Insurance management system

Parul Institute of Computer Applications

Semester 6 Project

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Company Details

Phoenixzone Technologies Pvt Ltd

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Abstract

- This website is an online micro insurance analysis and information management system that provides easy access of information regarding the people and resources of insurance. This site is not a static site but with wonderful dynamic facilities like search tools for insurance awareness article, guidelines, illustrations through images for visitors. This site also provides several dynamic features.

Comparison of new system with existing system

- There will be a feature of raising ticket issues and tracking the tickets module which will help the customer to solve their queries.
- There will be seperate control panel for both Customers and Admin.
- This project is developed in PHP Language, so it is easier to use and manage.
- Previous systems doesn’t have modules like Insurer and Policy, which provide easier accessibility to both users and admins.

Technology and HW, SW Requirement Specification

- **Programming language is used to proposed this System is PHP Language and MySQL server.**
- **Code will be implemented in Microsoft Visual Studio Code.**

Hardware Requirements:

- Pentium IV Processor
- Storage – 50 GB or more
- Ram – 2 GB or more

Software Requirements:

- Windows 7 or any Linux Distro or MACOS
- PHP Triad (PHP5.6, MySQL, Apache, PHPMyAdmin)
- Any IDE (Code Editor like VS Code) and updated Browser

Modules and its short description

- This system is consist of two module -
    1) User Module
    2) Admin Module

User Module

This module having two sections -

1) Insurance
2) Ticket

Modules and its short description

Admin Module

This module having seven sections -

1) Login
2) Registration
3) Insurance Category
4) Insurance Sub-category
5) Insurance Policy
6) User Details
7) Policy Holders
8) Tickets
9) Insurance

- Both users can view, update their profile and change there password.

Features and its short description

Some features of this system are -

- **PHP Triad:** It is widely used general purpose language that is especially suited for web development and can be embedded into HTML. It primarily acts as a filter, taking input from a file or stream containing text and it automatically detect the language of the user.
- **Speed Optimization:** PHP scripts are normally kept as human-readable source code, even on production web-servers. In this case scripts will be compiled at run time by the PHP engine, which increases their execution time.

Features and its short description

Some features of this system are -

- **Security:** There are advanced protection patches such as Suhosin and Hardening-Patch, especially designed for web hosting environments. With respect to security the code itself, PHP code can be obfuscated to make it difficult to read while remaining funtional.

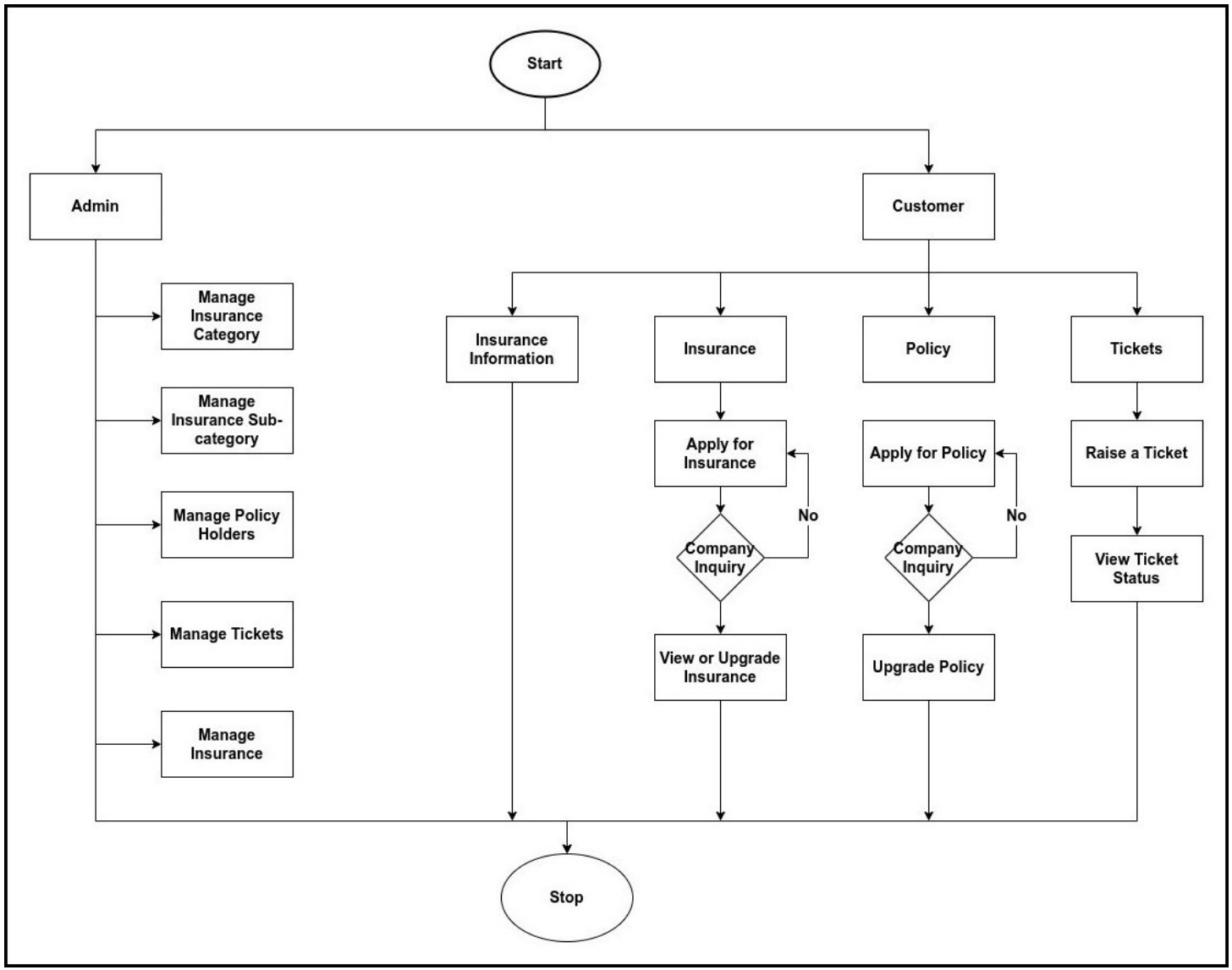
Users and their role description

- There are two users in this system – Admin and Normal User
- Admin can manage of the system main modules like managing insurances & the policies and solving the tickets of the users.
- User can take the benefits by using insurance features and raised tickets if they found any trouble.

