

# INSURANCE MANAGEMENT SYSTEM

USING PHP AND MYSQL

# GROUP MEMBERS

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# PROBLEM STATEMENT

- DESIGN AN INSURANCE AGENCY MANAGEMENT SYSTEM OR AMS IS A SAAS (SOFTWARE AS A SERVICE) TOOL THAT CAN OPTIMIZE THE EXISTING AGENCY BUSINESS PROCESSES AND RUN HELP THE OPERATIONS EFFECTIVELY. IT TRACKS DETAILS OF THE INSURANCE POLICY, IMPROVES AGENT PRODUCTIVITY, AND PROVIDES INSTANT ACCESS TO CLIENT DATA.

# REQUIREMENT ANALYSIS

- THIS PROJECT CAN BE IMPLEMENTED USING PHP AND MYSQL.
- FIRST WE SHOULD CREATE SEPRATE TABLES IN MYSQL FOR STORING DETIALS OF AGENT, CLIENT, POLICY, PAYMENT AND NOMINEE.
- QUERIES FOR THIS TABLE CREATION SHOULD BE WRITTEN IN A .SQL FILE AND CAN BE INSERTED TO PHPMYADMIN PAGE OF XAMPP SERVER.
- UI DESIGN OF PROJECT CAN BE DONE USING HTML AND CSS. SCRIPTING PART CAN BE DONE USING PHP SO THAT WE CAN ACCESS MYSQL EASILY BY USING \$CONN->QUERY(\$SQL);

# PROJECT DESCRIPTION

- IN THIS IMPLEMENTATION THERE IS TWO TYPE OF LOGIN, AGENT LOGIN AND CLIENT LOGIN.
- THESE SEPERATE LOGIN PROVIDE AGENT ENOUGH INFORMATION ABOUT CLIENT AND HIDE UNWANTED DATA FROM CLIENT. FOR EXAMPLE AGENT CAN KNOW DETIALS ABOUT HIS CLIENTS INCLUDING NUMBER OF CLIENT HE HAVE, WHILE CLIENT CAN HAVE ACCESS ONLY TO HIS DATA ALONG WITH POLICY CLIENT PROVIDE.
- AGENT CAN UPDATE PAYMENT INFORMATION MANUALLY USING ADD PAYMENT BUTTON.
- AGENT HAVE A SEARCH BUTTON THROUGH WHICH HE CAN SEARCH NAME OF ALL HIS CLIENTS AND NOMINEES.

