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LIC AGENT MANAGEMENT SYSTEM

A Report for the Evaluation 3 of Project 1

Submitted by

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**SCHOOL OF COMPUTING AND SCIENCE AND
ENGINEERING
BONAFIDE CERTIFICATE**

Certified that this project report “**LIC AGENT MANAGEMENT SYSTEM**” is the bonafide work of “**PRANJAL CHAUHAN(1713104055)**” who carried out the project work under my supervision.

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Abstract

LIC Database system will help both customers and their agents to know about the current policies and enabling customers to select policies as per their choice. To start this projects, users have to just run the project and its user friendly menu items will help both its customers and agents to handle this LIC database management system easily.

Whenever you run the program, it will start with loading screen as below: Whenever loading completes, the next screen will be the LIC welcome screen where they are given choice to select the correct options as per their need. If you want to go the customer section then you have to select its option and if you want to be logged in as agent of LIC Database system then you have been provided with other option.

These options are entered at the current cursor position and after which its screen will be appear, where they will required to enter their id to use their particular account. Existing customers will able to check their policy details under which they have made investment.

Introduction

The main objective behind the project is to computerize L.I.C Agent's Policy And Premium Operation.

It also provides information about Policy amount and policy duration as well as Policy Holder. Reference Policy Information master contain the Information of that Policy holder has already any policy with L.I.C. Agent Information Master form has Information of total Agent with L.I.C.

The Transaction Section contains the Policy form with various areas like Plan Information, Personal Information, Nominee Information, Occupation, and Physical Identity.

(a.) Overall Description :-

System is for making easier to manage policy holder details, agent details, policy details, claimant details and payment details. so this will be developed for managing the insurance management system. The overall system is control through the main menu.

The main menu contains 6 parts:

1. policy schemes
2. Agent login
3. Customer login
4. Administrator login
5. About us
6. contact us

(b.) Purpose:-

The aim of project training, by understanding a live project, is to have practical experience of the real world. It also clears the picture of practical field to prompt the students to develop their qualities talents, etc.

This Software accepts various data such as LIC Client information, Plan information, Personal detail of Client and his or her relatives with Physical details of client also, etc. It also accepts data such as various plans along with its various parameters such as minimum and maximum amount with term and an amount of the insurance. Printing Personal detail Report will display Policy date to maturity date.

This package has been able to successfully incorporate the entire requirement as per the requirement of LIC client agent system. Appropriate care has been taken during database design maintain database integrity and to avoid redundancy of data. Validation is done instantaneously to avoid data redundancy of data. The policy provided a safe future, saving etc. Designing and developing this DBMS-project was an interesting experience. It really helped me to understand the database concepts, which are of great importance these days.

Overall Description

LIC Agent Management System will help both customers and their agents to know about the current policies and enabling customers to select policies as per their choice.

To start this projects, users have to just run the project and its user friendly menu items will help both its customers and agents to handle this LIC database management system easily. If you want to go the customer section then you have to select its option and if you want to be logged in as agent of LIC Database system then you have been provided with other option.

These options are entered at the current cursor position and after which its screen will be appear, where they will required to enter their id to use their particular account. Existing customers will able to check their policy details under which they have made investment.

Purpose

LIC Database system will help both customers and their agents to know about the current policies and enabling customers to select policies as per their choice.

Motivation and Scope

The system may be seamlessly able to categories different models of result to the user. This systematic way of organized work will improve user experience as well as company management system to maintain records of customer, inventory details and all the user details,old customer details that are linked to the company as well as employee data and information.

LIC Agent Management system, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilisation of resources.

Every organisation, whether big or small, has challenges to overcome and managing the informations of login sing in /up,payment details. Every LIC Agent Management system has different needs, therefore we design exclusive employee management systems that are adopted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals.

Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your work force anytime, at all times. These systems will ultimately allow you to better manage resources.

Existing System

The existing system is the manual system. The manual system is prone to error. It is time consuming. It is difficult to search for a data. Most of the insurance organizations are not having any existing fully computerized system. It is very difficult for a person to produce the report. There are chances for changing the scheme report and do malpractice. They are managing the information in the form of Excel spread sheets. This system involves a lot of manual entries with the applications to perform the desired task. Every member organization has its own data structure. Usage of papers in the payment process leads to less efficiency, less accuracy and less productivity. Due to lack of centralized data structure, it is very difficult to merge the data to analyze the statistics.

Proposed System

The current system stored all data in particular file in the binary format which is not able to read by others. Its command prompt will not able its users to know about the background details thus providing the feature of extra security and reliability. Customers will have the option to review any policy as per their choice and select particular policy if they like it. Each customers and agent will have unique id by which they will able to check their account at any time.