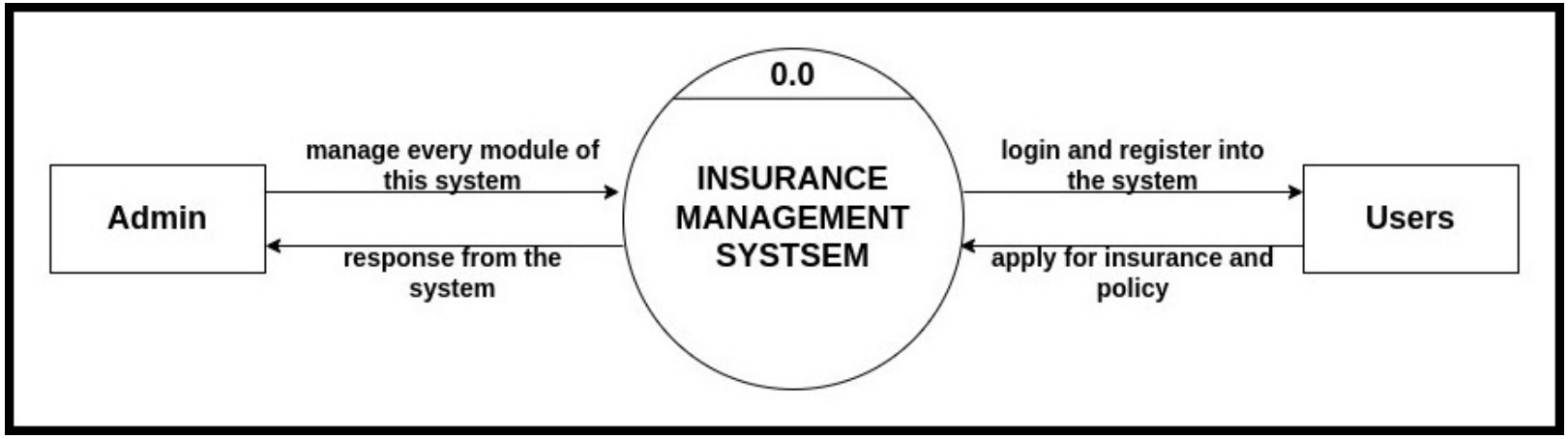
Time Line Chart

Development phase	*75 Days*						Duration N (days)
	0to10 days	11to20 days	21to30 days	31to40 days	41to50 days	51to75 days	
Requirement Gathering							07
Analysis							09
Design							10
Development Phase 1							13
Development Phase 2							13
Development Phase 3							13
Documentation							10
Total time (Days)							**75**