# SCHEMA

## AGENT

agent\_id

agent\_password

name

branch

phone

## CLIENT

client\_id

client\_password

name

sex

birth\_date

martial\_status

nid

phone

address

## NOMINEE

nominee\_id

client\_id

name

sex

birth\_date

nid

relationship

priority

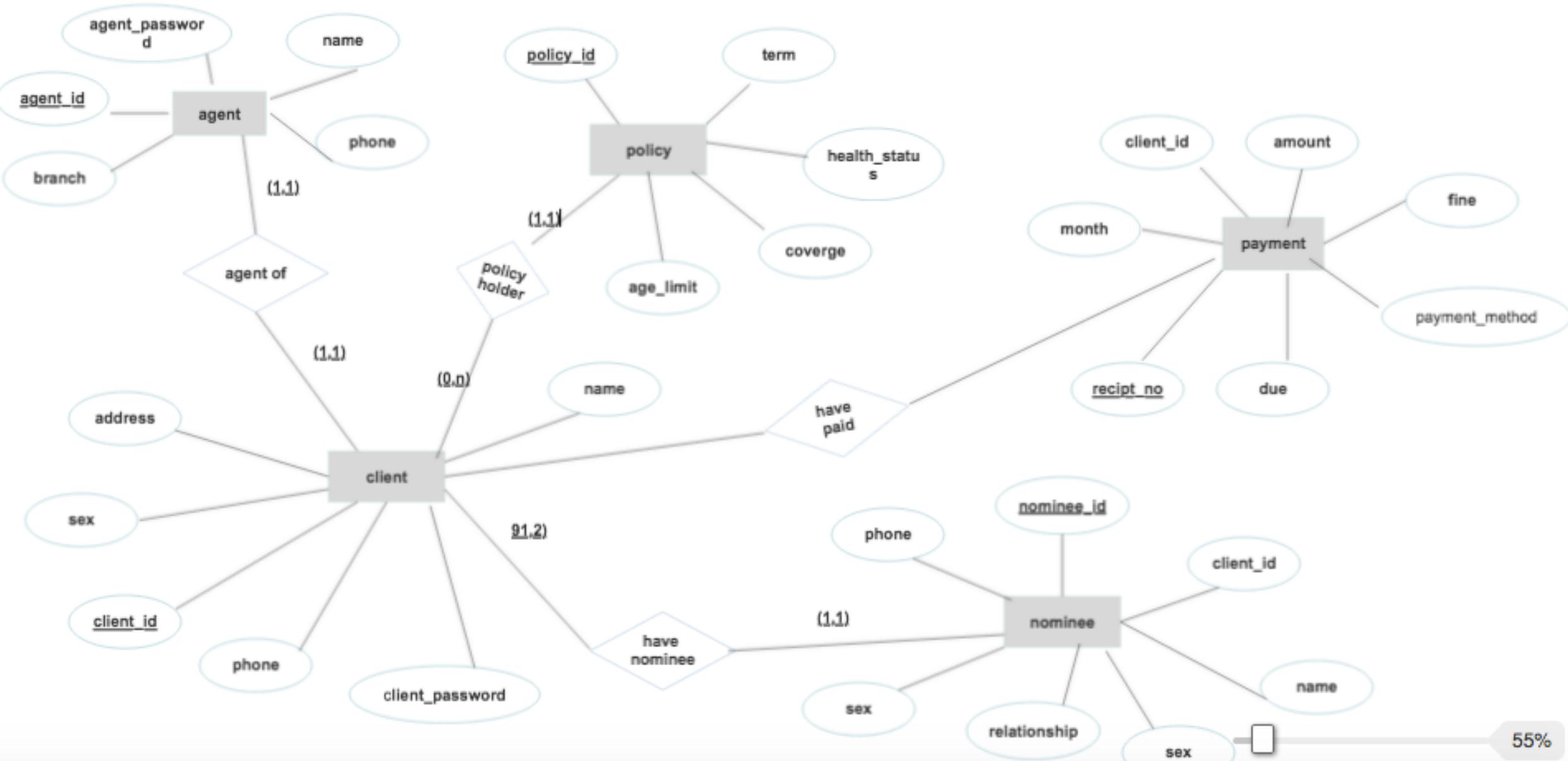
phone

# SCHEMA

PAYMENT
receipt_no
client_id
month
amount
due
fine
agent_id

POLICY
policy_id
term
health_status
system
payment_method
coverage
age_limit

# ER DIAGRAM



# SQL QUERIES

```
mysql> create database insurance;
[Query OK, 1 row affected (0.00 sec)

mysql> use insurance;
[Database changed
mysql> CREATE TABLE IF NOT EXISTS `agent` (
    ->   `agent_id` varchar(50) NOT NULL,
    ->   `agent_password` varchar(30) NOT NULL,
    ->   `name` varchar(50) NOT NULL,
    ->   `branch` varchar(50) NOT NULL,
    ->   `phone` varchar(50) NOT NULL
    -> );
[Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO `agent` (`agent_id`, `agent_password`, `name`, `branch`, `phone`) VALUES
-> ('111', '222', 'Pantha Sorkar', 'Mirpur', '01598745682'),
-> ('1610', '1610', 'Shovon', 'Dhanmondi', '01698484654'),
-> ('222', '333', 'Sultan', 'Mohakhali', '01521302251'),
-> ('555', '666', 'Amit Dutta', 'Mohakhali', '00111'),
-> ('agent007', '111', 'Rafiq Bond', 'Raipur', '654654654645'),
-> ('ahmed', '12345', 'Master User', 'null', 'null');
Query OK, 6 rows affected (0.04 sec)
[Records: 6  Duplicates: 0  Warnings: 0]
```

```
mysql> CREATE TABLE IF NOT EXISTS `client` (
->   `client_id` varchar(200) NOT NULL,
->   `client_password` varchar(30) NOT NULL,
->   `name` varchar(50) NOT NULL,
->   `sex` varchar(20) NOT NULL,
->   `birth_date` varchar(20) NOT NULL,
->   `marital_status` varchar(20) NOT NULL,
->   `nid` varchar(50) NOT NULL,
->   `phone` varchar(20) NOT NULL,
->   `address` varchar(50) NOT NULL,
->   `policy_id` varchar(50) NOT NULL,
->   `agent_id` varchar(20) NOT NULL,
->   `image` varchar(200) NOT NULL
-> );

