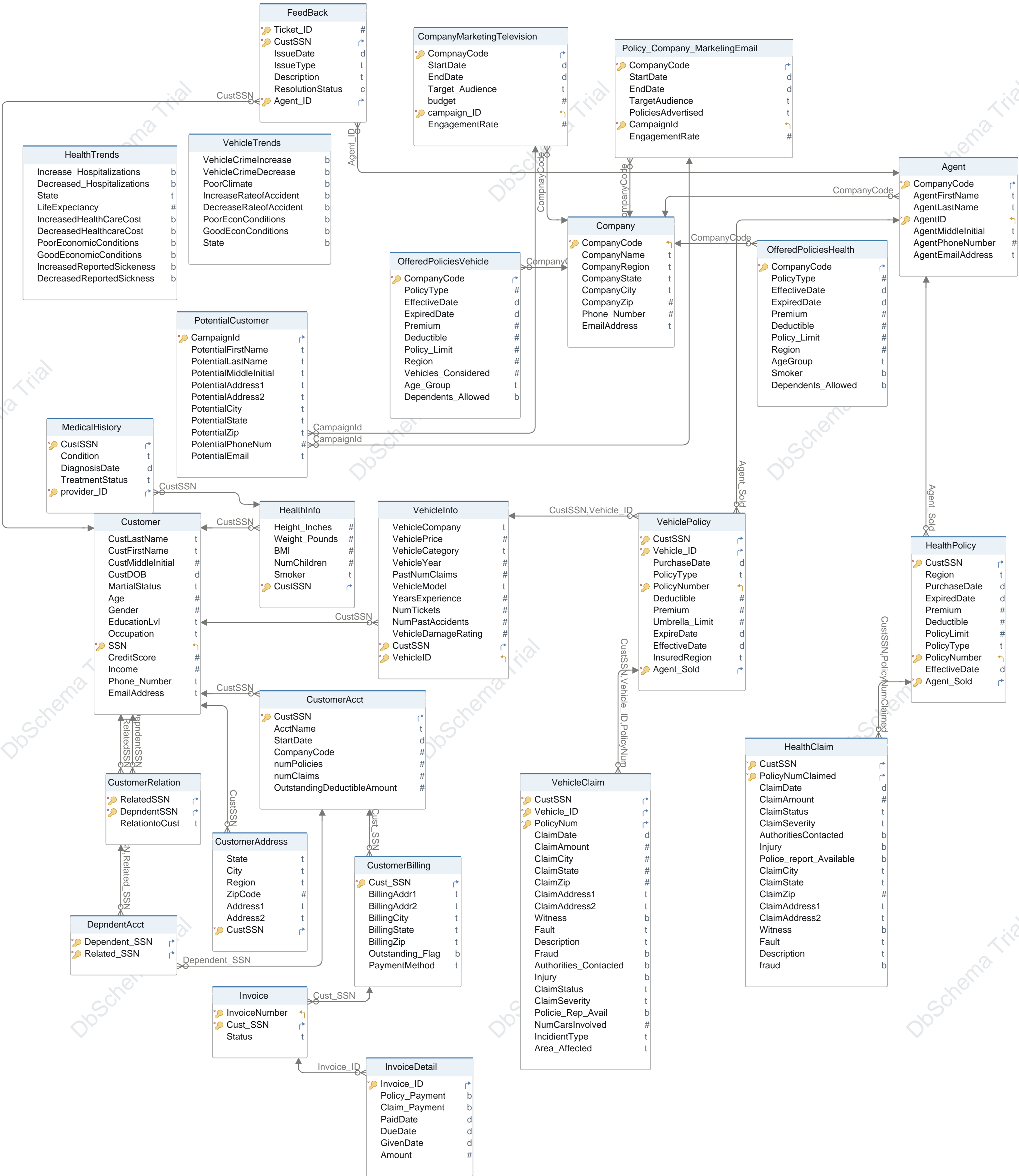


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Default Layout

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

Entity Company		
Idx	Name	Data Type
* Pk	CompanyCode	INT
	CompanyName	VARCHAR
	CompanyRegion	VARCHAR
	CompanyState	VARCHAR
	CompanyCity	VARCHAR
	CompanyZip	INT
	Phone_Number	INT
	EmailAddress	VARCHAR
Indexes		
Type	Name	On
Pk	pk_Company	CompanyCode

Entity CompanyMarketingTelevision		
Idx	Name	Data Type
* Pk	CompnayCode	INT
	StartDate	DATE
	EndDate	DATE
	Target_Audience	VARCHAR
	budget	INT
* Pk	campaign_ID	INT
	EngagementRate	INT
Indexes		
Type	Name	On
Pk	pk_MarketingTelevision	campaign_ID, CompnayCode
Unq	uniq_campaign_ID	campaign_ID
Relationships		
Type	Name	On
	hasTvMarketing (CompnayCode) ref Company (CompanyCode)	

Entity Customer

Idx	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

Indexes

Type	Name	On
Pk	pk_Customer	SSN

Entity CustomerAcct

Idx	Name	Data Type
* Pk	CustSSN	VARCHAR
	AcctName	VARCHAR
	StartDate	DATE
	CompanyCode	INT
	numPolicies	INT
	numClaims	INT
	OutstandingDeductibleAmount	INT

Indexes

Type	Name	On
Pk	pk	CustSSN

Relationships

Type	Name	On
	hasAccount (CustSSN) ref Customer (SSN)	

Entity CustomerAddress

Idx	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

Entity CustomerAddress

Type	Name	On
------	------	----

	hasAddress (CustSSN) ref Customer (SSN)	
--	---	--

Entity CustomerBilling

Idx	Name	Data Type
-----	------	-----------

* Pk	Cust_SSN	VARCHAR
	BillingAddr1	VARCHAR
	BillingAddr2	VARCHAR
	BillingCity	VARCHAR
	BillingState	VARCHAR
	BillingZip	VARCHAR
	Outstanding_Flag	BOOLEAN
	PaymentMethod	VARCHAR

Indexes

Type	Name	On
------	------	----

Pk	pk	Cust_SSN
----	----	----------

Relationships

Type	Name	On
------	------	----

	fk_customerbilling (Cust_SSN) ref CustomerAcct (CustSSN)	
--	--	--

Entity CustomerRelation

Idx	Name	Data Type
-----	------	-----------

* Pk	RelatedSSN	VARCHAR
* Pk	DepndentSSN	VARCHAR
	RelationtoCust	VARCHAR

Indexes

Type	Name	On
------	------	----

Pk	pk	RelatedSSN, DepndentSSN
----	----	-------------------------

Relationships

Type	Name	On
------	------	----

	hasDependent (RelatedSSN) ref Customer (SSN)	
--	--	--

	isDependent (DepndentSSN) ref Customer (SSN)	
--	--	--

Entity DepndentAcct

Idx	Name	Data Type
-----	------	-----------

* Pk	Dependent_SSN	VARCHAR
* Pk	Related_SSN	VARCHAR

Indexes

Type	Name	On
------	------	----

Pk	pk	Dependent_SSN, Related_SSN
----	----	----------------------------

Relationships

Type	Name	On
------	------	----

	fk_relatedacct (Dependent_SSN, Related_SSN) ref CustomerRelation (DepndentSSN, RelatedSSN)	
--	--	--

	RelatedAccount (Dependent_SSN) ref CustomerAcct (CustSSN)	
--	---	--

Entity FeedBack

Idx	Name	Data Type
-----	------	-----------

* Pk	Ticket_ID	INT
------	-----------	-----

Entity FeedBack

* Pk	CustSSN	VARCHAR
	IssueDate	DATE
	IssueType	VARCHAR
	Description	VARCHAR
	ResolutionStatus	CHAR(1)
* Pk	Agent_ID	INT

Indexes

Type	Name	On
Pk	pk_FeedBack	Ticket_ID, CustSSN, Agent_ID

Relationships

Type	Name	On
	hasTicket (CustSSN) ref Customer (SSN)	
	Involved_in_Ticket (Agent_ID) ref Agent (AgentID)	

Entity HealthClaim

Idx	Name	Data Type
* Pk	CustSSN	INT
* Pk	PolicyNumClaimed	INT
	ClaimDate	DATETIME
	ClaimAmount	INT
	ClaimStatus	VARCHAR
	ClaimSeverity	VARCHAR
	AuthoritiesContacted	BOOLEAN
	Injury	BOOLEAN
	Police_report_Available	BOOLEAN
	ClaimCity	VARCHAR
	ClaimState	VARCHAR
	ClaimZip	INT
	ClaimAddress1	VARCHAR
	ClaimAddress2	VARCHAR
	Witness	BOOLEAN
	Fault	VARCHAR
	Description	VARCHAR
	fraud	BOOLEAN

Indexes

Type	Name	On
Pk	pk	CustSSN, PolicyNumClaimed

Relationships

Type	Name	On
	beingClaimed (CustSSN, PolicyNumClaimed) ref HealthPolicy (CustSSN, PolicyNumber)	

Entity HealthInfo

Idx	Name	Data Type
	Height_Inches	INT
	Weight_Pounds	INT
	BMI	DECIMAL
	NumChildren	INT
	Smoker	VARCHAR

Entity HealthInfo

* Pk	CustSSN	VARCHAR
------	---------	---------

Indexes

Type	Name	On
------	------	----

Pk	pk	CustSSN
----	----	---------

Relationships

Type	Name	On
------	------	----

	hasHealth (CustSSN) ref Customer (SSN)	
--	--	--

Entity HealthPolicy

Idx	Name	Data Type
-----	------	-----------

* Pk	CustSSN	VARCHAR
------	---------	---------

	Region	VARCHAR
--	--------	---------

	PurchaseDate	DATE
--	--------------	------

	ExpiredDate	DATE
--	-------------	------

	Premium	INT
--	---------	-----

	Deductible	INT
--	------------	-----

	PolicyLimit	INT
--	-------------	-----

	PolicyType	VARCHAR
--	------------	---------

* Pk	PolicyNumber	INT
------	--------------	-----

	EffectiveDate	DATE
--	---------------	------

* Pk	Agent_Sold	INT
------	------------	-----

Indexes

Type	Name	On
------	------	----

Pk	pk_HealthPolicy	CustSSN, PolicyNumber, Agent_Sold
----	-----------------	-----------------------------------

Relationships

Type	Name	On
------	------	----

	hasHealthPolicy (CustSSN) ref Customer (SSN)	
--	--	--

	SoldPolicy (Agent_Sold) ref Agent (AgentID)	
--	---	--

Entity HealthTrends

Idx	Name	Data Type
-----	------	-----------

	Increase_Hospitalizations	BOOLEAN
--	---------------------------	---------

	Decreased_Hospitalizations	BOOLEAN
--	----------------------------	---------

	State	VARCHAR
--	-------	---------

	LifeExpectancy	INT
--	----------------	-----

	IncreasedHealthCareCost	BOOLEAN
--	-------------------------	---------

	DecreasedHealthcareCost	BOOLEAN
--	-------------------------	---------

	PoorEconomicConditions	BOOLEAN
--	------------------------	---------

	GoodEconomicConditions	BOOLEAN
--	------------------------	---------

	IncreasedReportedSickness	BOOLEAN
--	---------------------------	---------

	DecreasedReportedSickness	BOOLEAN
--	---------------------------	---------

Entity Invoice

Idx	Name	Data Type
-----	------	-----------

* Pk	InvoiceNumber	INT
------	---------------	-----

* Pk	Cust_SSN	VARCHAR
------	----------	---------

	Status	VARCHAR
--	--------	---------

Indexes

Entity Invoice		
Type	Name	On
Pk	pk_Invoice	InvoiceNumber, Cust_SSN
Unq	unq_InvoiceNumber	InvoiceNumber
Relationships		
Type	Name	On
	fk_invoice_customerbilling (Cust_SSN) ref CustomerBilling (Cust_SSN)	

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

Entity MedicalHistory		
Idx	Name	Data Type
* Pk	CustSSN	VARCHAR
	Condition	VARCHAR
	DiagnosisDate	DATE
	TreatmentStatus	VARCHAR
* Pk	provider_ID	INT
Indexes		
Type	Name	On
Pk	pk	CustSSN, provider_ID
Relationships		
Type	Name	On
	hasHistory (CustSSN) ref HealthInfo (CustSSN)	
	PrevInsured (provider_ID) ref Company (CompanyCode)	

Entity OfferedPoliciesHealth		
Idx	Name	Data Type
* Pk	CompanyCode	INT
	PolicyType	INT
	EffectiveDate	DATE
	ExpiredDate	DATE
	Premium	INT
	Deductible	INT
	Policy_Limit	INT
	Region	INT

Entity OfferedPoliciesHealth

	AgeGroup	VARCHAR
	Smoker	BOOLEAN
	Dependents_Allowed	BOOLEAN
Indexes		
Type	Name	On
Pk	pk_0	CompanyCode
Relationships		
Type	Name	On
	fk_offeredpoliciesvehicle_0 (CompanyCode) ref Company (CompanyCode)	

Entity OfferedPoliciesVehicle

Idx	Name	Data Type
* Pk	CompanyCode	INT
	PolicyType	INT
	EffectiveDate	DATE
	ExpiredDate	DATE
	Premium	INT
	Deductible	INT
	Policy_Limit	INT
	Region	INT
	Vehicles_Considered	INT
	Age_Group	VARCHAR
	Dependents_Allowed	BOOLEAN
Indexes		
Type	Name	On
Pk	pk	CompanyCode
Relationships		
Type	Name	On
	fk_offeredpoliciesvehicle (CompanyCode) ref Company (CompanyCode)	

Entity Policy_Company_MarketingEmail

Idx	Name	Data Type
* Pk	CompanyCode	INT
	StartDate	DATE
	EndDate	DATE
	TargetAudience	VARCHAR
	PoliciesAdvertised	VARCHAR
* Pk	CampaignId	INT
	EngagementRate	INT
Indexes		
Type	Name	On
Pk	pk_Policy_Company_MarketingEmail	CampaignId, CompanyCode
Unq	unq_CampaignId	CampaignId
Relationships		
Type	Name	On
	hasEmailMarketing (CompanyCode) ref Company (CompanyCode)	

Entity PotentialCustomer

Idx	Name	Data Type
* Pk	CampaignId	INT
	PotentialFirstName	VARCHAR
	PotentialLastName	VARCHAR
	PotentialMiddleInitial	VARCHAR
	PotentialAddress1	VARCHAR
	PotentialAddress2	VARCHAR
	PotentialCity	VARCHAR
	PotentialState	VARCHAR
	PotentialZip	VARCHAR
	PotentialPhoneNum	INT
	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)	

Entity VehicleClaim

Idx	Name	Data Type
* Pk	CustSSN	VARCHAR
* Pk	Vehicle_ID	INT
* Pk	PolicyNum	INT
	ClaimDate	DATETIME
	ClaimAmount	INT
	ClaimCity	INT
	ClaimState	INT
	ClaimZip	INT
	ClaimAddress1	VARCHAR(100)
	ClaimAddress2	VARCHAR(100)
	Witness	BOOLEAN
	Fault	VARCHAR
	Description	VARCHAR
	Fraud	BOOLEAN
	Authorities_Contacted	BOOLEAN
	Injury	BOOLEAN
	ClaimStatus	VARCHAR
	ClaimSeverity	VARCHAR
	Policie_Rep_Avail	BOOLEAN
	NumCarsInvolved	INT
	IncidentType	VARCHAR
	Area_Affected	VARCHAR

Indexes

Type	Name	On
	idx_VehicleClaim	CustSSN, Vehicle_ID, PolicyNum
Pk	pk	CustSSN, Vehicle_ID, PolicyNum

Entity VehicleClaim

Relationships

Type	Name	On
	madeClaim (CustSSN, Vehicle_ID, PolicyNum)	ref VehiclePolicy (CustSSN, Vehicle_ID, PolicyNumber)

Entity VehicleInfo

Idx	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

Indexes

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

Relationships

Type	Name	On
	hasVehicle (CustSSN)	ref Customer (SSN)

Entity VehiclePolicy

Idx	Name	Data Type
* Pk	CustSSN	VARCHAR
* Pk	Vehicle_ID	INT
	PurchaseDate	DATE
	PolicyType	VARCHAR
* Pk	PolicyNumber	INT
	Deductible	INT
	Premium	INT
	Umbrella_Limit	INT
	ExpireDate	DATE
	EffectiveDate	DATE
	InsuredRegion	VARCHAR
* Pk	Agent_Sold	INT

Indexes

Type	Name	On
Pk	pk_VehiclePolicy	PolicyNumber, CustSSN, Vehicle_ID, Agent_Sold

Relationships

Type	Name	On
------	------	----

Entity VehiclePolicy

hasPolicy (CustSSN, Vehicle_ID) ref VehicleInfo (CustSSN, VehicleID)
SoldPolicy (Agent_Sold) ref Agent (AgentID)

Entity VehicleTrends

Idx	Name	Data Type
	VehicleCrimeIncrease	BOOLEAN
	VehicleCrimeDecrease	BOOLEAN
	PoorClimate	BOOLEAN
	IncreaseRateofAccident	BOOLEAN
	DecreaseRateofAccident	BOOLEAN
	PoorEconConditions	BOOLEAN
	GoodEconConditions	BOOLEAN
	State	BOOLEAN