



INDRAPRASTHA INSTITUTE *of*
INFORMATION TECHNOLOGY **DELHI**

PROJECT REPORT

DATABASE MANAGEMENT SYSTEM

TEAM NACHOS PRESENTS

INSURE-X

A HOLISTIC INSURANCE FIRM

IN ASSOCIATION WITH
DEPARTMENT OF COMPUTER SCIENCE, IIITD

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DECLARATION

We hereby declare that the project titled "INSURE-X : A HOLISTIC INSURANCE FIRM" is the result of the collective efforts of the entire team, under the guidance of Dr. Md. Shad Akhtar and Dr. Mukesh Mohania, our instructors. We also assure that the outcomes are a result of our own research and analysis conducted throughout the course of the project.

Team Nachos
(Group-20)

ACKNOWLEDGEMENT

First and foremost, we would like to express our sincere gratitude to both the instructors - Dr. Md. Shad Akhtar and Dr. Mukesh Mohania, for consistently guiding us through the project and giving us the right direction. Next, we would also like to thank the teaching assistants for helping us overcome various hurdles throughout the project.

Kudos to the entire team for cooperating throughout the project and showing an excellent team spirit. It would have been impossible without the continuous synergy of all!

Last but not the least, we would like to thank all those people, who spared time out of their schedule to help us at one point of time or the other, in conducting various studies and/or solving issues persistently. You all are of great value to this project!

Thank you all once again!

ABSTRACT

The agenda behind this project is to develop a robust insurance management system, as a web based application, which has a more user-friendly interface, and is easy to navigate for the end-users, as well as easy to manage for the administrators and officials.

To begin with the project, a proper design process has been followed to come up with the various-level stakeholders and issues that exist in the current insurance management systems. Throughout the course of the project, efforts have been put in the best of our efforts in resolving these issues, and provide a better experience to each and every stakeholder while they use the system.

ROLE DISTRIBUTION FOR THE PROJECT

- Pragyan Mehrotra : SQL Queries and Back-end
- Khushali Verma : SQL Queries and W-in-P Document
- Ayaan Kakkar : Web-based Application
- Ritik Khanna : Front-end + Back-end
- Aakash Kumar Sagar : Front-end for app

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WEEK 1

DECIDING THE PROJECT DOMAIN

Database Management Systems are deeply embedded into every real-world model - may it be a library at a college, or apps like Uber and Zomato, databases are the fundamentals of their systems. Without maintaining and managing databases, neither would Banks be able to function, nor would you be able to stream your favorite music or videos online. Among all of these and many more, it was important to choose a database that is integral to a large number of audience, and has a scope for improvement through this project.

For this purpose, apart from the research we did over the internet, we followed these design processes to come up with the best suitable domain -

CROWDSTORMING

Crowdstorming session involves the audience to critique and comment (or give feedback) over some product (both digital and hardware). User feedback is important at every stage, and conducting a crowdstorming session basically brings different kinds of personas together to discuss and debate over certain things that they may be perceiving differently. Different people, from varied backgrounds and age groups were considered at this stage and a few of the domains that we identified after the crowdstorming session were -

- Job/Internship Portals
- ERP (specific to IIITD)
- Warehouse Management
- Insurance Management
- Pharmacy Management
- Library Management
- Online Course Offering Management

NOISE ANALYSIS

NOISE Analysis is a way to measure certain aspects of a product or a scenario. NOISE here means Needs, Opportunities, Improvement, Strengths and Exceptions. This process gives a holistic overview of the situation - what is the requirements, what is it that can or cannot be done, what can be improved and what are its strengths. We carried out NOISE Analysis for all the listed domains, and the domain which had the most diverse audience coupled with a lot of upcoming needs and opportunities was -

INSURANCE MANAGEMENT SYSTEM

and named our system as

"INSURE-X"

PROBLEM STATEMENT & OBJECTIVE

The current insurance management system has various persistent issues as identified after user interviews. Various user-groups who are somewhere connected to the insurance system were either interviewed face to face or over a phone call, to get insights about the insurance management systems and how-about of their working scenarios. These are some issues as listed by them:

- To the customers, who actually are alien to the back-end of the system, and only interact with the front-end, do not find it an easy-to-use site, i.e. it is difficult for them to keep track of their own policies and profile, their payment history and dues.
- To the administrators and staff, who have to operate and manage the system, it seems difficult to handle such a huge database and it becomes a tedious everyday job for them.
- It is difficult to track the history of a user and his/her assets and acquaintances.
- Each time a separate staff is assigned to a customer, which disrupts the continuity of conversation and flow of process.