```

```
Query OK, 0 rows affected (0.05 sec)
```

```
[
```

```
mysql> CREATE TABLE IF NOT EXISTS `nominee` (
->   `nominee_id` varchar(200) NOT NULL,
->   `client_id` varchar(100) NOT NULL,
->   `name` varchar(50) NOT NULL,
->   `sex` varchar(20) NOT NULL,
->   `birth_date` varchar(50) NOT NULL,
->   `nid` varchar(50) NOT NULL,
->   `relationship` varchar(20) NOT NULL,
->   `priority` varchar(20) NOT NULL,
->   `phone` varchar(50) NOT NULL
-> );

```

```
Query OK, 0 rows affected (0.02 sec)
```

```
[
```

```
mysql> CREATE TABLE IF NOT EXISTS `payment` (
    ->   `receipt_no` varchar(20) NOT NULL,
    ->   `client_id` varchar(50) NOT NULL,
    ->   `month` varchar(50) NOT NULL,
    ->   `amount` varchar(50) NOT NULL,
    ->   `due` varchar(50) NOT NULL,
    ->   `fine` varchar(50) NOT NULL,
    ->   `agent_id` varchar(30) NOT NULL
[ -> );
Query OK, 0 rows affected (0.11 sec)

mysql> CREATE TABLE IF NOT EXISTS `policy` (
    ->   `policy_id` varchar(50) NOT NULL,
    ->   `term` varchar(50) NOT NULL,
    ->   `health_status` varchar(50) NOT NULL,
    ->   `system` varchar(50) NOT NULL,
    ->   `payment_method` varchar(50) NOT NULL,
    ->   `coverage` varchar(50) NOT NULL,
    ->   `age_limit` varchar(20) NOT NULL
[ -> );
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO `policy`(`policy_id`, `term`, `health_status`, `system`, `payment_method`,
    -> `coverage`, `age_limit`) VALUES
    -> ('1', '10 year', '500000', '3000', 'Cash/Check', '100%', '50'),
    -> ('2', '10 Years', '1000000', '6500', 'Cash/Check', '100%', '50'),
    -> ('3', '10 Years', '2000000', '13000', 'Cash/Check', '100%', '50');
Query OK, 3 rows affected (0.07 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

```
mysql> ALTER TABLE `agent`  
[ -> ADD PRIMARY KEY (`agent_id`), ADD UNIQUE KEY `agent_id` (`agent_id`);  
Query OK, 0 rows affected (0.23 sec)  
Records: 0  Duplicates: 0  Warnings: 0  
  
mysql> ALTER TABLE `client`  
[ -> ADD PRIMARY KEY (`client_id`), ADD UNIQUE KEY `client_id` (`client_id`);  
Query OK, 0 rows affected (0.13 sec)  
Records: 0  Duplicates: 0  Warnings: 0  
  
mysql> ALTER TABLE `nominee`  
[ -> ADD PRIMARY KEY (`nominee_id`);  
Query OK, 0 rows affected (0.06 sec)  
Records: 0  Duplicates: 0  Warnings: 0  
  
mysql> ALTER TABLE `payment`  
[ -> ADD PRIMARY KEY (`receipt_no`), ADD UNIQUE KEY `receipt_no` (`receipt_no`);  
Query OK, 0 rows affected (0.08 sec)  
Records: 0  Duplicates: 0  Warnings: 0  
  
