Insurance Information Portal

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System Requirements

- Any web browser + OS
- Installation Requirements : Xampp (local host)

Languages/Tools Used

- PHP
- Html
- SQL (backend)

Working Explained :-

Main Entities

We have made an insurance management system to manage data of one branch of an insurance company. The branch has many **Admins** and each admin can have many **Agents**.

Admin can maintain records of agents and also check **premiums** of every customer. So, there is one to many relationship between “Admin” and “Agent”.

To link both tables , Admin_id (Primary key of “Admin” table) is a foreign key in “Agent”.

Supporting Entities

There is a separate table to maintain plan details **“Plan”**. Plan can have Maximum Maturity Age (MMA)

Minimum age **(Min_age)** is the minimum age of eligibility to purchase a term insurance plan and Maximum age(Max_age) is the maximum age of eligibility to purchase a term insurance plan

Range or specific values of Term and Premium Paying Term **(PPT)** is the total number of years for the policy_holder to pay the premium

Minimum valid sum assured **(Min_SA)** is the amount of money an insurance policy guarantees to pay before any bonuses are added

Modes which it can support are Yearly, Half- yearly, Quartely, Monthly or Single-Premium.

Database Working

An agent is a person who represents an insurance firm and sells insurance policies on its behalf. An agent can sell many Policies and each policy must be on a particular plan. So, One to many relationship between “Plan” and “Policy”. And one to many relationships between “Agent” and “Policy”. For these to relations in

“Policy” there is foreign key Agency_code (Primary key of “Agent”) and foreign key Plan_no (Primary key of “Plan”).

Database Working

Policy must satisfy these constraints according to Plan details :

MMA >= Term + Holder’s Age
Min_SA <= SA <= Max_SA
Min_age <= Holder’s Age <= Max_age

Mode of policy = Available in the mode of plan

There is **First Unpaid Premium (FUP)** refers to the first default in paying the premium by the policyholder. On payment of the due premium, a receipt is issued and this receipt indicates the date of next due.

Database Working

For payment record details there is Payment record which is multivalued attribute of “Policy”. So, we have made one weak entity “Payment_record” which has foreign key Policy_no (Primary key of “Policy”). And with discriminator Date_time there is primary key (Policy_no,Date_time). There is one constraint for "Payment_record" : Amount >= Premium

Note : Related Screenshots are uploaded in a separate file in github

Thank You