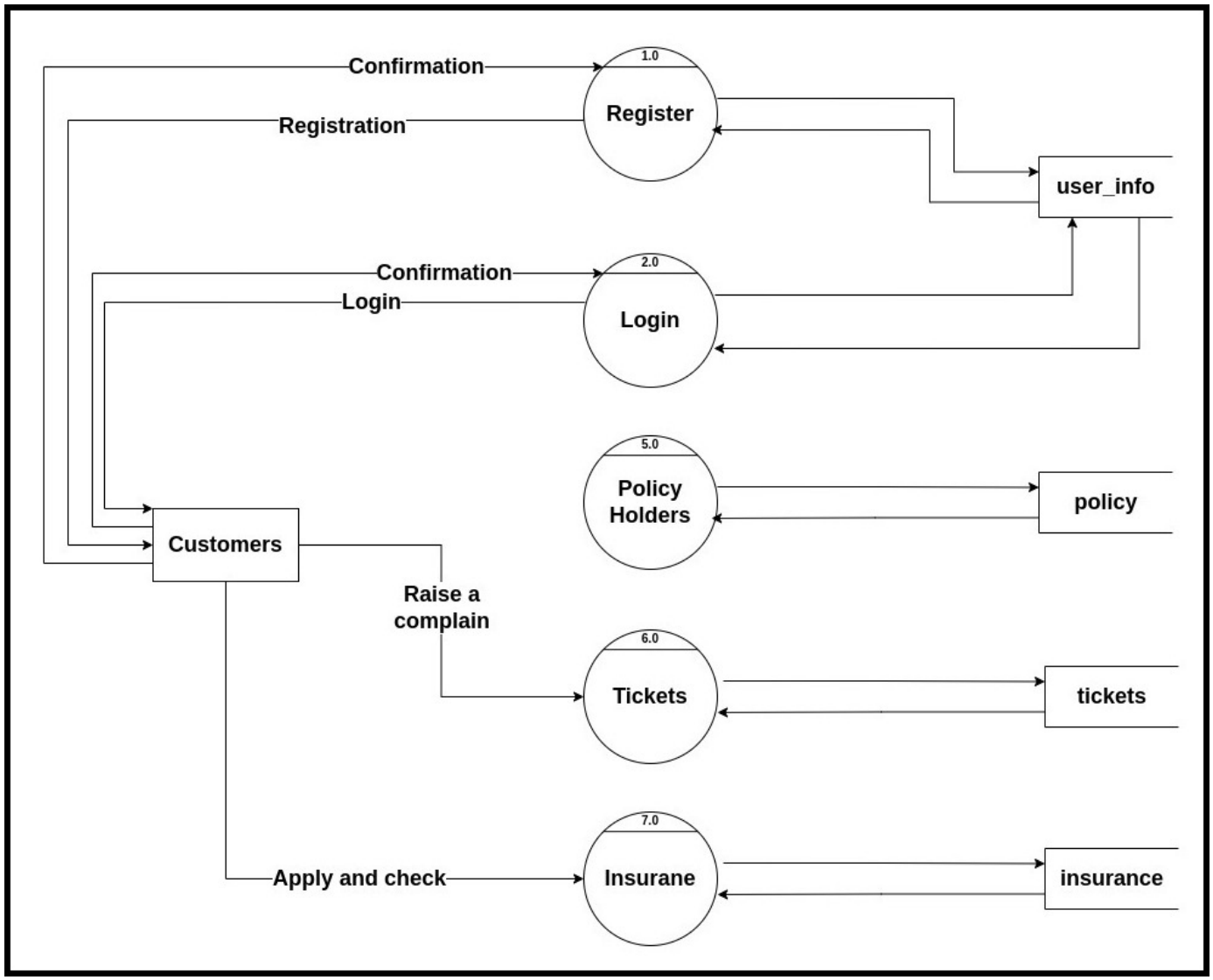
FLOW CHART DIAGRAM



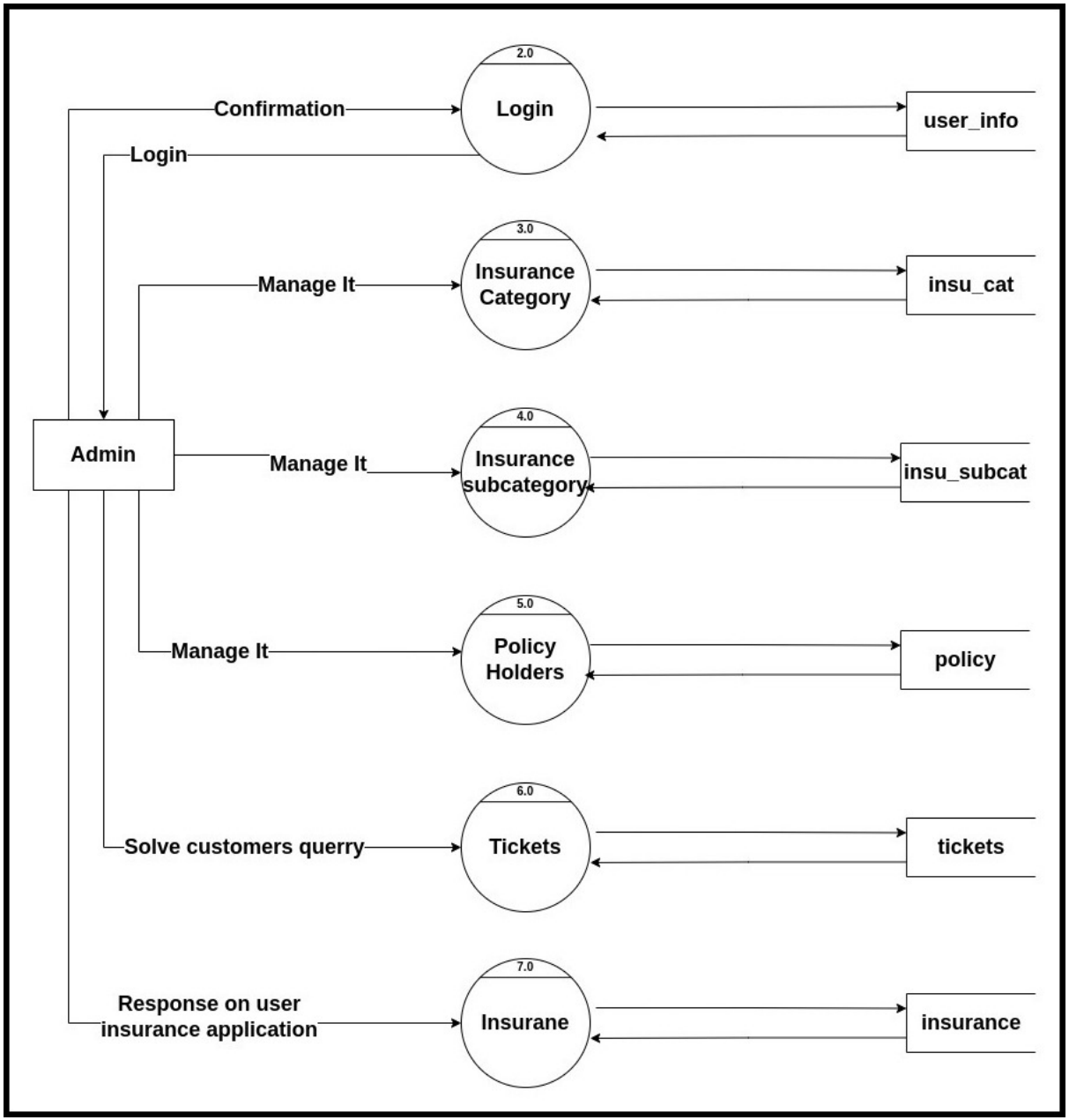
DATA FLOW DIAGRAM (LEVEL-0)



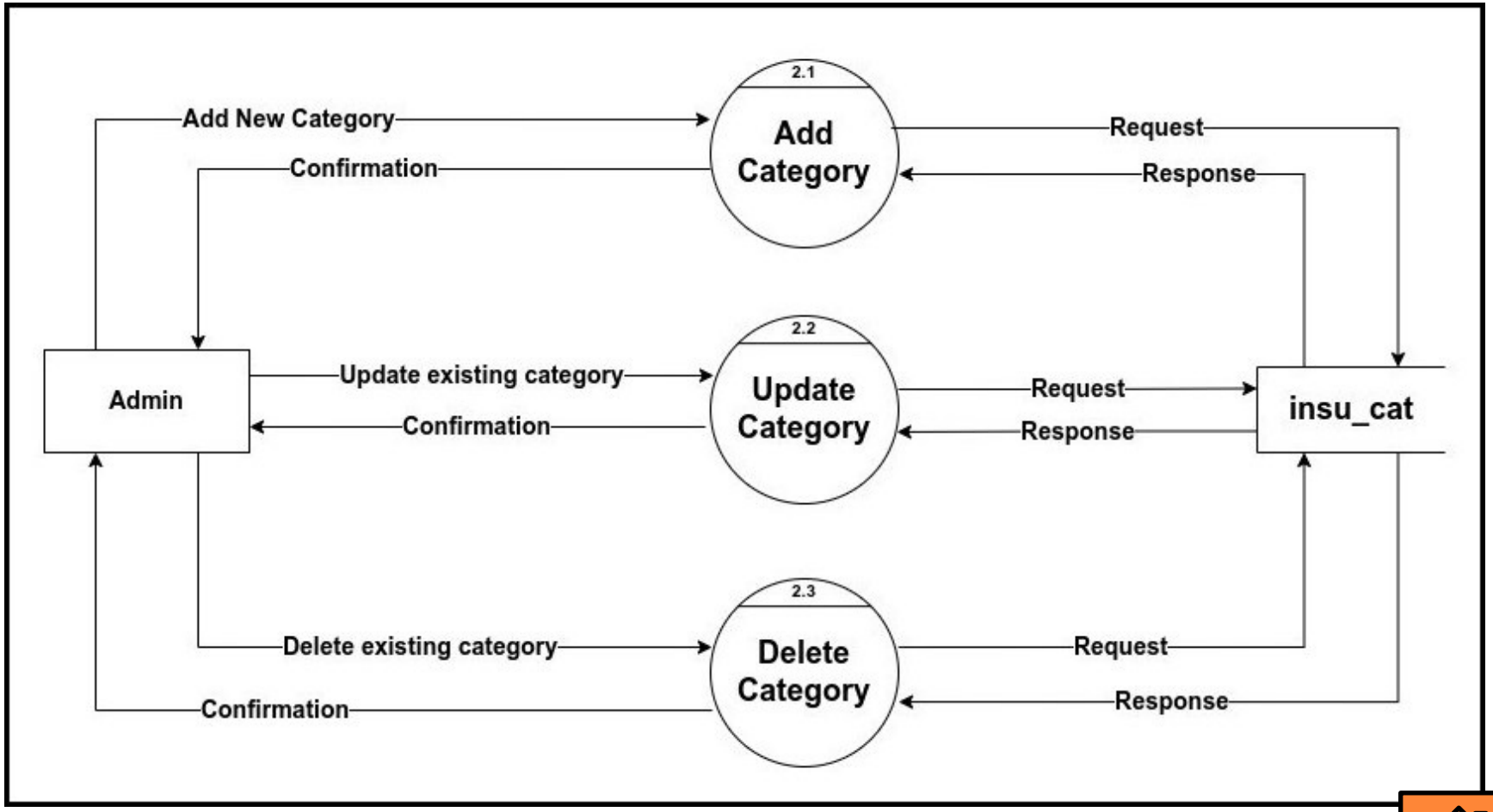
Data flow diagram (Level-1)