Objective of this project is to simplify the insurance-related procedures for the end-users, administrators, staff as well as other stakeholders and resolve the various issues that they encounter in their day-to-day processes.

IDENTIFYING THE STAKEHOLDERS

The insurance management system has its connection with various people at different levels, some who are authorized to modify or alter the database, others who can view a selected part of the database, and remaining who have access to an even smaller segment of the database. We identified the following two levels to categorize the various stakeholders -

- FULL CONTROL (Full viewing as well as editing rights)
- PARTIAL CONTROL (Visibility and Access to a segment of database)

LEVEL 1 STAKEHOLDERS : FULL CONTROL

ADMINISTRATORS

These are the people, who have the entire rights over the database, for example, the manager of each branch, etc. They can add or remove employees and agents, change profiles, view benefits, premiums, change or alter policy details etc.

SHAREHOLDERS

These are the people who have a share in this particular insurance firm. In this particular case, let's assume, that the five members of our team hold some equity over this firm, and hence have full control of the entire database and activities of the firm.

LEVEL 2 STAKEHOLDERS : PARTIAL CONTROL

AGENTS

These are the people through which customers get to the insurance firm, i.e. the agents bring the customers, and in-turn get monetary commission. They have rights to add or remove their customers or alter some segments of data for their customers.

STAFF

These are the employees of the firm, i.e. their day to day activities include keeping track of the payments made by users, update user accounts, provide customer care services and assist the customers on-site with other essential services.

INDIVIDUAL USERS

These are the customers, who have enrolled in some policies offered by the firm. They can login and view their profile, edit it, avail services etc. These are the end-users of the application and do not have access to other segments of the database, apart from their own profile.

ORGANISATIONS

These are companies or institutions like Banks, Travel agencies or Airlines, Hospitals and Property Dealers, with whom the firm has collaborated for a particular duration. These organisations "promote" or "sell" the policies of the firm to their customers.

WEEK 2

USE CASE SCENARIOS FOR STAKEHOLDERS

ADMINISTRATORS

- How many policies has the firm registered in 2019?
- How has the growth rate been for a branch from last year?
- Which collaboration has resulted in maximum customers enrolled under their name?
- Which agent has bought the maximum customers?
- How many people work in a particular branch of the firm?

SHAREHOLDERS

- How many branches does the firm have?
- How much revenue is being used in the salaries of employees?
- How many medical insurances have been registered in 2019?
- How many people claimed their insurance amount last year?
- Should the policy duration be decreased to increase users?

AGENTS

- I wish to add a customer under my ID
- How many customers have I enrolled?
- What is my commission factor?
- How much do I earn through this firm monthly?
- I wish to update my account details like phone number

STAFF

- Reviewing customer's history
- Add or remove a customer's database
- Update the coverage amount and other details for a customer
- Review agents account and manage their commissions
- Assist customers online

INDIVIDUAL USERS

- I want to pay my monthly premium for the policy
- I wish to update my account details like phone number
- How do I seek assistance for something online?
- I wish to withdraw my policy
- I wish to claim my policy amount

ORGANISATIONS

- How many customers has the firm got via my company?
- I wish to view and manage my account on the site
- I wish to add customers that come via the organisation
- I wish to extend collaboration with the firm
- How much revenue has my organisation made by this collaboration?

NOTE : THESE ARE THE TENTATIVE USE CASE SCENARIOS. THERE WILL BE MANY MORE USE CASES ADDED TO THESE, AND SOME MIGHT BE DELETED, WHILE WORKING THROUGH THE PROJECT.