mysql> ALTER TABLE `policy`  
[ -> ADD PRIMARY KEY (`policy_id`), ADD UNIQUE KEY `policy_id` (`policy_id`);  
Query OK, 0 rows affected (0.17 sec)  
Records: 0  Duplicates: 0  Warnings: 0
```

# IMPLEMENTATION USING PHP

# LOGIN PAGE

The screenshot shows a web browser window with the title "LOGIN PAGE" at the top. The address bar displays "localhost/insurance/index.php". The main content area features a logo consisting of two stylized figures within a house-like shape, followed by the text "Insurance Management System". Below this is a login form with fields for "username" and "password", and a green "LOGIN" button.

Software\_Design - paper\_3 - Google classifier\_descript score808 - Live S Live:Mexico vs Pol Login Page (85) How to Fetch localhost / localhost

localhost/insurance/index.php

Insurance Management System

username

password

LOGIN

# AGENT LOGIN

Software\_Design paper\_3 - Google classifier\_descript score808 - Live S Live:Mexico vs Po Home (85) How to Fetch localhost / localhost

localhost/insurance/home.php

## LIFE INSURANCE

Welcome Farhan

CLIENTS

AGENTS

POLICY

NOMINEE

PAYMENTS

## HOME PAGE

SEARCH

TOTAL CLIENTS: 25

PAYMENT RECORDS: 65

TOTAL AGENTS: 8

# AGENT'S ACCESS TO CLIENT'S INFORMATION

LIFE INSURANCE

Welcome Farhan

CLIENTS

AGENTS

POLICY

NOMINEE

PAYMENTS

CLIENTS INFORMATION

Add Client

CLIENT ID	NAME	BIRTH DATE	NID	PHONE	ADDRESS	STATUS	UPDATE
1511986023	John Green	11-05-1985	0121567952	013548743688	Uttara	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511986129	Aemon Task	10-09-1970	46814518451	54189465100	Dhaka	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511986256	Gareth Walker	05-09-1987	5216541656	0169780980	Noakhali	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511986409	Hillary Clinton	15-09-1978	156498408704	074740548974	New York	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511986641	Salman Muktadir	14-02-1992	49847561198465	987451315	Dhaka	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511986754	Ashraf Bin Shahadat	03-10-1996	9875423140	01658794121	Chittagong	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511986912	Tisha Khan	19-08-1990	48540406540	8798451321320	Dhaka	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511987011	S. a. Sadik	05-03-1987	8725129982	01515644470	Hatirpool, Dhaka	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511987599	Aamir Khan	14-03-1965	6526648857	01833036524	Banani, Dhaka	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511987920	Emre Can	12-03-1992	16545153165	012589746	Liverpool	<a href="#">Client Status</a>	<a href="#">Edit</a>
1511987932	Lailatul Jannat Lamia	07-12-1991	9188858735	01762274542	Dhap, Rnagpur	<a href="#">Client Status</a>	<a href="#">Edit</a>

# OTHER AGENT'S INFORMATION IN AGENT'S LOGIN

The screenshot shows a web application interface for managing insurance agents. The top navigation bar includes tabs for Software\_Design, paper\_3 - Google, classifier\_descript, score808 - Live Sp, Agents (which is the active tab), (86) How to Fetch, and localhost / localhost. The URL in the address bar is localhost/insurance/agent.php.

The main header features a blue bar with the text "LIFE INSURANCE" on the left and a red button with a white exclamation mark icon on the right.

The left sidebar has a green header with a user icon and the text "Welcome Farhan". Below it are five menu items: "CLIENTS", "AGENTS" (which is selected and highlighted in blue), "POLICY", "NOMINEE", and "PAYMENTS".

The central content area is titled "AGENTS INFORMATION" and displays a table with the following data:

AGENT ID	NAME	BRANCH	PHONE
111	Sai Srinivas	Mirpur	01598745682
1610	Kalyan	Dhanmondi	01698484654
222	Sultan	Mohakhali	01521302251
23421	Vishnu	Patna	0011332
3214	Farhan	Calicut	01521302251
555	Pranav	Delhi	00111
887	Rafiq Bond	Raipur	654654654645