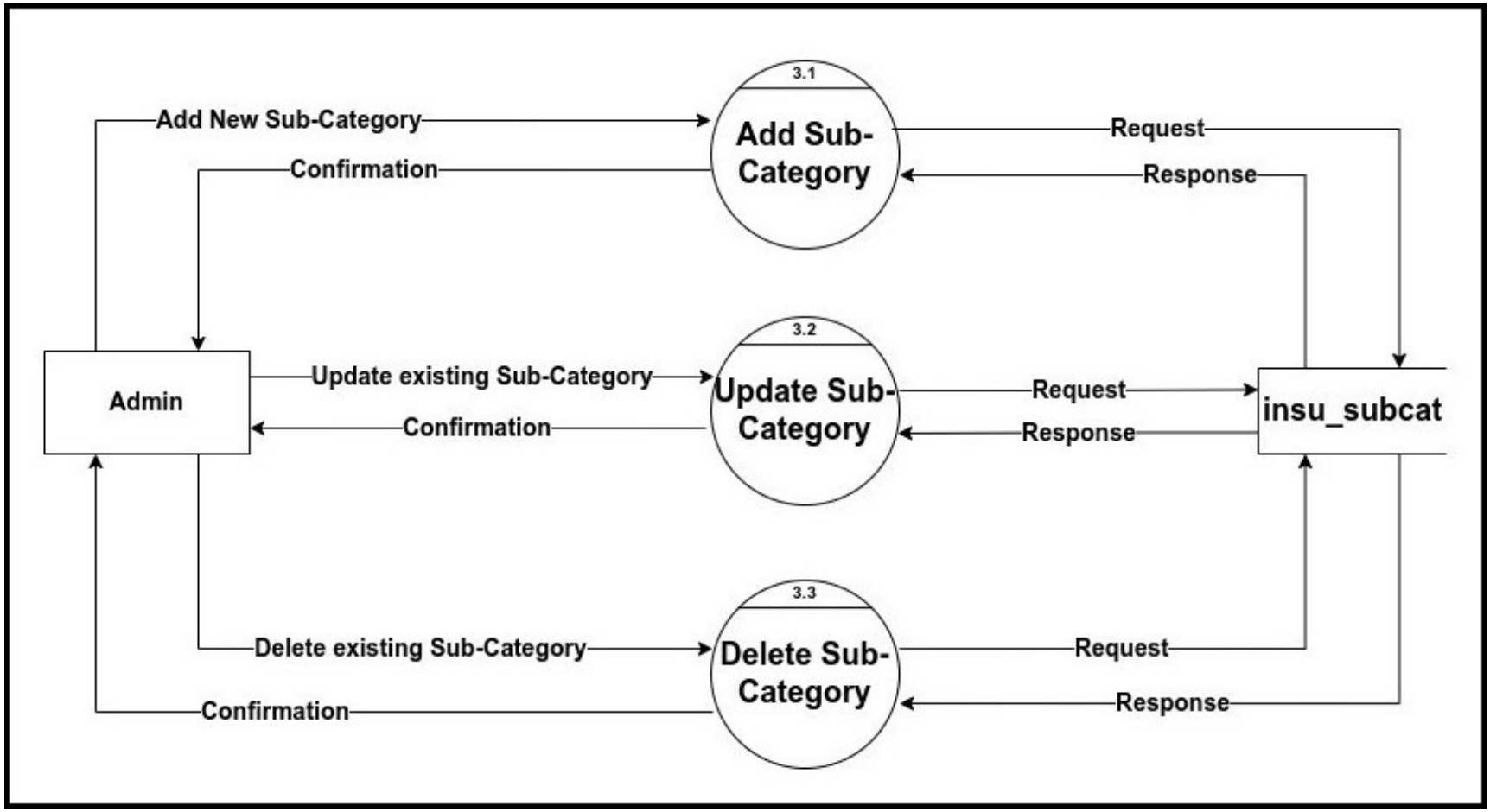
DATA FLOW DIAGRAM (LEVEL-1)



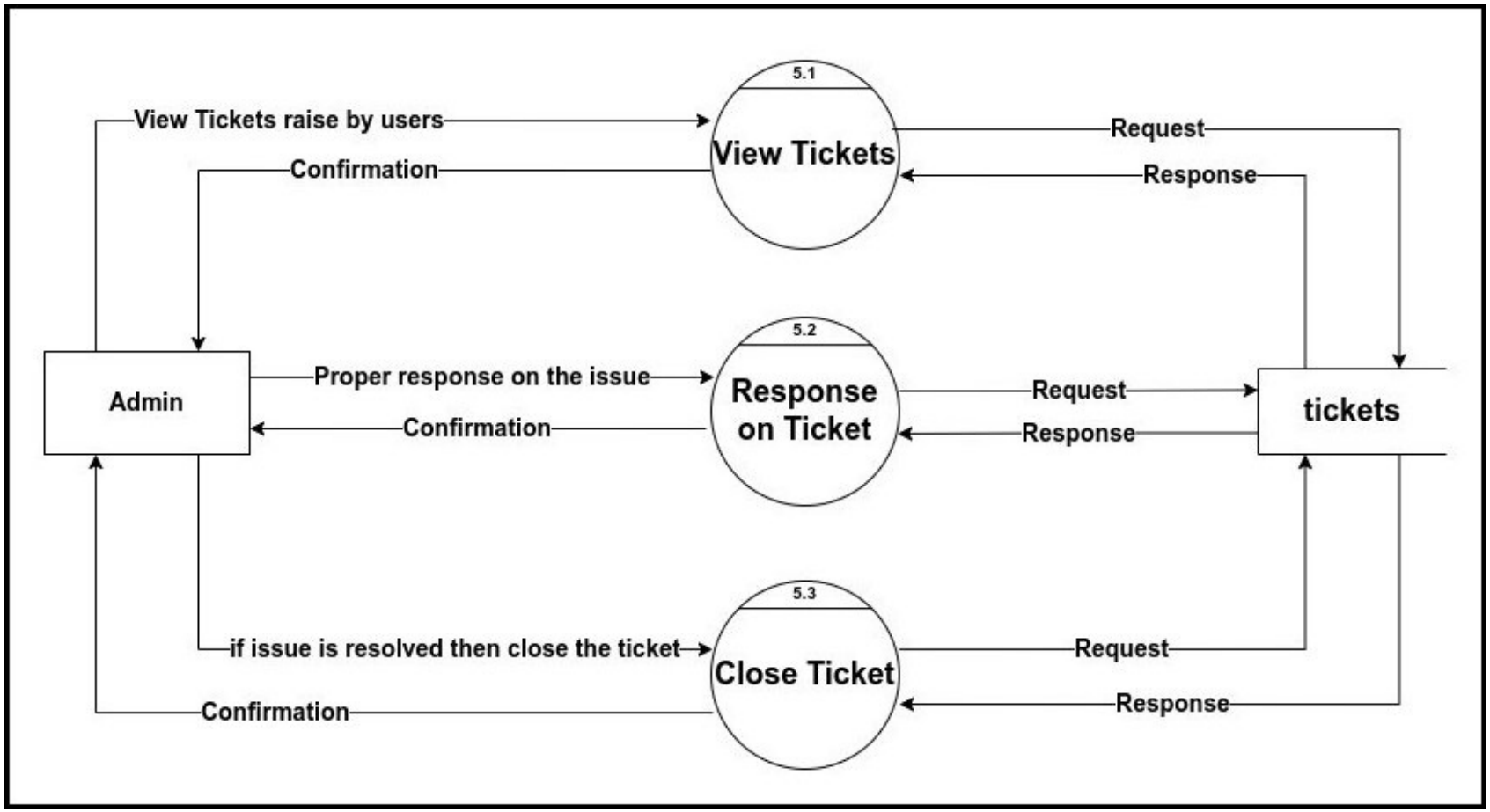
DATA FLOW DIAGRAM (LEVEL-2)



