

CAR INSURANCE POLICY GENERATOR



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01

PROBLEM DEFINITION

With increasing need of protecting ourselves from the financial risks due to accidents and other incidents, it is important to purchase a car insurance policy. The system aims to generate an insurance policy according to various factors.

- REGISTER
- LOGIN
- PROFILE
- VIEW POLICIES
- GENERATE POLICY
- DOWNLOAD POLICY

02

★ FEATURES ★

03

OVERVIEW AND WORKING



OVERVIEW

- The car insurance policy is generated on the basis of various conditions which the user enters.
- The installment schedule may be quarterly, half-yearly or yearly
- The policy may be for self damage, third-party damage or both
- The premium calculation is based on the following factors :

Gender

Year of Registration

Age

City

Cubic Capacity

Price of car

FACTOR CALCULATION

Gender	Factor
Male	0.0020
Female	0.0015

Year of Registration	Factor
2013 - 2016	0.0030
2017 - 2019	0.0020
2020 - 2021	0.0010

City	Factor
Mumbai	0.0040
Pune	0.0035
Nagpur	0.0030
Aurangabad	0.0025
Nashik	0.0020

FACTOR CALCULATION

Capacity(in cc)	Factor
800 - 999	0.0010
1000 - 1199	0.0020
1200 - 1300	0.0030

Price of car	Factor
500000 - 999999	0.0010
1000000 - 1999999	0.0020
2000000-9999999	0.0030

Age (in years)	Factor
20 - 39	0.0020
40 - 59	0.0015
60 - 99	0.0030

WORKING



PREMIUM BASED ON DAMAGE TYPE

DAMAGE	PREMIUM
SELF DAMAGE	$\text{PRICE} * \text{FACTOR} * 0.8$
THIRD PARTY DAMAGE	$\text{PRICE} * \text{FACTOR}$
BOTH	$\text{PRICE} * \text{FACTOR} * 1.3$



INSURANCE BASED ON DAMAGE TYPE

DAMAGE	INSURANCE
SELF DAMAGE	$\text{PRICE} * 0.2$
THIRD PARTY DAMAGE	$\text{PRICE} * 0.3$

- The module of making a claim can be included
- Change profile details
- Forgot password
- The GUI application can be developed into a website and more features can be included such as making payment of premium amount


04

★
FUTURE SCOPE★



05

CONCEPTS USED



**DATA STRUCTURES AND
CONTROL STATEMENTS**

**GUI PROGRAMMING
WITH TKINTER**

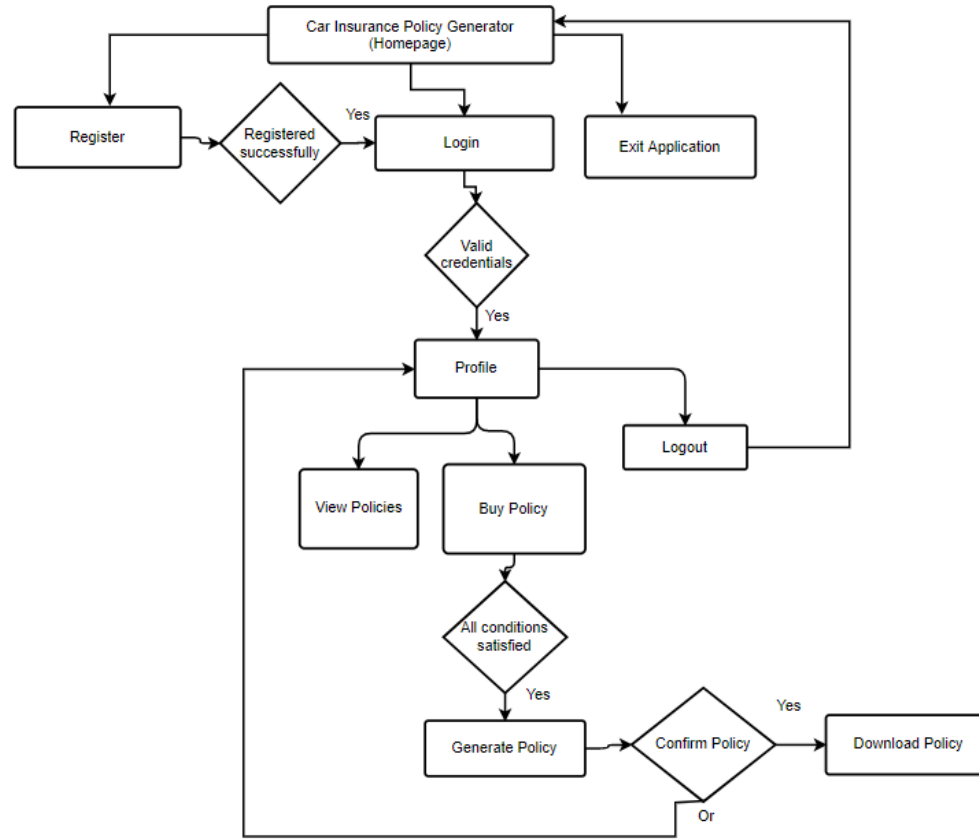
REGULAR EXPRESSIONS

DATABASE ACCESS

06

IMPLEMENTATION

FLOW DIAGRAM



OVERVIEW OF CLASSES

Login_Window

Contains the feature to login and option to navigate to register window

Register

Contains feature to register

Profile

Displays the profile of the user currently logged in

Buy_Policy

User can enter details to generate policy

View_Policies

User can view the policies purchased

Policy_Details

Generates policy after user enters required details

Confirm_Window

Displays details of policy after user confirms and gives option to download policy