BASIC ENTITIES AND RELATIONSHIPS

CLIENT DB

this database will contain entire details of the clients, like phone number, aadhar number etc. This is the complete list of database of clients, which includes individual customers as well as institutions who have enrolled for a policy at the firm. Hence this can be split into two.

POLICY DB

This has a detailed database of all the policies offered by the firm, along with their policy ID, description, duration etc. This does not have anything to concern with the customers, this is just a list of offered policies.

AGENT DB

This database has the complete data about every agent that brings customers to the firm, and what is the commission factor, how many customers has an agent enrolled etc.

STAFF DB

This is the database of employees of the firm and includes details like staff ID, their branch ID etc. This list can be split into various other tables on the basis of position - admin, service staff etc.

BRANCH DB

This contains the details of the branch of the firm like number of employees, registered policies, branch ID etc.

LOGIN DB

This contains the login details for every stakeholder, username, password, phone number and email ID.

INSURANCE DB

This is the master table for all insurance policies enrolled by clients and has details like duration, coverage amount, agent ID, staff ID, unique insurance ID etc. This is further split into 5 tables, one for each kind of policy.

COMPANY DB

This contains a list of all companies/organisations that have a collaboration with the firm, and includes details like registration number of company, number of enrolled customers, duration of collab etc.

WEEK 3

DEVELOPING THE SCHEMA

CLIENT DATABASE		
ATTRIBUTES	TYPE	CONSTRAINTS
client_name	varchar(30)	NOT NULL
client_ph	char(10)	NOT NULL UNIQUE
client_email	varchar(20)	NOT NULL UNIQUE
client_aadhar	varchar(12)	NOT NULL UNIQUE
client_PAN	varchar(10)	NOT NULL UNIQUE
client_ID	char(12)	NOT NULL UNIQUE
agent_ID	char(12)	
client_DOB	DATE	
client_age	TINYINT	
client_sex	char(1)	
client_type	char(1)	NOT NULL CHECK(client_type IN ('I', 'O'))
company_reg_no	varchar(20)	
branch_ID	char(10)	

Primary Key : client_ID

Foreign Keys : agent_ID, branch_ID,
company_reg_no

AGENT DATABASE		
ATTRIBUTES	TYPE	CONSTRAINTS
agent_name	varchar(30)	NOT NULL
agent_ph	char(10)	NOT NULL UNIQUE
agent_email	varchar(20)	NOT NULL UNIQUE
agent_aadhar	varchar(12)	NOT NULL UNIQUE
agent_ID	char(12)	NOT NULL UNIQUE
customers_enrolled	SMALLINT	
commission_factor	TINYINT	NOT NULL
benefit_availed	varchar(12)	

Primary Key : agent_ID

DEVELOPING THE SCHEMA

POLICY DATABASE		
ATTRIBUTES	TYPE	CONSTRAINTS
policy_key	char(6)	NOT NULL
ins_type	varchar(7)	NOT NULL CHECK(ins_type IN('Life', 'Home', 'Travel', 'Vehicle', 'Medical'))
min_coverage	MEDIUMINT	NOT NULL
premium	MEDIUMINT	
eligibility_cond	varchar(100)	NOT NULL
age_min	TINYINT	NOT NULL
age_max	TINYINT	NOT NULL
duration_min	TINYINT	NOT NULL
duration_max	TINYINT	NOT NULL
terms_conditions	varchar(100)	NOT NULL
policy_name	varchar(30)	NOT NULL

Primary Key : policy_key

STAFF DATABASE		
ATTRIBUTES	TYPE	CONSTRAINTS
employee_name	varchar(30)	NOT NULL
employee_ph	char(10)	NOT NULL UNIQUE
employee_email	varchar(20)	NOT NULL UNIQUE
employee_aadhar	varchar(12)	NOT NULL UNIQUE
employee_PAN	varchar(10)	NOT NULL UNIQUE
employee_ID	char(12)	NOT NULL UNIQUE
branch_ID	char(10)	NOT NULL
department	varchar(15)	
position	varchar(15)	
salary	FLOAT(15, 4)	NOT NULL

Primary Key : employee_ID

Foreign Key: branch_ID

DEVELOPING THE SCHEMA

LOGIN DATABASE

ATTRIBUTES	TYPE	CONSTRAINTS
phone	char(10)	NOT NULL UNIQUE
email	varchar(20)	NOT NULL UNIQUE
username	varchar(12)	NOT NULL UNIQUE
password	varchar(16)	NOT NULL UNIQUE

Primary Key : username

SHAREHOLDERS DATABASE

ATTRIBUTES	TYPE	CONSTRAINTS
share_name	varchar(20)	NOT NULL
equity_percentage	varchar(10)	NOT NULL
share_ID	char(6)	NOT NULL UNIQUE

Primary Key : share_ID

BRANCH DATABASE

ATTRIBUTES	TYPE	CONSTRAINTS
branch_name	varchar(30)	NOT NULL
branch_ph	char(10)	NOT NULL UNIQUE
branch_email	varchar(20)	NOT NULL UNIQUE
total_employees	MEDIUMINT	NOT NULL
policies_enrolled	MEDIUMINT	NOT NULL
branch_ID	char(10)	NOT NULL UNIQUE

Primary Key : branch_ID

DEVELOPING THE SCHEMA

INSURANCE DATABASE		
ATTRIBUTES	TYPE	CONSTRAINTS
client_name	varchar(30)	NOT NULL
ins_type	varchar(7)	NOT NULL
policy_key	char(6)	NOT NULL
coverage_amt	FLOAT(15,4)	NOT NULL
ppm	FLOAT(15,4)	NOT NULL
client_ID	char(12)	NOT NULL
agent_ID	char(12)	NOT NULL
duration	TINYINT	NOT NULL
start_date	DATE	NOT NULL
end_date	DATE	NOT NULL
premium	FLOAT(15,4)	NOT NULL
employee_ID	char(12)	NOT NULL
branch_ID	char(10)	NOT NULL
Unique_Ins_ID	char(12)	NOT NULL UNIQUE
dues	FLOAT(15,4)	

Primary Key : Unique_Ins_ID

Foreign Keys: client_ID, policy_key, agent_ID, employee_ID, branch_ID

TRAVEL INSURANCE DATABASE		
ATTRIBUTES	TYPE	CONSTRAINTS
Unique_Ins_ID	char(12)	NOT NULL UNIQUE
policy_key	char(6)	NOT NULL
travel_date	DATE	NOT NULL
travel_type	varchar(4)	NOT NULL CHECK(travel_type in ('Air', 'Rail', 'Road'))
travel_details	varchar(100)	NOT NULL UNIQUE

Primary Key : Unique_Ins_ID

Foreign Key : Unique_Ins_ID

DEVELOPING THE SCHEMA

VEHICLE INSURANCE DATABASE

ATTRIBUTES	TYPE	CONSTRAINTS
vehicle_ID	varchar(10)	NOT NULL
vehicle_type	varchar(10)	NOT NULL
policy_key	char(6)	NOT NULL
Unique_Ins_ID	char(12)	NOT NULL UNIQUE
RC_num	varchar(20)	NOT NULL UNIQUE
Path_to_RC	varchar(60)	NOT NULL UNIQUE

Primary Key : Unique_Ins_ID

Foreign Key : Unique_Ins_ID

LIFE INSURANCE DATABASE

ATTRIBUTES	TYPE	CONSTRAINTS
Unique_Ins_ID	char(12)	NOT NULL UNIQUE
policy_key	char(6)	NOT NULL
nominee_name1	varchar(20)	NOT NULL
nominee_name2	varchar(20)	NOT NULL
path_to_birth_certificate	varchar(60)	NOT NULL

Primary Key : Unique_Ins_ID

Foreign Key : Unique_Ins_ID

HOME INSURANCE DATABASE

ATTRIBUTES	TYPE	CONSTRAINTS
Unique_Ins_ID	char(12)	NOT NULL UNIQUE
policy_key	char(6)	NOT NULL
prop_location	varchar(40)	NOT NULL UNIQUE
path_to_prop_papers	varchar(60)	NOT NULL UNIQUE
prop_area	MEDIUMINT	NOT NULL
owners_names	varchar(40)	NOT NULL

Primary Key : Unique_Ins_ID

Foreign Key : Unique_Ins_ID

DEVELOPING THE SCHEMA

MEDICAL INSURANCE DATABASE

ATTRIBUTES	TYPE	CONSTRAINTS
Unique_Ins_ID	char(12)	NOT NULL UNIQUE
policy_key	char(6)	NOT NULL
medical_history	varchar(100)	NOT NULL
path_to_medical_bills	varchar(60)	NOT NULL UNIQUE

Primary Key : Unique_Ins_ID

Foreign Key : Unique_Ins_ID

COMPANY DATABASE

ATTRIBUTES	TYPE	CONSTRAINTS
company_name	varchar(30)	NOT NULL
company_reg_no	varchar(20)	NOT NULL UNIQUE
company_email	varchar(20)	NOT NULL UNIQUE
collab_type	varchar(12)	NOT NULL
collab_duration	TINYINT	NOT NULL
company_ph	char(10)	NOT NULL UNIQUE
enrolled_customers	MEDIUMINT	
offers	varchar(100)	
company_type	varchar(20)	NOT NULL
company_ID	char(12)	NOT NULL UNIQUE

Primary Key : company_ID

WEEK 4

POPULATING THE TABLES

Approximately 50 entries have been made to populate the tables as of now. The entries are completely arbitrary and have been made manually (.using the insert into <table> values() command) as well as through scripts.

Here are some screenshots, that display the tables individually.

Insurance DB

client_name	ins_type	policy_key	coverage_amt	ppm	client_ID	agent_ID	duration	start_date	end_date	premium	employee_ID	branch_ID	Unique_ins_ID	dues
Patricia Martinez	Life	UYTBXF	57459735.0000	10092.0000	145475832256	52029	5	2019-10-27	2024-10-27	13371.0000	505332642358	PQ0972UIOP	121710025703	16305.0000
Mary Deloon	Vehicle	OUITXZ	50770500.0000	19134.0000	203558096199	96085	5	2019-06-06	2024-06-06	14376.0000	682587154531	PQ0972UIOP	123704123020	15262.0000
Timothy Campbell	Life	UYTBXF	76051752.0000	16029.0000	197278079352	19974	5	2019-08-25	2024-08-25	17388.0000	498602865748	SAM871QHFA	13079507254	17005.0000
Mary Deloon	Home	YQONCD	13603715.0000	11254.0000	203558096199	19974	5	2019-08-09	2024-08-09	12404.0000	755392190839	SUD5500BCV	138515833433	15525.0000
Thomas Romero	Medical	PONNVU	60033876.0000	13968.0000	132985963247	96085	4	2019-03-20	2023-03-20	15698.0000	755392190839	PWH712JFUQ	141142384811	14663.0000
Patricia Martinez	Medical	PONNVU	93179168.0000	10063.0000	145475832256	4806	6	2019-06-04	2023-06-04	13529.0000	498602865748	PQ0972UIOP	140637653094	19310.0000
Eric Moses	Medical	PONNVU	92330080.0000	17305.0000	133192622129	8282	4	2019-09-18	2023-09-18	10715.0000	498602865748	SAM871QHFA	243498986235	15874.0000
Denise Brady	Life	AAHAQX	12504557.0000	16680.0000	158978350369	19974	6	2019-03-18	2025-03-18	10158.0000	755392190839	SAM871QHFA	25762168508	13095.0000
Scott Calhoun	Life	AAHAQX	13178820.0000	18695.0000	113589586882	8282	6	2019-03-14	2025-03-14	18754.0000	755392190839	AFU812LLAQ	30835842260	14470.0000
Anne Knapp	Medical	LMZZZX	15526176.0000	17873.0000	188515707926	80066	6	2019-09-07	2025-09-07	13288.0000	755392190839	SAM871QHFA	358040699742	13412.0000
Rebecca Johnson	Medical	PONNVU	13056380.0000	12911.0000	106172793989	19974	5	2019-04-02	2024-04-02	15524.0000	755392190839	PQ0972UIOP	355556551254	16034.0000
Alexa Wall	Life	UYTBXF	47736169.0000	18328.0000	120822328939	12921	4	2019-10-06	2023-10-06	18565.0000	505332642358	SUD5500BCV	384534941115	19056.0000
Eric Moses	Medical	PONNVU	57954160.0000	13696.0000	133192622129	12921	5	2019-01-05	2024-01-05	17101.0000	682587154531	PWH712JFUQ	408563629880	11904.0000
Denise Brady	Life	AAHAQX	33356224.0000	13216.0000	158978350369	8282	4	2019-01-02	2023-01-02	14382.0000	833916504243	PWH712JFUQ	436081350907	13759.0000
Mary Ortiz	Life	AAHAQX	28540764.0000	19435.0000	128145064770	52029	4	2019-03-27	2023-03-27	14454.0000	682587154531	AFU812LLAQ	438727465894	19920.0000
Patricia Martinez	Vehicle	OUITXZ	48163056.0000	11097.0000	145475832256	80066	6	2019-09-23	2023-09-23	18063.0000	505332642358	SAM871QHFA	445720697482	11192.0000
Anne Knapp	Vehicle	ZNBVSX	18667036.0000	10621.0000	188515707926	90560	6	2019-07-07	2024-07-07	15469.0000	755392190839	AFU812LLAQ	467408296378	11069.0000
Eric Moses	Medical	LMZZZX	22861844.0000	13425.0000	133192622129	80066	5	2019-03-19	2024-03-19	13445.0000	755392190839	SAM871QHFA	480553629880	13668.0000
Anne Knapp	Home	WTAGSD	92385728.0000	16341.0000	188515707926	90560	4	2019-10-24	2023-10-24	10856.0000	682587154531	AFU812LLAQ	485063081868	16076.0000
Patricia Martinez	Travel	POLASD	69881616.0000	15668.0000	145475832256	80066	4	2019-09-23	2023-09-23	17591.0000	505332642358	PWH712JFUQ	537826475781	12372.0000
Timothy Campbell	Life	AAHAQX	66980924.0000	16382.0000	197278079352	4806	4	2019-08-15	2023-08-15	18667.0000	498602865748	SUD5500BCV	551220705029	11407.0000
Eric Moses	Vehicle	ZNBVSX	63810216.0000	13702.0000	133192622129	19974	4	2019-08-15	2023-08-15	17324.0000	498602865748	SUD5500BCV	56588060169	16598.0000
Mary Ortiz	Medical	LMZZZX	60311180.0000	13525.0000	128145064770	8282	4	2019-01-11	2023-01-11	12948.0000	833916504243	SUD5500BCV	56877623266	15906.0000
Timothy Campbell	Life	UYTBXF	24078200.0000	14848.0000	197278079352	52029	5	2019-09-25	2024-09-25	13340.0000	755392190839	SUD5500BCV	593439972211	15368.0000
Alexa Wall	Home	YQONCD	80032112.0000	18173.0000	120822328939	52029	6	2019-07-06	2025-07-06	11036.0000	833916504243	SAM871QHFA	594661971590	11017.0000
Scott Calhoun	Travel	POLASD	39167000.0000	15605.0000	113589586882	96085	6	2019-05-15	2023-05-15	13976.0000	755392190839	SAM871QHFA	605762679481	12516.0000
Mary Deloon	Travel	UVSVFD	53592208.0000	12084.0000	203558096199	96085	6	2019-10-20	2025-10-20	89255.0000	505332642358	SUD5500BCV	606247550833	12755.0000
Patricia Martinez	Home	WTAGSD	70956080.0000	14206.0000	145475832256	96085	5	2019-05-28	2024-05-28	10607.0000	498602865748	PWH712JFUQ	60624956102	10507.0000
Alexa Wall	Home	WTAGSD	10197668.0000	18609.0000	120822328939	8282	4	2019-05-19	2023-05-19	18275.0000	682587154531	SUD5500BCV	61484677541	14650.0000
Timothy Campbell	Travel	UVSVFD	18244350.0000	12742.0000	197278079352	80066	4	2019-10-06	2023-10-06	12915.0000	498602865748	SUD5500BCV	634736195656	11313.0000
Denise Brady	Travel	POLASD	96421128.0000	18450.0000	158978350369	19974	4	2019-08-01	2023-08-01	10827.0000	833916504243	SAM871QHFA	64306253017	17741.0000
Patricia Martinez	Home	YQONCD	56914496.0000	13002.0000	145475832256	8282	4	2019-12-25	2023-12-25	14106.0000	833916504243	SAM871QHFA	660764036178	12044.0000
Thomas Romero	Vehicle	OUITXZ	55282588.0000	19529.0000	132985963247	90560	5	2019-01-16	2024-01-16	17302.0000	755392190839	SAM871QHFA	673474750203	13560.0000
Patricia Martinez	Medical	PONNVU	43051672.0000	19408.0000	145475832256	90560	5	2019-09-17	2024-09-17	16057.0000	682587154531	PWH712JFUQ	680629864014	13269.0000
Patricia Martinez	Vehicle	ZNBVSX	68133208.0000	19153.0000	145475832256	52029	4	2019-11-17	2023-11-17	11035.0000	498602865748	PWH712JFUQ	701715614338	17768.0000
Alexa Wall	Life	AAHAQX	50792928.0000	14627.0000	113589586882	12921	5	2019-06-04	2024-06-04	18546.0000	498602865748	PWH712JFUQ	72557002560	13274.0000
Anne Knapp	Life	UYTBXF	15260676.0000	14605.0000	188515707926	8282	4	2019-04-02	2023-04-02	18152.0000	833916504243	SAM871QHFA	724052060703	16269.0000
Scott Calhoun	Vehicle	ZNBVSX	38199584.0000	17262.0000	113589586882	90560	6	2019-08-27	2025-08-27	16999.0000	498602865748	PQ0972UIOP	763105443370	14916.0000
Eric Moses	Life	AAHAQX	69846432.0000	10700.0000	133192622129	19974	5	2019-07-01	2024-07-01	16929.0000	682587154531	SUD5500BCV	76523806485	11649.0000
Denise Brady	Home	WTAGSD	84352584.0000	14780.0000	158978350369	8282	4	2019-05-18	2023-05-18	16978.0000	755392190839	PQ0972UIOP	787954097344	13748.0000
Denise Brady	Vehicle	OUITXZ	40404096.0000	10738.0000	158978350369	52029	6	2019-09-10	2025-09-10	10590.0000	755392190839	PQ0972UIOP	808020687979	13132.0000
Scott Calhoun	Home	WTAGSD	45595756.0000	17659.0000	113589586882	80066	6	2019-02-15	2023-02-15	15908.0000	498602865748	SUD5500BCV	803086000452	12426.0000
Eric Moses	Home	YQONCD	28064592.0000	14308.0000	133192622129	4806	4	2019-02-05	2023-02-05	11488.0000	833916504243	SUD5500BCV	811045444370	14858.0000
Thomas Romero	Home	YQONCD	32660600.0000	15926.0000	132985963247	4806	4	2019-06-02	2023-06-02	15454.0000	505332642358	SAM871QHFA	850827468795	17916.0000
Patricia Martinez	Life	AAHAQX	62149408.0000	12262.0000	145475832256	19974	4	2019-04-23	2023-04-23	12632.0000	755392190839	PQ0972UIOP	87870259737	12179.0000
Anne Knapp	Medical	PONNVU	72019504.0000	12766.0000	188515707926	90560	5	2019-05-11	2023-05-11	10240.0000	498602865748	AFU812LLAQ	885773747189	12513.0000
Patricia Martinez	Vehicle	OUITXZ	64330076.0000	15019.0000	145475832256	96085	5	2019-05-18	2024-05-18	19329.0000	682587154531	PQ0972UIOP	924084022789	19568.0000
Mary Ortiz	Travel	POLASD	90808592.0000	10557.0000	128145064770	52029	5	2019-01-17	2024-01-17	15537.0000	682587154531	PWH712JFUQ	931710147605	18027.0000
Denise Brady	Vehicle	ZNBVSX	94765824.0000	13932.0000	158978350369	90560	5	2019-08-11	2024-08-11	18231.0000	505332642358	PWH712JFUQ	937142322971	13685.0000
Timothy Campbell	Home	WTAGSD	51893460.0000	12521.0000	197278079352	19974	4	2019-12-10	2023-12-10	16310.0000	498602865748	AFU812LLAQ	955113525430	11599.0000
Rebecca Johnson	Life	AAHAQX	23775070.0000	13062.0000	106172793989	8282	5	2019-05-08	2024-05-08	18319.0000	498602865748	PWH712JFUQ	981736022116	13734.0000
Rebecca Johnson	Medical	PONNVU	35442280.0000	11036.0000	106172793989	19974	4	2019-01-20	2023-01-20	13170.0000	682587154531	SAM871QHFA	98293517087	12910.0000
Patricia Martinez	Medical	PONNVU	61663692.0000	16623.0000	145475832256	80066	6	2019-03-26	2025-03-26	16428.0000	755392190839	SAM871QHFA	993027147006	17208.0000