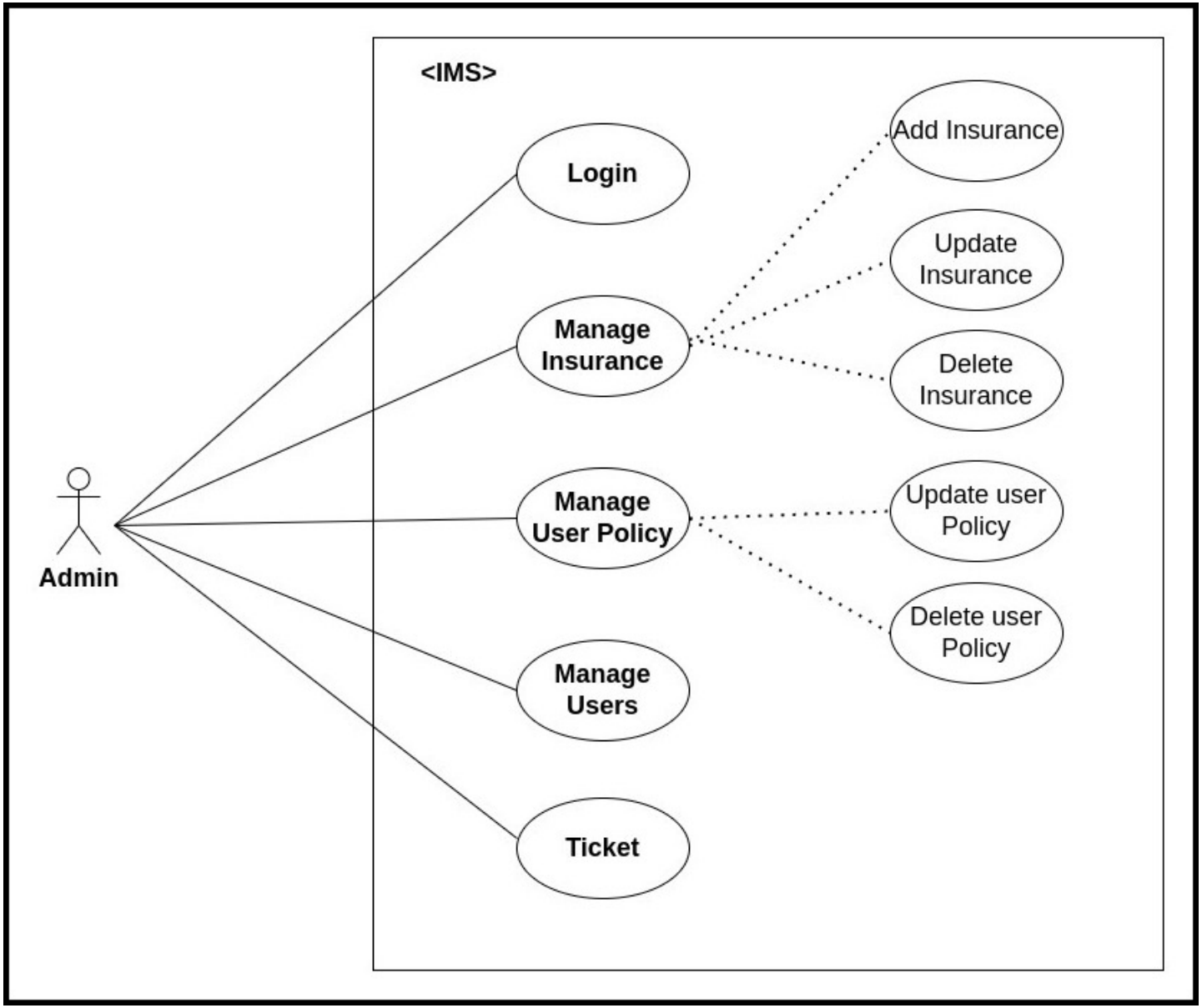
DATA FLOW DIAGRAM (LEVEL-2)



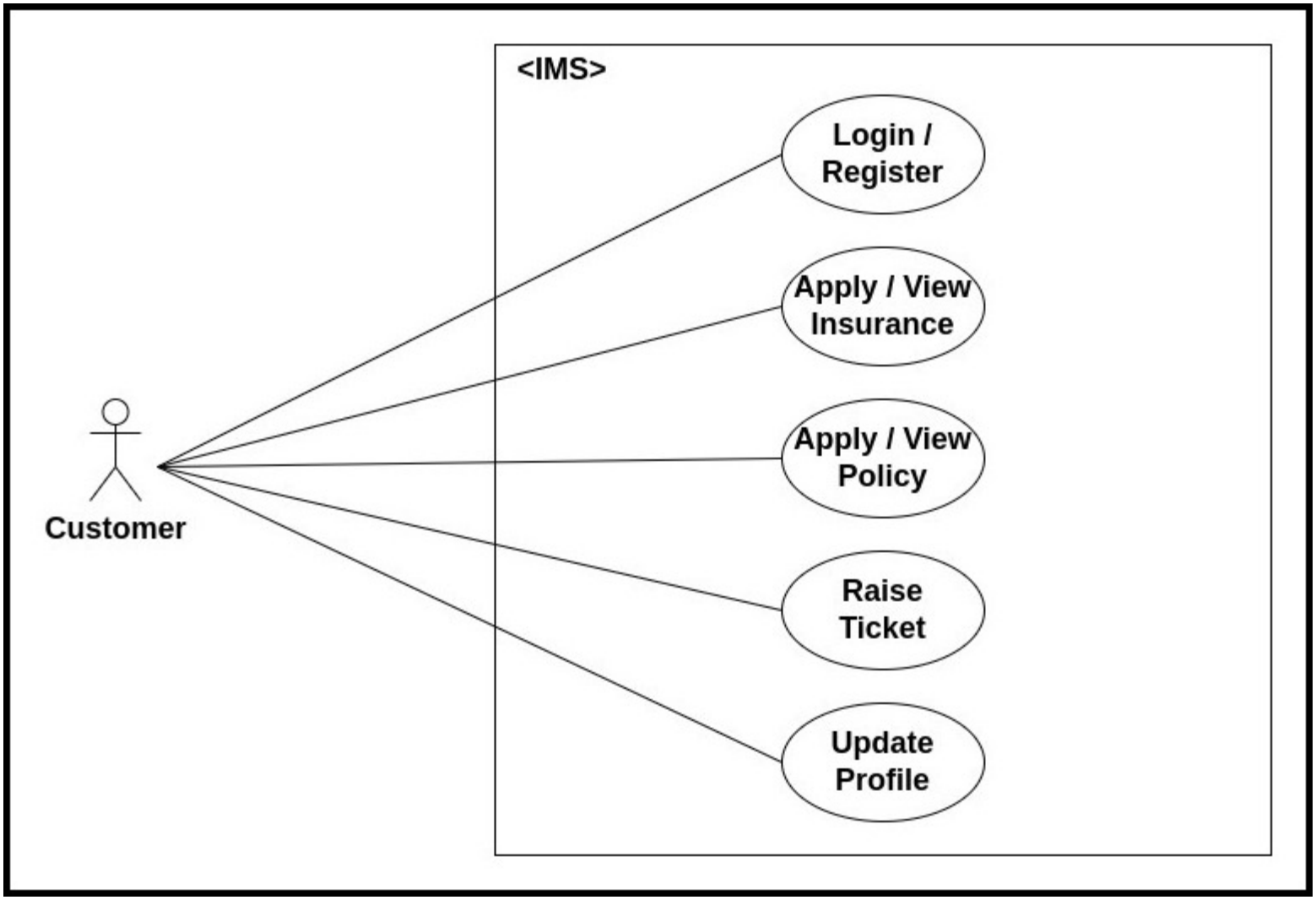
DATA FLOW DIAGRAM (LEVEL-2)



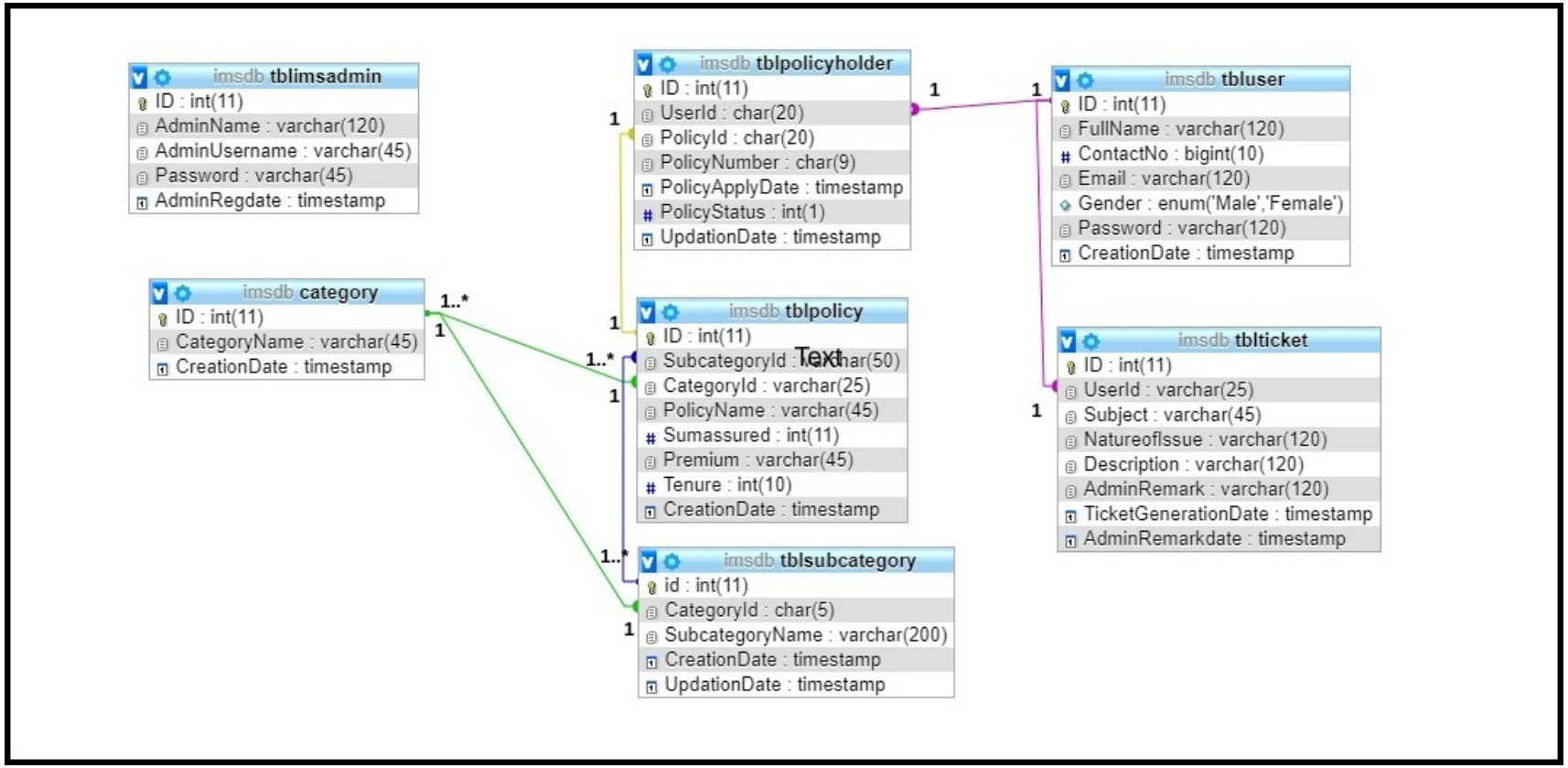
Use case Diagram



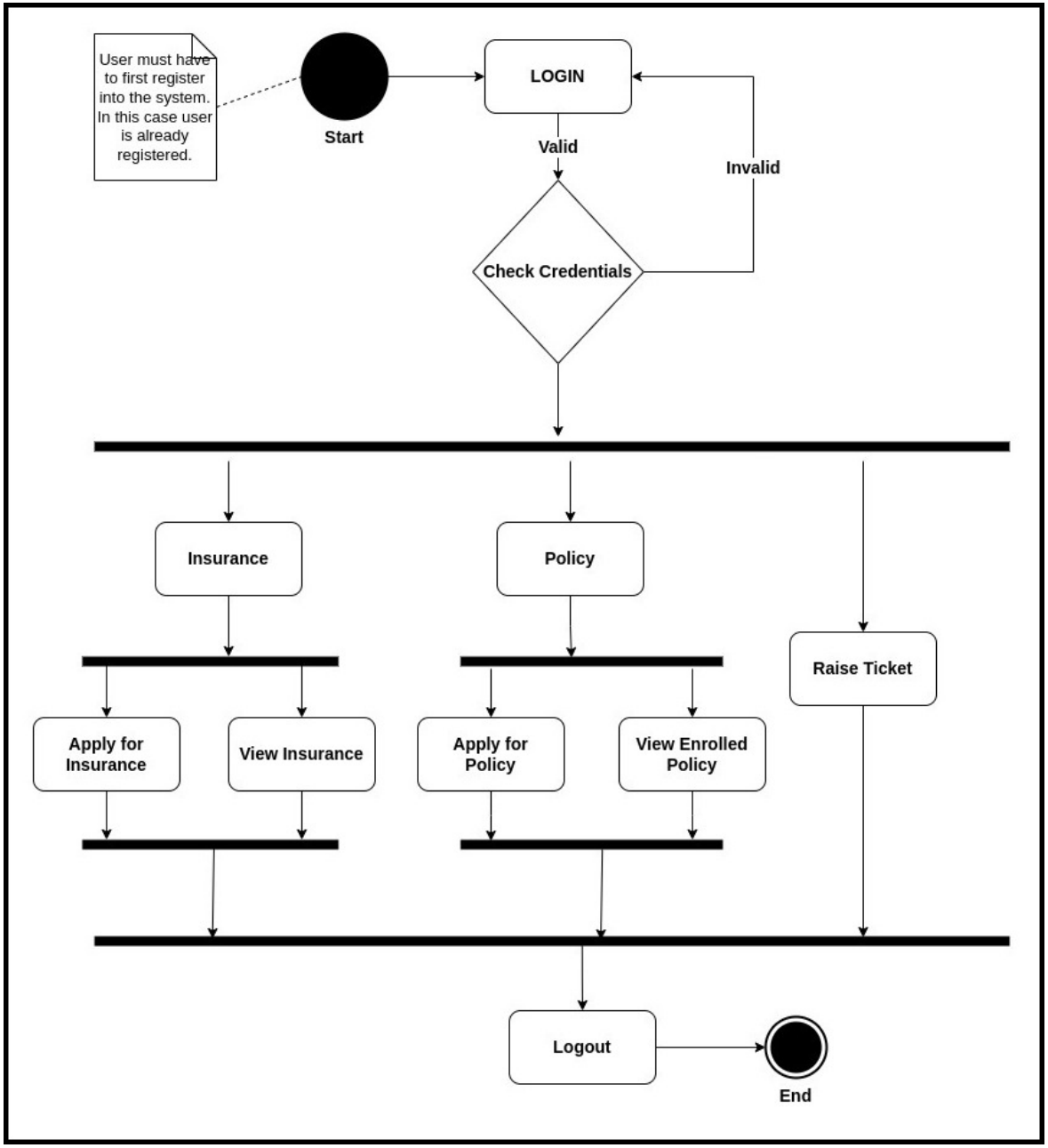
USE CASE DIAGRAM



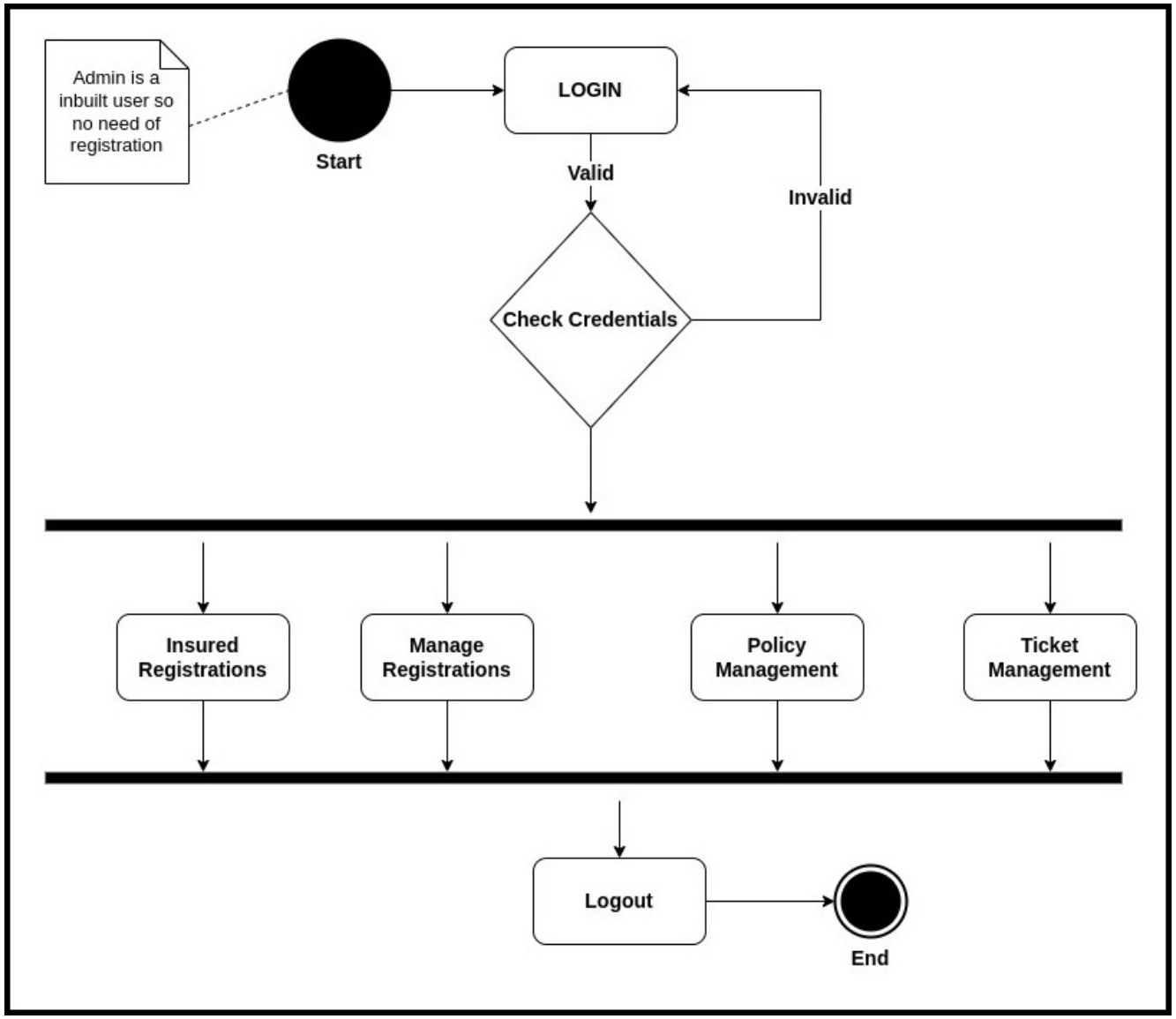
CLASS DIAGRAM



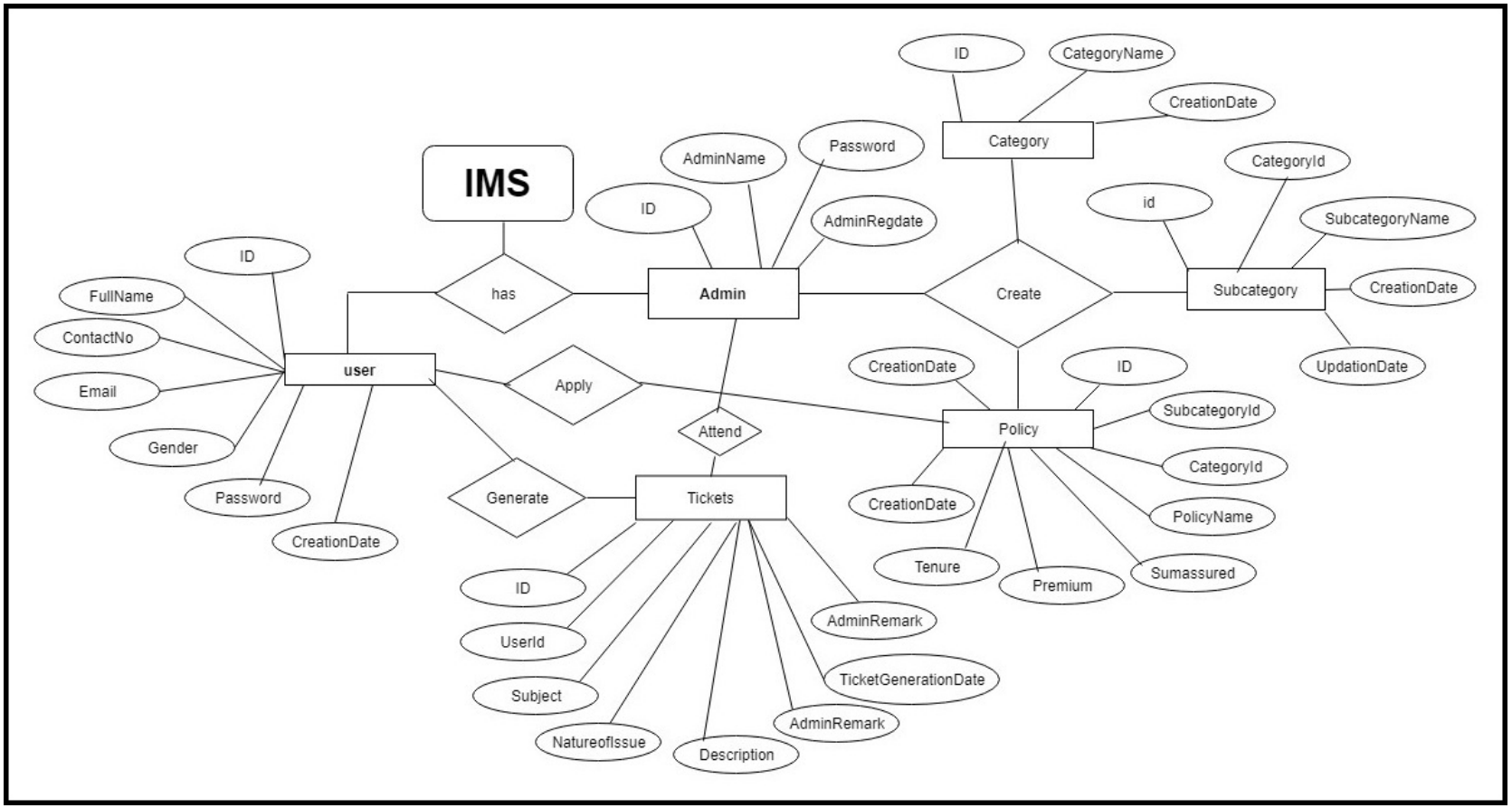
Activity Diagram



Activity Diagram



ER Diagram


IMS
has
Admin
ID
AdminName
Password
AdminRegdate
user
ID
FullName
ContactNo
Email
Gender
Password
CreationDate
Apply
Attend
Generate
Tickets
ID
UserId
Subject
NatureofIssue
Description
AdminRemark
TicketGenerationDate
AdminRemark
Category
ID
CategoryName
CreationDate
Create
id
CategoryId
SubcategoryName
Subcategory
CreationDate
UpdationDate
Policy
CreationDate
ID
SubcategoryId
CategoryId
PolicyName
Sumassured
CreationDate
Tenure
Premium

DATA DICTIONARY

Sr. No	Field Name	Datatype	Size	Description	Constraint	Example
1	Username	varchar	20	Unique id of username	Primary Key	amankrs21
2	Password	varchar	20	Password for unique id		*******

DATA DICTIONARY

Sr. No	Field Name	Datatype	Size	Description	Constraint	Example
1.	Username	varchar	20	Username of customer	Primary Key	23252
2.	Full Name	varchar	20	Name of the User		Aman Singh
3.	Contact No	varchar	10	Contact Number of the User		7079818064
4.	Address	varchar	50	Full Address of the user		Waghodia
5.	City	varchar	10	Current city of the user		Vaodara
6.	State	varchar	10	Current state of the user		Gujarat
7.	Country	varchar	10	Current country of the user		India

DATA DICTIONARY

Sr. No	Field Name	Datatype	Size	Description	Constraint	Example
1.	Admin Name	varchar	10	Name of the Admin		Admin
2.	Admin Username	varchar	10	Username of Admin	Primary Key	admin
3.	password	varchar	20	Password of the user		******
4.	regdate	datetime		Date and time of admin register		12-12-2022

DATA DICTIONARY

Sr. No	Field Name	Datatype	Size	Description	Constraint	Example
1.	userid	varchar	20	ID of user	Foreign Key	amankrs21
2.	policyid	varchar	20	ID of Policy	Primary Key	RD7529BYT
3.	policynumber	varhcar	20	Policy Number		8784782647
4.	applydate	datetime		Apply Date Time of insurane		12-12-2022
5.	policystatus	int	1	Status of the Policy		True
7.	updatedate	datetime		Update date time of policy		12-12-2022

DATA DICTIONARY

Sr. No	Field Name	Datatype	Size	Description	Constraint	Example
1.	id	int	10	ID of the category	Primary key	1
2.	categoryname	varchar	20	Name of the category		Health Insurance
3.	Categorydate	datetime		Date of category		12-12-2022

DATA DICTIONARY

Sr. No	Field Name	Datatype	Size	Description	Constraint	Example
1.	id	int	10	ID of Sub-Category	Primary Key	1
2.	categoryid	varchar	5	Id of the category	Foreign Key	
3.	subcatname	varchar	20	Name of Subcategories		
3.	createdate	datetime		Date of Creation		12-12-2022
4.	updatedate	datetime		Date of Updation		12-12-2022

Limitations

- This System still having some bugs which needs to be resolved. This bugs also cause some security issues which make this system vulnerable.
- UI of this system should be more improved, which we will do in the future enhancement.
- The System is not capable of supporting multiple users at a time, it requires a good server hosting.
- Thus this system is online, so users should have a good internet connection to use this system.

Future Enhancement

- **We will always try to fix bug time to time.**
- **We will also try make this system as much easy as can for users.**
- **And we will also try to improve UI of the System.**
- **We will try to add some automation in this system that can reduce the burden of the Admin**

Project video

References & Bibliography

- **Website:**

1. https://in.php.net/
2. https://dev.mysql.com/doc/
3. https://github.com/
4. https://stackoverflow.com/
5. https://www.quora.com/
6. https://w3schools.com/
7. https://www.geeksforgeeks.org/
8. https://www.khanacademy.org/

- **Book:**

1. PHP in Advanced
2. SQL Beginners Guide

- **Other Resources:**

1. Some Journals
2. YouTube

Thank you !!!