# PAYMENT INFORMATION IN AGENT'S LOGIN

Screenshot of a web browser showing the "Payments" tab selected in the tab bar. The URL in the address bar is `localhost/insurance/payment.php`. The page title is "LIFE INSURANCE". On the left, there is a sidebar with icons for Clients, Agents, Policy, Nominee, and Payments, and a welcome message "Welcome Farhan". The main content area is titled "PAYMENT INFORMATIONS" and contains a table with payment details. A green "Add Payment" button is located at the top right of the table area.

RECEIPT NO	CLIENT ID	MONTH	AMOUNT	DUUE	FINE	UPDATE
1511987179_452089622	1511986023	May	6500	0	0	Edit
1511987211_190085256	1511986023	June	6500	0	0	Edit
1511987230_390658416	1511986023	July	6000	0	500	Edit
1511987272_936407539	1511986129	January	3000	0	0	Edit
1511987294_157536829	1511986129	February	3000	0	0	Edit
1511987356_228689839	1511986256	September	13000	0	0	Edit
1511987375_208594029	1511986256	October	13000	0	0	Edit
1511987407_616696691	1511986409	November	3000	0	0	Edit
1511987433_196711163	1511986409	December	3000	0	0	Edit
1511987516_243604186	1511986641	March	6500	0	0	Edit
1511987592_140845877	1511987011	April	13000	0	0	Edit

# CLIENT LOGIN

The screenshot shows a web browser window with the following details:

- Tab Bar:** Software\_Design, paper\_3 - Google, classifier\_descript, score808 - Live S, Live:Mexico vs Po, Client's Status (active), (85) How to Fetch, localhost / localhost, +.
- Address Bar:** localhost/insurance/clientHome.php
- Header:** AEGON LIFE with a red exclamation mark icon.
- User Profile:** A placeholder user profile picture icon and the text "welcome, 1511986023".
- Section Title:** CLIENT'S STATUS
- Form Fields:**
  - User profile picture (placeholder)
  - CLIENT ID:** 1511986023
  - NAME:** John Green
  - GENDER:** Male
  - BIRTH DATE:** 11-05-1985
  - MARITAL STATUS:** Married
  - NID:** 0121567952

# ACCESSING DATABASE USING PHPMYADMIN

The screenshot shows the phpMyAdmin interface for a MySQL database named 'lims'. The 'agent' table is selected. The interface includes a sidebar with a tree view of databases and tables, and a main panel with tabs for Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and More.

**Browse Tab Content:**

- Message: "Showing rows 0 - 7 (8 total, Query took 0.0021 seconds.)"
- SQL Query: "SELECT \* FROM `agent`"
- Profiling Options: Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
- Table Headers: agent\_id, agent\_password, name, branch, phone
- Table Data:

	agent_id	agent_password	name	branch	phone
<input type="checkbox"/>	111	222	Sai Srinivas	Mirpur	01598745682
<input type="checkbox"/>	1610	1610	Kalyan	Dhanmondi	01698484654
<input type="checkbox"/>	222	333	Sultan	Mohakhali	01521302251
<input type="checkbox"/>	23421	666	Vishnu	Patna	0011332
<input type="checkbox"/>	3214	333	Farhan	Calicut	01521302251
<input type="checkbox"/>	555	666	Pranav	Delhi	00111
<input type="checkbox"/>	887	111	Rafiq Bond	Raipur	654654654645

- Table Actions: Check all, With selected: Edit, Copy, Delete, Export

# HOW TO RUN THE PROJECT IN YOUR PC

- INSTALL XAMPP SERVER IN YOUR PC
- [HTTPS://DRIVE.GOOGLE.COM/FILE/D/1QXUU8D3FAZRQKBYROCTLX6ZTKQPLYMFK/VIEW?USP=SHARE LINK](https://drive.google.com/file/d/1QXUU8D3FAZRQKBYROCTLX6ZTKQPLYMFK/view?usp=share_link) DOWNLOAD PROJECT FROM HERE.
- EXTRACT INSURANCE FOLDER AND CLONE INTO YOUR **APPLICATIONS/XAMPP/HTDOCS** FOLDER
- EDIT THE **LIMS/CONNECTION.PHP** FILE WITH YOUR DATABASE USERNAME AND PASSWORD
- GO TO [HTTP://LOCALHOST/PHPMYADMIN](http://localhost/phpmyadmin)
- CREATE A DATABASE NAMED **LIMS**
- IMPORT THE **LIMS.SQL** FILE PROVIDED IN **DATABASE BACKUP** FOLDER
- GO TO [HTTP://LOCALHOST](http://localhost)

# SUMMARY

- THIS IMPLEMENTATION MAKE SURE THAT AGENT CAN HAVE ACCESS TO ALMOST EVERY DATA OF HIS CLIENT.
- AGENTS CAN ALSO HAVE ACCESS TO OTHER AGENT'S BASIC DETAILS.
- CLIENT CAN HAVE ACCESS TO HIS DATA AND HIS NOMINEE'S DATA.
- DATABASE CAN BE CONTROLLED BY USING PHPMYADMIN ( WITHOUT USING MYSQL QURIES)

# REFERENCES

- [HTTPS://WWW.W3SCHOOLS.COM/PHP/](https://www.w3schools.com/php/)
- [HTTPS://WWW.ONLINEITTUTS.COM/FETCH-DATA-DATABASE-IN-PHP.HTML](https://www.onlineittuts.com/fetch-data-database-in-php.html)