Staff DB

employee_name	employee_ph	employee_email	employee_aadhar	employee_PAN	employee_ID	branch_ID	department	position	salary
Lisa Daniel	8995929266	LisaDaniel75@gmail.com	775873888284	8186534733	161118524396	SUD5500BCV	Sales	Manager	1233781.0000
Lisa Rice	9078568318	LisaRice16@gmail.com	437789016356	6394069952	382643324755	SAM871QHFA	Finance	Manager	4633422.0000
Kevin Schneider	8716934622	KevinSchneider78@gmail.com	315140877120	4196622371	498602865748	SUD5500BCV	Sales	Employee	584611.0000
Nicholas Daugherty	8092654081	NicholasDaugherty99@gmail.com	283167234638	7219729026	505332642358	AFU812LLAQ	IT	Manager	7233402.0000
Mary Wright	9447559542	MaryWright93@gmail.com	110462383023	6642034529	526086311423	SUD5500BCV	Sales	Manager	7554218.0000
Ronald White	8898269402	RonaldWhite68@gmail.com	455054248032	7846796352	552088282904	SUD5500BCV	IT	Manager	1728217.0000
Martha Fields	9567578901	MarthaFields10@gmail.com	685199755971	8087803538	677064941052	PQ0972UIOP	Sales	Manager	1835235.0000
Earl Baker	8723129465	EarlBaker79@gmail.com	881734287956	5592567253	682587154531	PWH712JFUQ	Finance	Manager	1559008.0000
Anthony Myers	9619821766	AnthonyMyers21@gmail.com	986349367294	3753278609	727958923847	SAM871QHFA	Sales	Employee	2689600.0000
Sharon Ibarra	9771914358	SharonIbarra48@gmail.com	757810621085	3493805141	738690460121	AFU812LLAQ	Finance	Manager	1304377.0000
Michelle Hess	8330442911	MichelleHess10@gmail.com	470536451505	9096241251	75539190839	PWH712JFUQ	Finance	Manager	4285656.0000
Miss Anna Anderson	9257071091	MissAnnaAnderson01@gmail.com	983458418746	1557991791	797769716744	PWH712JFUQ	Sales	Employee	676468.0000
Mr. Ronald Alexander	8524254707	Mr.RonaldAlexander64@gmail.com	295404119922	8755777757	833916858273	SAM871QHFA	IT	Employee	3246531.0000
Breanna Williams	9815494735	BreannaWilliams75@gmail.com	530335589186	99489192557	838998458427	SUD5500BCV	IT	Employee	969468.0000
Beverly Kaufman	9246063996	BeverlyKaufman27@gmail.com	562876393827	871225851	916128989684	AFU812LLAQ	Sales	Manager	7496338.0000
Kimberly Zavala	8918450273	KimberlyZavala37@gmail.com	639110168476	3798599533	944999049664	PQ0972UIOP	Finance	Employee	150534.0000

E-R MODEL

