software Requirements Specification

March 1, 2017

LIC Life Insurance

Submitted To-Preeti Gupta

Submitted By-Ankit Kumar

CSE 320 Software Engineering

Contents

Chapter 1

Introduction

1.1. Purpose

Life insurance system has provides automatic insurance policy to the Indian people. LIS includes customer, agent and employee from verification and legal contract department. LIS provides system interface to ease some of the processes to the customer, agent and employee. LIS is web based application implemented for sending customer details through agents to the verification department; further verification department will enter all the details of the customer in to the system and sends the report to the legal contract department. Legal contract department prepare policy contract and sends to customer after payment has received from the customer.

1.2. Scope

This system allows the customer's to maintain their insurance policy, online payment for policy premium. Agents also part of the system that is associated with customer as well as Insurance Company who plays a mediator between customer and insurance system.

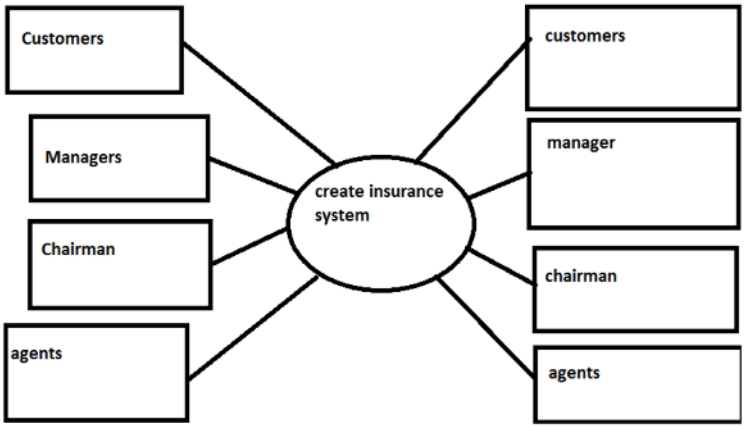
Employees from the insurance company are the part of the system.

.

1.2. Overview

LIS is web based application implemented for sending customer details through agents to the verification department; further verification department will enter all the details of the customer in to the system and sends the report to the legal contract department. Legal contract department prepare policy contract and sends to customer after payment

has received from the customer.



1.3 Definition

Main actor of the agenda:

1. **Chairman:** A **chairman** is an executive elected by a company's board of directors that is responsible for presiding over board or committee meetings.

   The **chairman** ensures that the meetings run smoothly and remain orderly, and works at achieving a consensus in board decisions.

2. Manager: An individual who is in charge of a certain group of tasks, or a certain subset of a company. M**anagers** often has a staff of people who report to him or her.

3. Costumer: A **customer** is an individual or business that purchases the goods or services produced by a business. Attracting **customers** is the primary goal of most

public-facing businesses, because it is the **customer**who creates demand for goods and services.

4. Agent: a person who does business for another person : a person who acts on behalf of another. : a person who tries to get secret information about another country, government, etc. : a person or thing that causes something to happen.

Chapter 2

General Description

2.1. Product Perspective

2.1.1. System Interface

The Life Insurance System has four active actors and one cooperating system. The Customer, Agent and Employee online Insurance through the Internet.

2.1.2. Software Interface

The system is on server so it requires the any scripting language like PHP, VBScript etc. The system require Data Base also for the store the any transaction of the system like MYSQL

etc. system also require DNS(domain name space) for the naming on the internet. At the last user need web browser
for interact with the system.

2.1.3. Hardware Interface

The System must run over the internet, all the hardware shall require to connect internet will be hardware interface for the system. As for e.g. Modem, WAN – LAN, Ethernet Cross-Cable.

2.1.4. User Interface

1. User interface for customer insurance report form.
2. UI for policy agent for sending medical report of customer
3. UI for verification department employee
4. UI for legal contract department employee

2.2. Product Function

LIC company should have the facility to store their data in database.

2.3.User characteristic

Customer need have minimum computer knowledge to operate system and do payments online. Agent needs the knowledge of computer as well as insurance policy domain Insurance company employees need knowledge of Insurance domain as well as computer.

Chapter 3

Specific Requirement

3.1. External Interface Requirement

3.1.1. User Interface

UI-1: The Life Insurance System shall provide registration form for customer, agent and employee.

UI-2: Agents sends the request all the details of medical report of customer to verification department.

UI-3: verification department gets requirement from the agent, the employee from the verification department further verify it and approve or disapprove the application.

UI-4: Life Insurance System will provide interface for verification department employee to send the status report to finance and legal contract department.

UI-4: The Life Insurance System will provide a help link that will download a user manual and project it onto the screen in case the user has difficulty in using the program.

UI-5: The customer will be notified by the system that their insurance policy

3.1.2. Communication Interface

CI-1: The security of a user must be consistent through the use of passwords.

CI-2: The Life Insurance System will signal the mail message generator when it needs to send an email to the Customer as well as agents.

CI-3: The Life Insurance System will communicate to the database through a wireless Ethernet system.

3.2. Performance Requirement

There is no performance requirement in this system because the server request and response is depended on the end user internet connection.

3.3. Software System Attribute

3.3.1. Reliability

The system provides storage of all databases on redundant computers with automatic switchover. The reliability of the overall program depends on the reliability of the separate components. The main pillar of reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes. Thus the

overall stability of the system depends on the stability of container and its underlying operating system.

3.3.2. Availability

The system should be available at all times, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs. In case of a of a hardware failure or database corruption, a replacement page will be shown. Also in case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator. Then the service will be restarted. It means 24 X 7 availabilit

3.3.3. Security

System implemented on MVC architecture and maintains all the sessions for better security and performance. Online payment implements through payment gateways which used 128 SSL encryption.

3.3.4. Maintenance

A commercial database is used for maintaining the database and the application server takes care of the site. In case of a failure, a re-initialization of the program will be done. Also the software design is being done with modularity in mind so that maintainability can be done efficiently.

.

: