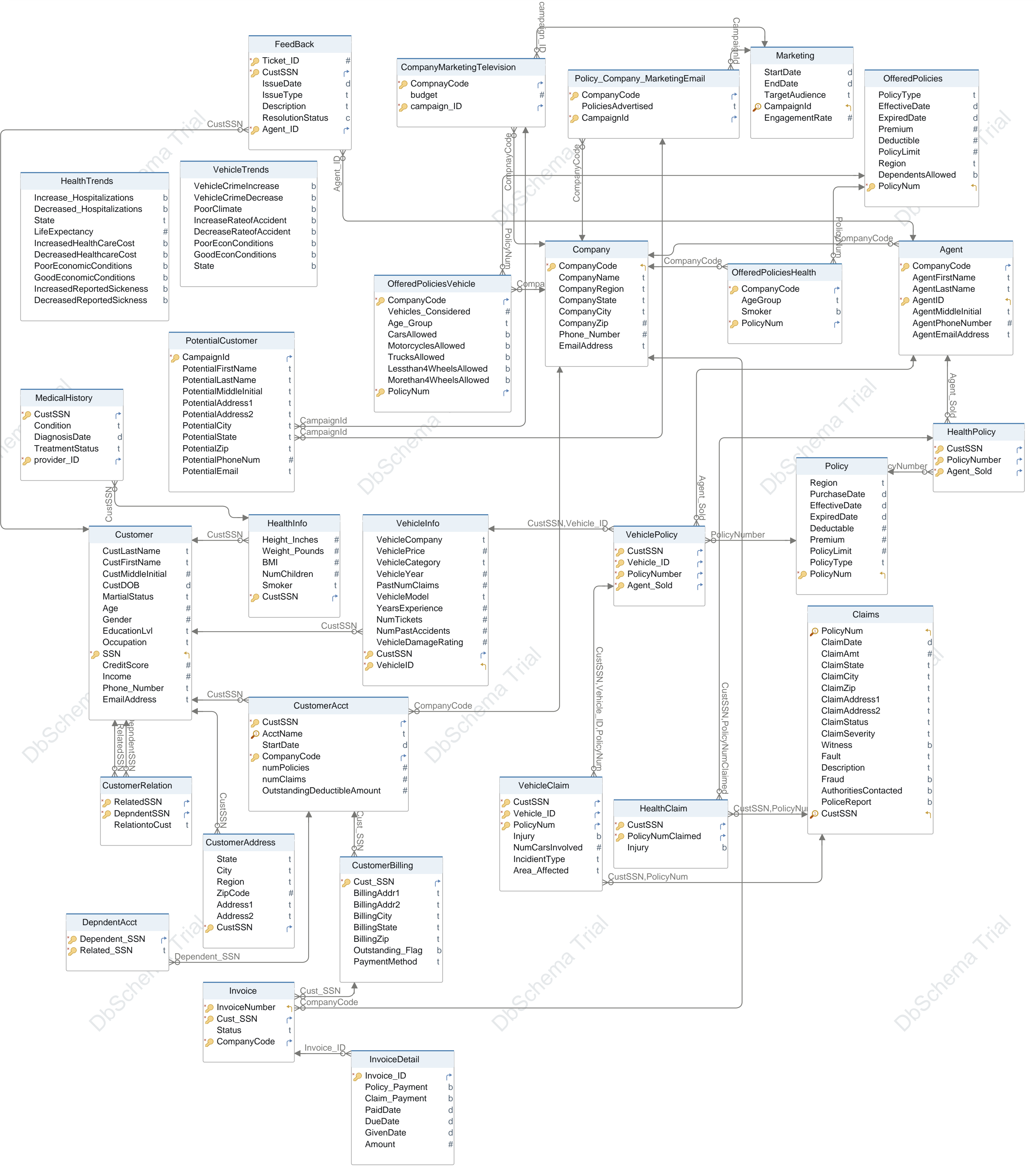


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Default Layout

| 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 | unq_AgentID | AgentID |
| Relationships | | |
| Type | Name | On |
| | BelongsTo (CompanyCode) ref Company (CompanyCode) | |

| Entity Claims | | |
|---------------|----------------------|--------------------|
| Idx | 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 | | |
| Type | Name | On |
| Unq | pk_PolicyNum | CustSSN, PolicyNum |
| Unq | pk_PolicyNum_001 | CustSSN, PolicyNum |

| Entity Company | | |
|----------------|---------------|-----------|
| Idx | Name | Data Type |
| * Pk | CompanyCode | INT |
| | CompanyName | VARCHAR |
| | CompanyRegion | VARCHAR |
| | CompanyState | VARCHAR |