SOURCE CODE

SOURCE CODE:

```
/* HEADER FILES */
#include<iostream.h>
#include<conio.h>
#include<string.h>
#include<dos.h>
#include<ctype.h>
#include<stdio.h>
#include<process.h>
#include<iomanip.h>
#include<math.h>
/* STRUCTURE DEFINITIONS */
struct address /* STRUCTURE FOR ADDRESS */
{
char hno[30];
char area[30];
char city[30];
char stat[30];
};
struct agn /* STRUCTURE FOR AGENT DETAILS */
{
int code;
char nam[80];
int age;
address addagn;
int polsl; //no. of policies sold
float sal; //salary
char categ[50]; //category
}agn[15];
struct cust /* STRUCTURE FOR CUSTOMER DETAILS */
{
char nam[80];
int age;
address addcust;
char polbt[20]; //name of policy bought
float sal; //salary
int code;
float polamt;
int polterm;
char mod_pay;
float sa_pt_pa; //SA per thousand per annum
float prem; //premium
}custm[15];
struct fback /* STRUCTURE FOR FEEDBACK FORM */
{
int age;
char gndr; //gender
char occp[20]; //occupation
float inc; //income
char a[12]; //ratings
}fbk;
```

```

struct poldet /* STRUCTURE FOR POLICY T&C */
{
char nam[20];
int minagemat;
int maxagemat;
int maxmatage;
int minpolt;
int maxpolt;
float minsumass;
char maxsumass[10];
char modeall[25];
float acci_ben;
float CI;
int femliv;
char agepro[40];
char nonmed_gen[5];
char nonmed_spe[5];
char termrideroptn[4];
char crtcalilnesridr[4];
float sa_pt_patrm1_ag1;//SA per thousand per annum
float sa_pt_patrm1_ag2;
float sa_pt_patrm2_ag1;
float sa_pt_patrm2_ag2;
};
/* STORING POLICY DETAILS */
poldet endow={"ENDOWMENT POLICY",12,65,75,5,55,50000.00,"No
Limit","All",1.00,
7.26,2,"Birth Certificate / Board Certificate","Yes","Yes",
"Yes","Yes",72.00,73.35,35.80,40.00};
poldet monbak={"MONEY BACK POLICY",13,50,70,20,55,50000.00,"No
Limit","All",
2.00,6.57,2,"Birth Certificate / Board Certificate","Yes","Yes",
"Yes","Yes",65.35,53.45,71.85,61.55};
poldet jeevkish={"JEEVAN KISHORE",0,12,45,15,35,50000.00,"40
Lacs","All",1.50,
6.52,2,"Birth Certificate / Board Certificate","N.A.,"N.A.",
"No","No",49.15,29.25,49.15,29.25};
poldet jeevannd={"JEEVAN ANAND",18,65,75,5,57,100000.00,"No Limit",
"All Except Single",1.5,6.45,2,"Birth Certificate / Board
Certificate",
"Yes","Yes","No","Yes",50.95,39.05,155.75,86.25};
poldet jeevsurbh={"JEEVAN SURABHI",14,50,70,15,25,50000.00,"No
Limit","All",
1.00,6.11,2,"Birth Certificate / Board Certificate","Yes",
"Yes","No","No",108.80,91.30,123.00,112.80};
/* FUNCTION PROTOTYPING */
/* FUNCTION FOR DISPLAYING MAIN MENU */
void welcome();//display welcome page
void mainmen();//display main menu
/* CUSTOMER FUNCTIONS */
void cusmen();//display customer menu
void newpol();//display new policies
void tncus(poldet pol);//display details of policies

```

```

void newcus(poldet pol);//new customer data input
float precalc(cust custm,poldet pol);//premium calculation
void oldcus();//display old customer's previous policy details
void feed();//display feedback form
char feedval();//input & test the ratings of feedback form
/* AGENT FUNCTIONS */
void agnmen();//display agent menu
void newagn();//new agent data input
void oldagn();//old agent details
void tncagn();//display terms & conditions for agents
/* MAIN FUNCTION */
void main()
{
textcolor(WHITE);
textbackground(CYAN);
welcome();
}
/* WELCOME SCREEN */
void welcome()
{
textcolor(BLUE);
textbackground(WHITE);
clrscr();
for(int x=0;x<80;x++)
{
gotoxy(x,0);
cout<<"•";
}
for(int y=0;y<48;y++)
{
gotoxy(0,y);
cout<<"•\n";
delay(5);
}
for(x=79;x>0;x--)

{
gotoxy(x,49);
cout<<"•";
delay(5);
}
gotoxy(80,49);
cout<<"•";
for(y;y>0;y--)
{
gotoxy(80,y);
cout<<"•\n";
delay(5);
}
gotoxy(10,10);
puts("***** WELCOME
***** ");
gotoxy(18,16);

```

```

puts("INSURANCE SOFTWARE");
gotoxy(38,40);
puts(" *** PRESS ANY KEY TO CONTINUE ***");
getch();
mainmen();
}
/* MAIN MENU */
void mainmen()
{
char a;
clrscr();
cout<<"\n";
for(int x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(int y=1;y<16;y++)
{

delay(5);
gotoxy(0,y);
cout<<"•\n";
}
gotoxy(25,5);
cout<<"WELCOME TO LIFE INSURANCE COMPANY";
gotoxy(25,6);
cout<<"$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$";
gotoxy(36,9);
cout<<" MENU";
gotoxy(36,12);
cout<<"C=CUSTOMER";
gotoxy(36,14);
cout<<"A=AGENT";
gotoxy(36,16);
cout<<"X=EXIT";
cout<<"\n\n";
for(x=1;x<80;x++)
{
delay(5);
cout<<"•";
}
for(y=2;y<19;y++)
{
delay(5);
gotoxy(80,y);
cout<<"•";
}
gotoxy(30,20);
cout<<"Please enter your choice : ";
x:a=getch();
switch(a)
{

```

```

case 'c':
case 'C':cusmen();
break;
case 'a':
case 'A':agnmen();
break;
case 'x':
case 'X':feed();

break;
default:goto x;
}
}
/* CUSTOMER MENU */
void cusmen()
{
textcolor(CYAN);
textbackground(WHITE);
char b;
x:clrscr();
cout<<"\n";
for(int x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(int y=1;y<16;y++)
{
delay(5);
gotoxy(0,y);
cout<<"•\n";
}
gotoxy(36,5);
cout<<"CUSTOMER MENU";
gotoxy(36,6);
cout<<"$$$$$$$$$$$$";
gotoxy(36,9);
cout<<"O=OLD CUSTOMER";
gotoxy(36,11);
cout<<"P=POLICIES";
gotoxy(36,13);
cout<<"B=BACK";
gotoxy(36,15);
cout<<"X=EXIT";
cout<<"\n\n";
for(x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(y=2;y<18;y++)
{
gotoxy(80,y);

