InsuranceLogical

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Default Layout

Entity .	Entity Agent		
ldx	Name	Data Type	
* Pk	CompanyCode	INT	
	AgentFirstName	VARCHAR	
	AgentLastName	VARCHAR	
* Pk	AgentID	INT	
	AgentMiddleInitial	VARCHAR	
	AgentPhoneNumber	INT	
	AgentEmailAddress	VARCHAR	
Indexes			
Туре	Name	On	
Pk	pk_Agent	AgentID, CompanyCode	
Unq	unq_AgentID	AgentID	
Relationships			
Туре	Name	On	
	BelongsTo (CompanyCode) ref Company (CompanyCode)		

Entity	Entity Claims		
ldx	Name	Data Type	
Unq	PolicyNum	INT	
	ClaimDate	DATE	
	ClaimAmt	INT	
	ClaimState	VARCHAR	
	ClaimCity	VARCHAR	
	ClaimZip	VARCHAR	
	ClaimAddress1	VARCHAR	
	ClaimAddress2	VARCHAR	
	ClaimStatus	VARCHAR	
	ClaimSeverity	VARCHAR	
	Witness	BOOLEAN	
	Fault	VARCHAR	
	Description	VARCHAR	
	Fraud	BOOLEAN	
	AuthoritiesContacted	BOOLEAN	
	PoliceReport	BOOLEAN	
Unq	CustSSN	VARCHAR	
Indexes			
Туре	Name	On	
Unq	pk_PolicyNum	CustSSN, PolicyNum	
Unq	pk_PolicyNum_001	CustSSN, PolicyNum	

Entity	Entity Company		
ldx	Name	Data Type	
* Pk	CompanyCode	INT	
	CompanyName	VARCHAR	
	CompanyRegion	VARCHAR	
	CompanyState	VARCHAR	

Entity	Entity Company	
	CompanyCity	VARCHAR
	CompanyZip	INT
	Phone_Number	INT
	EmailAddress	VARCHAR
Indexes	3	
Type	Name	On

CompanyCode

Pk

pk_Company

isCampaign (campaign_ID) ref Marketing (CampaignId)

Common Moukating Tales in in		
CompanyMarketing relevision		
Name	Data Type	
CompnayCode	INT	
budget	INT	
campaign_ID	INT	
Indexes		
Name	On	
pk_MarketingTelevision	campaign_ID, CompnayCode	
unq_campaign_ID	campaign_ID	
Relationships		
Name	On	
hasTvMarketing (CompnayCode) ref Company (CompanyCode)	ode)	
	CompnayCode budget campaign_ID Name pk_MarketingTelevision unq_campaign_ID nships Name	

Entity	Customer	
ldx	Name	Data Type
	CustLastName	VARCHAR
	CustFirstName	VARCHAR
	CustMiddleInitial	INT
	CustDOB	DATE
	MartialStatus	VARCHAR
	Age	INT
	Gender	INT
	EducationLvl	VARCHAR
	Occupation	VARCHAR
* Pk	SSN	VARCHAR
	CreditScore	INT
	Income	INT
	Phone_Number	VARCHAR
	EmailAddress	VARCHAR
Indexe	s	
Туре	Name	On
Pk	pk_Customer	SSN

Entity CustomerAcct		
ldx	Name	Data Type
* Pk	CustSSN	VARCHAR
Unq	AcctName	VARCHAR
	StartDate	DATE
* Pk	CompanyCode	INT

Entity CustomerAcct		
	numPolicies	INT
	numClaims	INT
	OutstandingDeductibleAmount	INT
Indexes		
Type	Name	On
Pk	pk	CustSSN, CompanyCode
Unq	unq_CustomerAcct	AcctName
Relationships		
Type	Name	On
	hasAccount (CustSSN) ref Customer (SSN)	
	belongsTO (CompanyCode) ref Company (CompanyCode)	

Entity CustomerAddress		
ldx	Name	Data Type
	State	VARCHAR
	City	VARCHAR
	Region	VARCHAR
	ZipCode	INT
	Address1	VARCHAR
	Address2	VARCHAR
* Pk	CustSSN	VARCHAR
Indexes		
Type	Name	On
Pk	pk	CustSSN
Relationships		
Туре	Name	On
	hasAddress (CustSSN) ref Customer (SSN)	

Entity CustomerBilling		
ldx	Name	Data Type
* Pk	Cust_SSN	VARCHAR
	BillingAddr1	VARCHAR
	BillingAddr2	VARCHAR
	BillingCity	VARCHAR
	BillingState	VARCHAR
	BillingZip	VARCHAR
	Outstanding_Flag	BOOLEAN
	PaymentMethod	VARCHAR
Indexes		
Туре	Name	On
Pk	pk	Cust_SSN
Relationships		
Туре	Name	On
	fk_customerbilling (Cust_SSN) ref CustomerAcct (CustSSN)

Entity CustomerRelation		
ldx	Name	Data Type
* Pk	RelatedSSN	VARCHAR

Entity CustomerRelation		
* Pk	DepndentSSN	VARCHAR
	RelationtoCust	VARCHAR
Indexes		
Туре	Name	On
Pk	pk	RelatedSSN, DepndentSSN
Relatio	nships	
Type	Name	On
	hasDependent (RelatedSSN) ref Customer (SSN)	
	isDependent (DepndentSSN) ref Customer (SSN)	

Entity DepndentAcct		
ldx	Name	Data Type
* Pk	Dependent_SSN	VARCHAR
* Pk	Related_SSN	VARCHAR
Indexes		
Туре	Name	On
Pk	pk	Dependent_SSN, Related_SSN
Relationships		
Туре	Name	On
	RelatedAccount (Dependent_SSN) ref CustomerAcc	ct (CustSSN)

Entity	Entity FeedBack		
ldx	Name	Data Type	
* Pk	Ticket_ID	INT	
* Pk	CustSSN	VARCHAR	
	IssueDate	DATE	
	IssueType	VARCHAR	
	Description	VARCHAR	
	ResolutionStatus	CHAR(1)	
* Pk	Agent_ID	INT	
Indexes	3		
Туре	Name	On	
Pk	pk_FeedBack	Ticket_ID, CustSSN, Agent_ID	
Relation	nships		
Туре	Name	On	
	hasTicket (CustSSN) ref Customer (SSN)		
	Involved_in_Ticket (Agent_ID) ref Agent (AgentID)		

Entity	Entity HealthClaim		
ldx	Name	Data Type	
* Pk	CustSSN	VARCHAR	
* Pk	PolicyNumClaimed	INT	
	Injury	BOOLEAN	
Indexes			
Туре	Name	On	
Pk	pk	CustSSN, PolicyNumClaimed	
Relationships			
Туре	Name	On	

Entity HealthClaim

beingClaimed (CustSSN, PolicyNumClaimed) ref HealthPolicy (CustSSN, PolicyNumber) madeClaim (CustSSN, PolicyNumClaimed) ref Claims (CustSSN, PolicyNum)

Entity	Entity HealthInfo		
ldx	Name	Data Type	
	Height_Inches	INT	
	Weight_Pounds	INT	
	BMI	DECIMAL	
	NumChildren	INT	
	Smoker	VARCHAR	
* Pk	CustSSN	VARCHAR	
Indexe	3		
Type	Name	On	
Pk	pk	CustSSN	
Relationships			
Type	Name	On	
	hasHealth (CustSSN) ref Customer (SSN)		

Entity HealthPolicy		
ldx	Name	Data Type
* Pk	CustSSN	VARCHAR
* Pk	PolicyNumber	INT
* Pk	Agent_Sold	INT
Indexes	3	
Type	Name	On
Pk	pk_HealthPolicy	CustSSN, PolicyNumber, Agent_Sold
Relatio	nships	
Type	Name	On
	hasHealthPolicy (CustSSN) ref Customer (SSN)	
	SoldPolicy (Agent_Sold) ref Agent (AgentID)	
	isPolicy (PolicyNumber) ref Policy (PolicyNum)	

Entity	Entity HealthTrends		
ldx	Name	Data Type	
	Increase_Hospitalizations	BOOLEAN	
	Decreased_Hospitalizations	BOOLEAN	
	State	VARCHAR	
	LifeExpectancy	INT	
	IncreasedHealthCareCost	BOOLEAN	
	DecreasedHealthcareCost	BOOLEAN	
	PoorEconomicConditions	BOOLEAN	
	GoodEconomicConditions	BOOLEAN	
	IncreasedReportedSickeness	BOOLEAN	
	DecreasedReportedSickness	BOOLEAN	

Entity Invoice		
ldx	Name	Data Type
* Pk	InvoiceNumber	INT

Entity Invoice		
* Pk	Cust_SSN	VARCHAR
	Status	VARCHAR
* Pk	CompanyCode	INT
Indexes		
Type	Name	On
Pk	pk_Invoice	InvoiceNumber, Cust_SSN, CompanyCode
Unq	unq_InvoiceNumber	InvoiceNumber
Relation	nships	
Type	Name	On
	fk_invoice_customerbilling (Cust_SSN) ref CustomerBilling (Cust_SSN)	
	sentInvoice (CompanyCode) ref Company (CompanyCode)	

Entity I	Entity InvoiceDetail		
ldx	Name	Data Type	
* Pk	Invoice_ID	INT	
	Policy_Payment	BOOLEAN	
	Claim_Payment	BOOLEAN	
	PaidDate	DATE	
	DueDate	DATE	
	GivenDate	DATE	
	Amount	INT	
Indexes			
Туре	Name	On	
Pk	pk	Invoice_ID	
Relationships			
Туре	Name	On	
	hasDetail (Invoice_ID) ref Invoice (InvoiceNumber)		

Entity Marketing		
ldx	Name	Data Type
	StartDate	DATE
	EndDate	DATE
	TargetAudience	VARCHAR
Unq	CampaignId	INT
	EngagementRate	INT
Indexe	3	
Туре	Name	On
Unq	pk_CampaignId	CampaignId
Unq	pk_CampaignId_001	CampaignId

Entity	Entity MedicalHistory		
ldx	Name	Data Type	
* Pk	CustSSN	VARCHAR	
	Condition	VARCHAR	
	DiagnosisDate	DATE	
	TreatmentStatus	VARCHAR	
* Pk	provider_ID	INT	
Indexes	Indexes		

Entity	Entity MedicalHistory		
Туре	Name	On	
Pk	pk	CustSSN, provider_ID	
Relationships			
Type	Name	On	
	hasHistory (CustSSN) ref HealthInfo (CustSSN)		
	PrevInsured (provider_ID) ref Company (CompanyCode)		

Entity	Entity OfferedPolicies		
ldx	Name	Data Type	
	PolicyType	VARCHAR	
	EffectiveDate	DATE	
	ExpiredDate	DATE	
	Premium	INT	
	Deductible	INT	
	PolicyLimit	INT	
	Region	VARCHAR	
	DependentsAllowed	BOOLEAN	
* Pk	PolicyNum	INT	
Indexes			
Туре	Name	On	
Pk	pk_OfferedPolicies	PolicyNum	

Entity OfferedPoliciesHealth		
ldx	Name	Data Type
* Pk	CompanyCode	INT
	AgeGroup	VARCHAR
	Smoker	BOOLEAN
* Pk	PolicyNum	INT
Indexes		
Туре	Name	On
Pk	pk_0	CompanyCode, PolicyNum
Relationships		
Туре	Name	On
	fk_offeredpoliciesvehicle_0 (CompanyCode) ref Company (CompanyCode)	
	isOffered (PolicyNum) ref OfferedPolicies (PolicyNum)	

Entity	Entity OfferedPoliciesVehicle		
ldx	Name	Data Type	
* Pk	CompanyCode	INT	
	Vehicles_Considered	INT	
	Age_Group	VARCHAR	
	CarsAllowed	BOOLEAN	
	MotorcyclesAllowed	BOOLEAN	
	TrucksAllowed	BOOLEAN	
	Lessthan4WheelsAllowed	BOOLEAN	
	Morethan4WheelsAllowed	BOOLEAN	
* Pk	PolicyNum	INT	
Indexe	3		

Entity OfferedPoliciesVehicle		
Туре	Name	On
Pk	pk	CompanyCode, PolicyNum
Relationships		
Туре	Name	On
	fk_offeredpoliciesvehicle (CompanyCode) ref Company (CompanyCode)	
	isOffered (PolicyNum) ref OfferedPolicies (PolicyNum)	

Entity	Entity Policy		
ldx	Name	Data Type	
	Region	VARCHAR	
	PurchaseDate	DATE	
	EffectiveDate	DATE	
	ExpiredDate	DATE	
	Deductable	INT	
	Premium	INT	
	PolicyLimit	INT	
	PolicyType	VARCHAR	
* Pk	PolicyNum	INT	
Indexes			
Type	Name	On	
Pk	pk_Policy	PolicyNum	

Entity	Entity Policy_Company_MarketingEmail		
ldx	Name	Data Type	
* Pk	CompanyCode	INT	
	PoliciesAdvertised	VARCHAR	
* Pk	CampaignId	INT	
Indexes			
Туре	Name	On	
Pk	pk_Policy_Company_MarketingEmail	CampaignId, CompanyCode	
Unq	unq_CampaignId	CampaignId	
Relationships			
Туре	Name	On	
	hasEmailMarketing (CompanyCode) ref Company (CompanyCode)		
	isCampaign (CampaignId) ref Marketing (CampaignId)		

Entity PotentialCustomer		
ldx	Name	Data Type
* Pk	CampaignId	INT
	PotentialFirstName	VARCHAR
	PotentialLastName	VARCHAR
	PotentialMiddleInitial	VARCHAR
	PotentialAddress1	VARCHAR
	PotentialAddress2	VARCHAR
	PotentialCity	VARCHAR
	PotentialState	VARCHAR
	PotentialZip	VARCHAR
	PotentialPhoneNum	INT

Entity PotentialCustomer		
	PotentialEmail	VARCHAR
Indexes		
Type	Name	On
Pk	pk	CampaignId
Relationships		
Type	Name	On
	belongsToTVMarketing(CampaignId)ref CompanyMarketingTelevision(campaign_ID)	
	belongsToEmailMarketing (CampaignId) ref Policy_Company_MarketingEmail (CampaignId)	

ldx	Name	Data Type
* Pk	CustSSN	VARCHAR
* Pk	Vehicle_ID	INT
* Pk	PolicyNum	INT
	Injury	BOOLEAN
	NumCarsInvolved	INT
	IncidientType	VARCHAR
	Area_Affected	VARCHAR
Indexes		
Туре	Name	On
	idx_VehicleClaim	CustSSN, Vehicle_ID, PolicyNum
Pk	pk	CustSSN, Vehicle_ID, PolicyNum
Relationships		
Туре	Name	On
	madeClaim (CustSSN, Vehicle_ID, PolicyNum) ref VehicleP	olicy (CustSSN, Vehicle_ID, PolicyNumber)
	hasClaimed (CustSSN, PolicyNum) ref Claims (CustSSN, PolicyNum)	

Entity	VehicleInfo	
ldx	Name	Data Type
	VehicleCompany	VARCHAR
	VehiclePrice	INT
	VehicleCategory	VARCHAR
	VehicleYear	INT
	PastNumClaims	INT
	VehicleModel	VARCHAR
	YearsExperience	INT
	NumTickets	INT
	NumPastAccidents	INT
	VehicleDamageRating	INT
* Pk	CustSSN	VARCHAR
* Pk	VehicleID	INT
Indexe	s	
Type	Name	On
Pk	pk_VehicleInfo	VehicleID, CustSSN
Unq	unq_VehicleID	CustSSN, VehicleID
Unq	unq_VehicleID_001	VehicleID
Unq	unq_CustSSN	CustSSN
Unq	unq_CustSSN_001	CustSSN

Entity VehicleInfo Relationships On Type Name hasVehicle (CustSSN) ref Customer (SSN) Entity VehiclePolicy Name ldx Data Type * Pk CustSSN VARCHAR * Pk Vehicle_ID INT * Pk PolicyNumber INT * Pk Agent_Sold INT Indexes On Type Name Pk pk_VehiclePolicy PolicyNumber, CustSSN, Vehicle_ID, Agent_Sold Relationships On Type Name

Entity VehicleTrends			
ldx	Name	Data Type	
	VehicleCrimeIncrease	BOOLEAN	
	VehicleCrimeDecrease	BOOLEAN	
	PoorClimate	BOOLEAN	
	IncreaseRateofAccident	BOOLEAN	
	DecreaseRateofAccident	BOOLEAN	
	PoorEconConditions	BOOLEAN	
	GoodEconConditions	BOOLEAN	
	State	BOOLEAN	

hasPolicy (CustSSN, Vehicle_ID) ref VehicleInfo (CustSSN, VehicleID)

SoldPolicy (Agent_Sold) ref Agent (AgentID) isPolicy (PolicyNumber) ref Policy (PolicyNum)