```



```

delay(5);
cout<<"•";
}
gotoxy(30,19);
cout<<"Please enter your choice : ";
y:b=getch();
switch(b)
{
case 'o':
case 'O':oldcus();
break;
case 'p':
case 'P':newpol();
break;
case 'b':
case 'B':mainmen();
break;
case 'x':
case 'X':feed();
break;
default:goto y;
}
}
/* NEW POLICY */
void newpol()
{
textcolor(RED);
textbackground(CYAN);
char inp;
clrscr();
textcolor(RED);
textbackground(CYAN);
cout<<"\n";
for(int x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(int y=1;y<17;y++)
{
delay(5);
gotoxy(0,y);
cout<<"•\n";
}
gotoxy(30,5);
cout<<"LIFE INSURANCE POLICIES";
gotoxy(30,6);
cout<<"$$$$$$$$$$$$$$$$$$$$";
gotoxy(31,9);
cout<<"1. Endowment Policy";
gotoxy(31,11);
cout<<"2. Money Back Policy";
gotoxy(31,13);

```

```

cout<<"3. Jeevan Kishore";
gotoxy(31,15);
cout<<"4. Jeevan Anand";
gotoxy(31,17);
cout<<"5. Jeevan Surabhi";
cout<<"\n\n";
for(x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(y=2;y<19;y++)
{
delay(5);
gotoxy(80,y);
cout<<"•";
}
gotoxy(31,21);
cout<<"B=Back";
gotoxy(31,23);

cout<<"X=Exit";
gotoxy(31,25);
cout<<"Please enter your choice : ";
x:inp=getch();
switch(inp)
{
case '1':tncus(endow);
case '2':tncus(monbak);
case '3':tncus(jeevkish);
case '4':tncus(jeevannd);
case '5':tncus(jeevsurbh);
case 'b':
case 'B':cusmen();
case 'x':
case 'X':exit(0);
default:goto x;
}
}
/* POLICY DETAILS */
void tncus(poldet pol)
{
textcolor(RED);
textbackground(WHITE);
char in;
clrscr();
cout<<"\n";
for(int x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(int y=1;y<32;y++)

```

```

{
delay(5);
gotoxy(0,y);
cout<<"•\n";
}
gotoxy(25,5);
cout<<"TERMS & CONDITIONS FOR ";
puts(pol.nam);
gotoxy(12,8);
cout<<"  Min./Max. age at entry : ";
cout<<pol.minagemat<<" / "<<pol.maxagemat;
gotoxy(12,10);
cout<<"  Max. maturity age : "<<pol.maxmatage;
gotoxy(12,12);
cout<<"  Min./Max. policy term : "<<pol.minpolt<<" / "<<pol.maxpolt;
gotoxy(12,14);
cout<<"  Min./Max. sum assured : "<<pol.minsumass<<" / ";
puts(pol.maxsumass);
gotoxy(12,16);
cout<<"  Mode allowed : ";
puts(pol.modeall);
gotoxy(12,18);
cout<<"  Accident Benefit : "<<pol.acci_ben;
cout<<" per thousand S.A. per annum";
gotoxy(12,20);
cout<<"  Compound Interest : "<<pol.CI;
gotoxy(12,22);
cout<<"  Female Lives : "<<pol.femliv;
gotoxy(12,24);
cout<<"  Age Proof : ";
puts(pol.agepro);
gotoxy(12,26);
cout<<"  Non Medical (General) : ";
puts(pol.nonmed_gen);
gotoxy(12,28);
cout<<"  Non Medical (Special) : ";
puts(pol.nonmed_spe);
gotoxy(12,30);
cout<<"  Term rider option : ";
puts(pol.termrideroptn);
gotoxy(12,32);
cout<<"  Critical illness rider : ";
puts(pol.crtcalilnesridr);
cout<<"\n";
for(x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(y=2;y<34;y++)
{
delay(5);
gotoxy(80,y);

```

```

cout<<"•";
}
gotoxy(12,36);
cout<<"Does this policy satisfy your needs?(Y/N) : ";
a:in=getch();
switch(in)
{
case 'Y':
case 'y':newcus(pol);
case 'n':
case 'N':newpol();
default:goto a;
}
}
/* NEW POLICY FORM */
void newcus(poldet pol)
{
int j;
clrscr();
for(int i=0;i<15;i++)
{
if(strcmp(custm[i].nam,"\0")==0)
break;
}
gotoxy(28,3);
cout<<"POLICY FORM FOR ";
puts(pol.nam);
gotoxy(25,6);
cout<<"Please enter the following details : ";
gotoxy(25,8);
cout<<"- NAME : ";
a:gets(custm[i].nam);
if(strcmp(custm[i].nam,"\0")==0)
goto a;
gotoxy(25,10);
cout<<"- AGE : ";
b:cin>>custm[i].age;
if(custm[i].age<pol.minagemat||custm[i].age>pol.maxagemat)
{
cout<<"Age must be between "<<pol.minagemat<<" to
"<<pol.maxagemat<<" years";
goto b;
}
else
{
gotoxy(20,40);
for(j=0;j<34;j++)
cout<<" ";
}
gotoxy(25,12);
cout<<"- ADDRESS : ";
gotoxy(29,14);
cout<<"* HOUSE NO. : ";

```

```

c:gets(custm[i].addcust.hno);
if(strcmp(custm[i].addcust.hno,"\0")==0)
goto c;
gotoxy(29,16);
cout<<"* AREA : ";
d:gets(custm[i].addcust.area);
if(strcmp(custm[i].addcust.area,"\0")==0)
goto d;
gotoxy(29,18);
cout<<"* CITY : ";
e:gets(custm[i].addcust.city);
if(strcmp(custm[i].addcust.city,"\0")==0)
goto e;
gotoxy(29,20);
cout<<"* STATE : ";
f:gets(custm[i].addcust.stat);
if(strcmp(custm[i].nam,"\0")==0)
goto f;
gotoxy(25,22);
if(strcmp(pol.nam,"JEEVAN KISHORE"))
cout<<"- SALARY : ";
if(strcmp(pol.nam,"JEEVAN KISHORE"))
cin>>custm[i].sal;
gotoxy(25,24);
cout<<"- POLICY AMOUNT : ";
g:cin>>custm[i].polamt;
if(custm[i].polamt<pol.minsumass)
{
gotoxy(20,40);
cout<<"Policy amount must be more than Rs. "<<pol.minsumass;
goto g;
}
else
{
gotoxy(20,40);
for(j=0;j<50;j++)
cout<<" ";
}
cout<<endl;
gotoxy(25,26);
cout<<"- MODE OF PAYMENT : "<<endl;
cout<<"( Q=QUARTERLY, H=HALF YEARLY, Y=YEARLY)";
h:custm[i].mod_pay=getch();
cout<<endl;
switch(custm[i].mod_pay)
{
case 'q':
case 'Q':
case 'h':
case 'H':
case 'y':
case 'Y':custm[i].mod_pay=toupper(custm[i].mod_pay);
cout<<custm[i].mod_pay;

```

```

getch();
break;
default:goto h;
}
gotoxy(25,30);
cout<<"- POLICY TERM : "<<endl;
for(j=0;j<20;j++)
cout<<" ";
k:custm[i].polterm=0;
gotoxy(41,30);
for(j=0;j<15;j++)
cout<<" ";
cin>>custm[i].polterm;
cout<<endl;
if((custm[i].polterm<pol.minpolt)||((custm[i].polterm>pol.maxpolt))
{
gotoxy(20,40);
cout<<"Policy term must be between "<<pol.minpolt;
cout<<" to "<<pol.maxpolt<<" years";
goto k;
}
else
{
gotoxy(20,40);
for(j=0;j<34;j++)
cout<<" ";
}
gotoxy(29,16);
cout<<"* CITY : ";
puts(custm[i].addcust.city);
gotoxy(29,18);
cout<<"* STATE : ";
puts(custm[i].addcust.stat);
gotoxy(25,20);
cout<<"- POLICY NAME : ";
puts(custm[i].polbt);
gotoxy(25,22);
if(strcmp(pol.nam,"JEEVAN KISHORE"))
cout<<"- SALARY : Rs. "<<custm[i].sal;
gotoxy(25,24);
strcpy(custm[i].polbt,pol.nam);//copy the policy name to customer's
details
custm[i].code=fabs((100*i)+89-(custm[i].age));//create unique code
custm[i].prem=premcalf(custm[i],pol);//calculate premium
clrscr();
gotoxy(30,3); \
cout<<"Your details are : ";
gotoxy(25,6);
cout<<"- NAME : ";
puts(custm[i].nam);
gotoxy(25,8);
cout<<"- AGE : "<<custm[i].age;
gotoxy(25,10);

```

```

cout<<" ADDRESS : ";
gotoxy(29,12);
cout<<"* HOUSE NO. : ";
puts(custm[i].addcust.hno);
gotoxy(29,14);
cout<<"* AREA : ";
puts(custm[i].addcust.area);
ut<<" POLICY AMOUNT : Rs. "<<custm[i].polamt;
gotoxy(25,26);
cout<<" POLICY TERM : "<<custm[i].polterm<<" years";
gotoxy(25,28);
cout<<" MODE OF PAYMENT : ";
switch(custm[i].mod_pay)
{
case 'Y':cout<<"YEARLY";
break;
case 'H':cout<<"HALF YEARLY";
break;
case 'Q':cout<<"QUARTERLY";
}
gotoxy(25,30);
cout<<endl<<" PREMIUM : Rs. "<<custm[i].prem<<" per
annum"<<endl;
gotoxy(25,32);
cout<<endl<<" CUSTOMER CODE : "<<custm[i].code<<endl;
getch();
cusmen();
}
/* PREMIUM CALCULATION */
float premlcalc(cust custm,poldet pol)
{
float a;
if(custm.age<(pol.minagemat+pol.maxagemat)/2)
{
if(custm.polterm<=(pol.minpolt+pol.maxpolt)/2)
custm.sa_pt_pa=pol.sa_pt_patrm1_ag1;
if(custm.polterm>(pol.minagemat+pol.maxagemat)/2)
custm.sa_pt_pa=pol.sa_pt_patrm2_ag1;
}
if(custm.age>=(pol.minagemat+pol.maxagemat)/2)
{
if(custm.polterm<=(pol.minpolt+pol.maxpolt)/2)
custm.sa_pt_pa=pol.sa_pt_patrm1_ag2;
if(custm.polterm>(pol.minpolt+pol.maxpolt)/2)
custm.sa_pt_pa=pol.sa_pt_patrm2_ag2;
}
if(custm.mod_pay=='h'||custm.mod_pay=='H')
custm.sa_pt_pa*=0.985;
else if(custm.mod_pay=='y'||custm.mod_pay=='Y')
custm.sa_pt_pa*=0.97;
if(custm.polamt>pol.minsumass&&custm.polamt<=(2*pol.minsumass))
custm.sa_pt_pa=1;
if(custm.polamt>(2*pol.minsumass))

```

```

custm.sa_pt_pa-=2;
a=(custm.sa_pt_pa)*(custm.polamt)/1000;
return a;
}
/* OLD CUSTOMER'S DETAILS */
void oldcus()
{
int flag=0;
clrscr();
gotoxy(25,6);
cout<<"PLEASE ENTER CUSTOMER CODE : ";
int pn;
cin>>pn;
for(int i=0;i<15;i++)
{
if(pn==custm[i].code)//check the customer code
{
flag=1;
gotoxy(25,10);
cout<<"- NAME : ";
puts(custm[i].nam);
gotoxy(25,12);
cout<<"- AGE : "<<custm[i].age;
gotoxy(25,14);
cout<<"- ADDRESS : ";
gotoxy(29,16);
cout<<"* HOUSE NO. : ";
puts(custm[i].addcust.hno);
gotoxy(29,18);
cout<<"* AREA : ";
puts(custm[i].addcust.area);
gotoxy(29,20);
cout<<"* CITY : ";
puts(custm[i].addcust.city);
gotoxy(29,22);
cout<<"* STATE : ";
puts(custm[i].addcust.stat);
gotoxy(25,24);
cout<<"- POLICY NAME : ";
puts(custm[i].polbt);
gotoxy(25,26);
cout<<"- SALARY : Rs. "<<custm[i].sal;
gotoxy(25,28);
cout<<"- POLICY AMOUNT : Rs. "<<custm[i].polamt;
gotoxy(25,30);
cout<<"- POLICY TERM : "<<custm[i].polterm<<" years";
gotoxy(25,32);
cout<<"- MODE OF PAYMENT : ";
switch(custm[i].mod_pay)
{
case 'Y':cout<<"YEARLY";
break;
case 'H':cout<<"HALF YEARLY";

```



```

break;
case 'Q':cout<<"QUARTERLY";
}
gotoxy(25,34);
cout<<"- PREMIUM : Rs. "<<custm[i].prem<<" per
annum";
getch();
cusmen();
}
}
if(flag==0) //if customer is not found
{
gotoxy(25,8);
cout<<"SORRY, CUSTOMER NOT FOUND";
}
getch();
cusmen();
}
/* AGENT MENU */
void agnmen()
{
char b;
x:clrscr();
cout<<"\n";
for(int x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(int y=1;y<17;y++)
{
delay(5);
gotoxy(0,y);
cout<<"•\n";
}
gotoxy(36,5);
cout<<"AGENT MENU";
gotoxy(36,6);
cout<<"$$$$$$$$";
gotoxy(36,9);
cout<<"O=OLD AGENT";
gotoxy(36,11);
cout<<"N=NEW AGENT";
gotoxy(36,13);
cout<<"T=TERMS & CONDITIONS";
gotoxy(36,15);
cout<<"B=BACK";
gotoxy(36,17);
cout<<"X=EXIT";
cout<<"\n\n";
for(x=0;x<80;x++)
{
delay(5);

```

```

cout<<"•";
}
for(y=2;y<19;y++)
{
delay(5);
gotoxy(80,y);
cout<<"•";
}
gotoxy(30,21);
cout<<"Please enter your choice : ";
y:b=getch();
switch(b)
{
case 'o':
case 'O':oldagn();
break;
case 'n':
case 'N':newagn();
break;
case 'T':
case 't':tncagn();
goto x;
case 'b':
case 'B':mainmen();
break;
case 'X':
case 'x':exit(0);
break;
default:goto y;
}
}

/* NEW AGENT FORM */
void newagn()
{
int o;
clrscr();
for(int i=0;i<15;i++)
{
if(strcmp(agt[i].nam,"\0")==0)
break;
}
gotoxy(34,3);
cout<<"NEW AGENT FORM";
gotoxy(25,6);
cout<<"Please enter the following details : ";
gotoxy(25,8);
cout<<"- NAME : ";
gotoxy(25,10);
cout<<"- AGE : ";
gotoxy(25,12);
cout<<"- ADDRESS : ";
gotoxy(29,14);

```

```

cout<<"* HOUSE NO. : ";
gotoxy(29,16);
cout<<"* AREA : ";
gotoxy(29,18);
cout<<"* CITY : ";
gotoxy(29,20);
cout<<"* STATE : ";
gotoxy(25,22);
cout<<"- SALARY : ";
gotoxy(25,24);
cout<<"- POLICIES SOLD : ";
x:gotoxy(34,8);
gets(agt[i].nam);
if(strcmp(agt[i].nam,"\0")==0)
goto x;
y:gotoxy(33,10);
cin>>agt[i].age;
if(agt[i].age<18)
{

gotoxy(20,40);
cout<<"Age must be more than 18";
gotoxy(33,10);
for(o=0;o<4;o++)
cout<<" ";
goto y;
}
else
{
gotoxy(20,40);
for(o=0;o<35;o++)
cout<<" ";
}
a:gotoxy(43,14);
gets(agt[i].addagn.hno);
if(strcmp(agt[i].addagn.hno,"\0")==0)
goto a;
b:gotoxy(38,16);
gets(agt[i].addagn.area);
if(strcmp(agt[i].addagn.area,"\0")==0)
goto b;
c:gotoxy(38,18);
gets(agt[i].addagn.city);
if(strcmp(agt[i].addagn.city,"\0")==0)
goto c;
d:gotoxy(39,20);
gets(agt[i].addagn.stat);
if(strcmp(agt[i].addagn.stat,"\0")==0)
goto d;
gotoxy(36,22);
cin>>agt[i].sal;
gotoxy(43,24);
cin>>agt[i].polsld;

```

```

if((agnt[i].polsld)>0&&(agnt[i].polsld)<1000) //categorise the agent
strcpy(agnt[i].categ,"BRANCH MANAGER CLUB MEMBER");
else if((agnt[i].polsld)>999&&(agnt[i].polsld)<2000)
strcpy(agnt[i].categ,"DIVISIONAL MANAGER CLUB MEMBER");
else if((agnt[i].polsld)>1999&&(agnt[i].polsld)<3000)
strcpy(agnt[i].categ,"ZONAL MANAGER CLUB MEMBER");
else if((agnt[i].polsld)>2999)
strcpy(agnt[i].categ,"CHAIRMAN CLUB MEMBER");
agnt[i].code=fabs(100+(20*agnt[i].age)-(80*i)); //create unique code
clrscr();
gotoxy(34,3);
cout<<"Your details are : ";
gotoxy(25,6);
cout<<"- NAME : ";
puts(agnt[i].nam);
gotoxy(25,8);
cout<<"- AGE : "<<agnt[i].age;
gotoxy(25,10);
cout<<"- SALARY : Rs. "<<agnt[i].sal;
gotoxy(25,12);
cout<<"- ADDRESS : ";
gotoxy(29,14);
cout<<"* HOUSE NO. : ";
puts(agnt[i].addagn.hno);
gotoxy(29,16);
cout<<"* AREA : ";
puts(agnt[i].addagn.area);
gotoxy(29,18);
cout<<"* CITY : ";
puts(agnt[i].addagn.city);
gotoxy(29,20);
cout<<"* STATE : ";
puts(agnt[i].addagn.stat);
gotoxy(25,22);
cout<<"- POLICIES SOLD : "<<agnt[i].polsld;
gotoxy(25,24);
cout<<"- AGENT CATEGORY : ";
puts(agnt[i].categ);
gotoxy(25,26);
cout<<"- AGENT CODE : "<<agnt[i].code;
getch();
agnmen();
}
/* OLD AGENT'S DETAILS */
void oldagn()
{
int flag=0;
clrscr();
gotoxy(25,6);
cout<<"PLEASE ENTER THE AGENT CODE : ";
int pn;
cin>>pn;
for(int i=0;i<15;i++)

```

```

{
if(pn==agnt[i].code)//check agent code
{
flag=1;
gotoxy(25,9);
cout<<"- NAME : ";
cout<<agnt[i].nam;
gotoxy(25,11);
cout<<"- ADDRESS : ";
gotoxy(29,13);
cout<<"* HOUSE NO. : ";
puts(agnt[i].addagn.hno);
gotoxy(29,15);
cout<<"* AREA : ";
puts(agnt[i].addagn.area);
gotoxy(29,17);
cout<<"* CITY : ";
puts(agnt[i].addagn.city);
gotoxy(29,19);
cout<<"* STATE : ";
puts(agnt[i].addagn.stat);
gotoxy(25,21);
cout<<"- POLICIES SOLD : ";
cout<<agnt[i].polsld;
gotoxy(25,23);
cout<<"- AGENT CATEGORY : ";
puts(agnt[i].categ);
gotoxy(25,25);
cout<<"- SALARY : Rs. ";
cout<<agnt[i].sal;
getch();
agnmen();
}
}
if(flag==0)//if agent is not found
{
gotoxy(25,8);
cout<<"SORRY, AGENT NOT FOUND";
}
getch();
agnmen();
}
/* T&C FOR AGENTS */
void tncagn()
{
clrscr();
cout<<"\n";
for(int x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(int y=1;y<34;y++)

```

```

{
delay(5);
gotoxy(0,y);
cout<<"•\n";
}
gotoxy(25,5);
cout<<"TERMS & CONDITIONS FOR AGENT";
gotoxy(25,6);
cout<<"$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$";
gotoxy(15,10);
cout<<"- MINIMUM ELIGIBILITY FOR LIFE INSURANCE AGENCY";
gotoxy(19,12);
cout<<"* QUALIFICATION : 12th class passed";
gotoxy(19,14);
cout<<"* AGE : 18 years completed";
gotoxy(19,16);
cout<<"* Applicant should have passed the online exam";
gotoxy(21,18);
cout<<"conducted by NSE-IT";
gotoxy(15,22);
cout<<"- AGENT'S LICENSE is issued for 3 years in the";
gotoxy(17,24);
cout<<"beginning and renewed thereafter for another 3 years";
gotoxy(17,26);
cout<<"after the completion of 25 hours of Agent's training.";
gotoxy(15,30);
cout<<"- BUSINESS CONDITION FOR THE AGENCY ENFORCED";
gotoxy(19,32);
cout<<"* 12 lives with 1 lac sum assured";
gotoxy(19,34);
cout<<"* First Premium Income(FPI) : Rs. 1 lac";
cout<<"\n\n";
for(x=0;x<80;x++)
{
delay(5);
cout<<"•";
}
for(y=2;y<36;y++)
{
delay(5);
gotoxy(80,y);
cout<<"•";
}
getch();
}
/* DISPLAY FEEDBACK FORM */
void feed()
{
char str[9]="THANK YOU";
clrscr();
gotoxy(34,3);
cout<<"FEEDBACK FORM";
gotoxy(34,4);

```

```

cout<<"*****";
gotoxy(6,6);
cout<<"Please enter the following details : ";
gotoxy(6,8);
cout<<"AGE : ";
cin>>fbk.age;
gotoxy(6,10);
cout<<"GENDER (m/f) : ";
b:fbk.gndr=getch();
switch(fbk.gndr)
{
case 'm':
case 'M':
case 'f':
case 'F':cout<<fbk.gndr;
break;
default:goto b;
}
getch();
gotoxy(6,12);
cout<<"OCCUPATION : ";
c:gets(fbk.occp);
if(strcmp(fbk.occp,"\0")==0)
goto c;
gotoxy(6,14);
cout<<"MONTHLY INCOME : ";
cin>>fbk.inc;
gotoxy(32,16);
cout<<"QUESTIONNAIRE FORM";
gotoxy(32,17);
cout<<"*****";
gotoxy(6,19);
cout<<"How would you rate the company's performance on the following
service features";
gotoxy(6,21);
cout<<"using (1-7) where \"1\" indicates LOW rating & \"7\" indicates
HIGH rating";
gotoxy(6,23);
cout<<"1. Performing the service right the first time : ";
fbk.a[0]=feedval();
gotoxy(6,25);
cout<<"2. Agents give you prompt service : ";
fbk.a[1]=feedval();
cout<<endl;
cout<<"3. Agents are always willing to help you : ";
fbk.a[2]=feedval();
cout<<endl;
gotoxy(6,29);
cout<<"4. You feel safe in your transactions : ";
fbk.a[3]=feedval();
gotoxy(6,31);
cout<<endl;
cout<<"5. Agents understand your specific needs : ";

```

```
fbk.a[4]=feedval();
gotoxy(36,47);
for(int x=0;x<9;x++)
{
cout<<str[x];
delay(100);
}
getch();
exit(0);
}
/* INPUT THE RATINGS & CHECK THEM */
char feedval()
{
char x;
d:x=getch();
if(x>'0'&&x<'8')
cout<<x;
else
goto d;
getch();
return x;
}
```


Output / Result / Screenshot

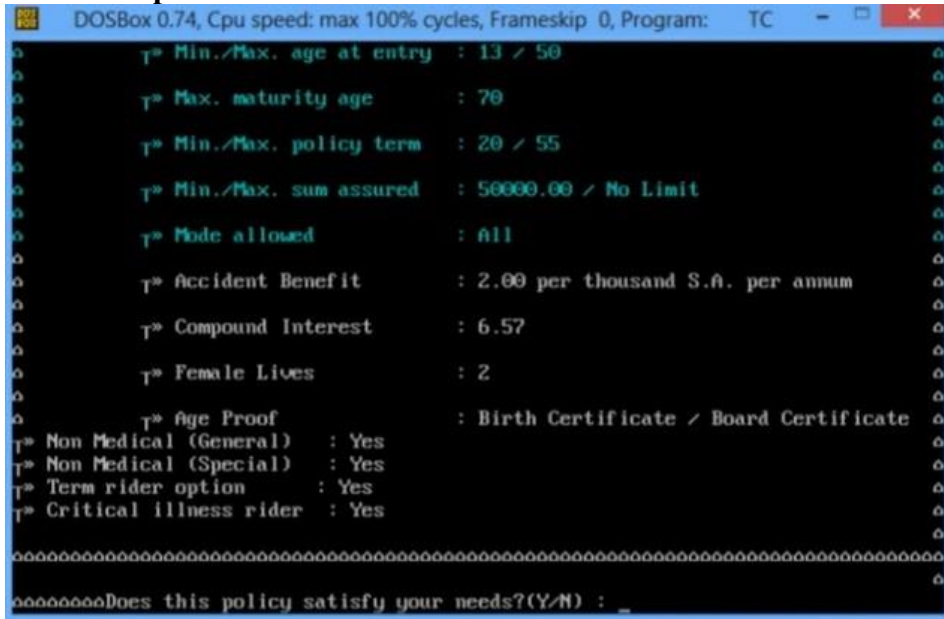
Main Menu:-

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC
WELCOME TO LIFE INSURANCE COMPANY
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
L.I.C. MENU
C=CUSTOMER
A=AGENT
X=EXIT
Please enter your choice : _
```

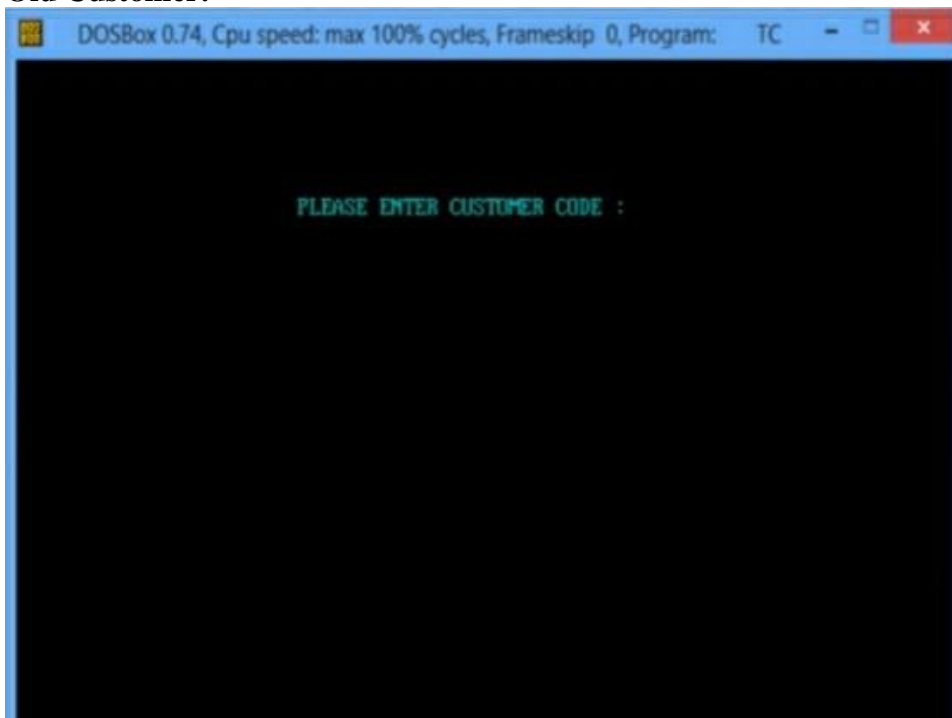
Customer Menu:-

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC
AGENT MENU
$$$$$$$$$$
O=OLD AGENT
N=NEW AGENT
T=TERMS & CONDITIONS
B=BACK
X=EXIT
Please enter your choice : _
```

Form fill up Process:-



Old Customer:-

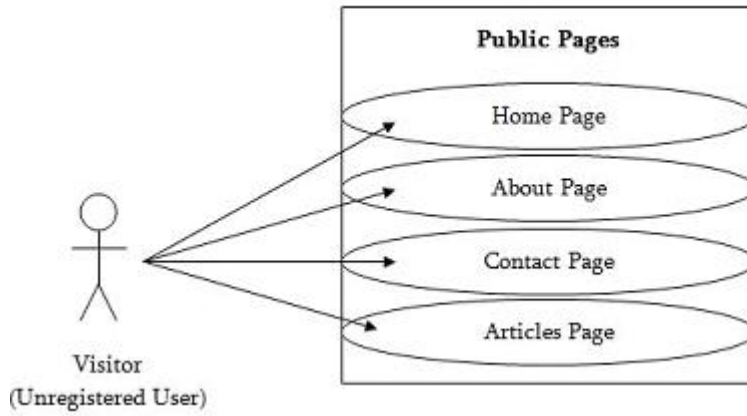


Policy Data

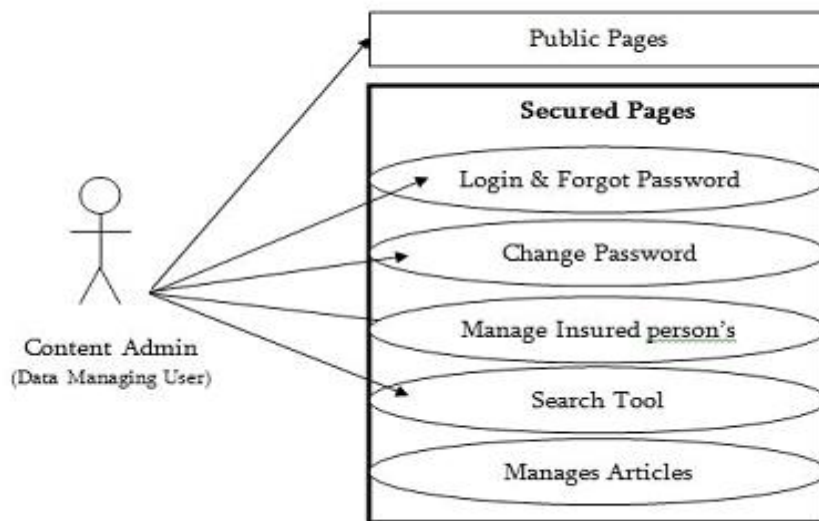
Policy Number	Customer Number	Agent code	DOC	Product	Sum Assured	Payment Period	Installmet period	Policy info	Action
123564789	10002	234abc231	2018-10-02	Jeevan Labh	35000	5	10	Policy Data	Delete
284049583	10002	234abc231	2007-06-20	Jeevan Lakshya	450000	35	80	Policy Data	Delete
458688854	10003	234abc231	2019-08-05	rfea	883	4	5	Policy Data	Delete

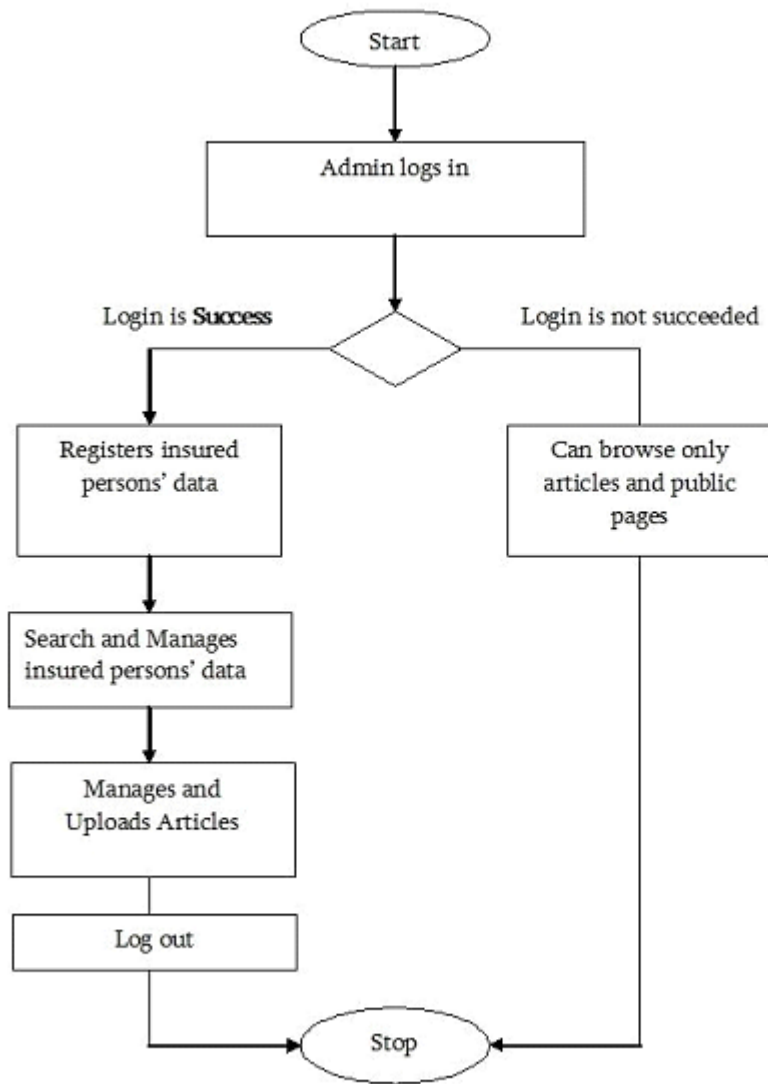
IMPLEMENTATION OR ARCHITECTURE DIAGRAM

Use Case Diagram: Visitor and Facilities



Use Case Diagram: Online Registered Members and Facilities





Conclusion/Future Enhancement

Existing LIC Database system do not provide facility to select the particular policy by going through each policy details. Customers has to be dependent on agent to get details on particular policy.

While taking any particular policy, customers do not able to get information what will be the minimum instalment to be made and in what mode. Agent are also not able to check their account any time as per their requirement and the details of customers who have taken policy from them along with their policy maturity date

The present system do not provide the correct medium for the agents to know their commissions which has been made while selling any particular policy.

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- <https://www.kashipara.com/project/vb/628/lic-management-system-vb-project-source-code>
- <https://sites.google.com/site/ignoubcafinalyearprojects/insurance-asp-net-management-java-system-php-project-mca-report-bca-documentation>
- <https://code-projects.org/insurance-management-system-in-php-with-source-code/>