Entity Company

| | |
|--------------|---------|
| 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 |
| | budget | INT |
| * Pk | campaign_ID | INT |

Indexes

| Type | Name | On |
|------|------------------------|--------------------------|
| Pk | pk_MarketingTelevision | campaign_ID, CompnayCode |
| Unq | unq_campaign_ID | campaign_ID |

Relationships

| Type | Name | On |
|------|--|----|
| | hasTvMarketing (CompnayCode) ref Company (CompanyCode) | |
| | isCampaign (campaign_ID) ref Marketing (CampaignId) | |

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 |
| 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

| 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

| 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 |

Entity CustomerRelation

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

Entity FeedBack

| Idx | Name | Data Type |
|------|------------------|-----------|
| * Pk | Ticket_ID | INT |
| * 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 | VARCHAR |
| * Pk | PolicyNumClaimed | INT |
| | Injury | BOOLEAN |

Indexes

| Type | Name | On |
|------|------|---------------------------|
| Pk | pk | CustSSN, PolicyNumClaimed |

Relationships

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

Entity HealthClaim

beingClaimed (CustSSN, PolicyNumClaimed) ref HealthPolicy (CustSSN, PolicyNumber)

madeClaim (CustSSN, PolicyNumClaimed) ref Claims (CustSSN, PolicyNum)

Entity HealthInfo

| Idx | Name | Data Type |
|------|---------------|-----------|
| | Height_Inches | INT |
| | Weight_Pounds | INT |
| | BMI | DECIMAL |
| | NumChildren | INT |
| | Smoker | VARCHAR |
| * 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 |
| * Pk | PolicyNumber | INT |
| * 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) | |
| | isPolicy (PolicyNumber) ref Policy (PolicyNum) | |

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 |

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 |

Relationships

| Type | Name | On |
|------|---|----------------------------------|
| | fk_invoice_customerbilling (Cust_SSN) | ref CustomerBilling (Cust_SSN) |
| | sentInvoice (CompanyCode) | ref Company (CompanyCode) |

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 Marketing

| Idx | Name | Data Type |
|-----|----------------|-----------|
| | StartDate | DATE |
| | EndDate | DATE |
| | TargetAudience | VARCHAR |
| Unq | CampaignId | INT |
| | EngagementRate | INT |

Indexes

| Type | Name | On |
|------|-------------------|------------|
| Unq | pk_CampaignId | CampaignId |
| Unq | pk_CampaignId_001 | CampaignId |

Entity MedicalHistory

| Idx | Name | Data Type |
|------|-----------------|-----------|
| * Pk | CustSSN | VARCHAR |
| | Condition | VARCHAR |
| | DiagnosisDate | DATE |
| | TreatmentStatus | VARCHAR |
| * Pk | provider_ID | INT |

Indexes

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

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

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

| Entity OfferedPoliciesVehicle | | |
|-------------------------------|------------------------|-----------|
| Idx | 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 |
| Indexes | | |

Entity OfferedPoliciesVehicle

| Type | Name | On |
|---------------|---|------------------------|
| Pk | pk | CompanyCode, PolicyNum |
| Relationships | | |
| Type | Name | On |
| | fk_offeredpoliciesvehicle (CompanyCode) ref Company (CompanyCode) | |
| | isOffered (PolicyNum) ref OfferedPolicies (PolicyNum) | |

Entity Policy

| Idx | 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 Policy_Company_MarketingEmail

| Idx | Name | Data Type |
|---------------|---|-------------------------|
| * Pk | CompanyCode | INT |
| | PoliciesAdvertised | VARCHAR |
| * Pk | CampaignId | 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) | |
| | isCampaign (CampaignId) ref Marketing (CampaignId) | |

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 |

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)

Entity VehicleClaim

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

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

| | | |
|------|------------|-----|
| * Pk | Vehicle_ID | INT |
|------|------------|-----|

| | | |
|------|-----------|-----|
| * Pk | PolicyNum | INT |
|------|-----------|-----|

| | | |
|--|--------|---------|
| | Injury | BOOLEAN |
|--|--------|---------|

| | | |
|--|-----------------|-----|
| | NumCarsInvolved | INT |
|--|-----------------|-----|

| | | |
|--|--------------|---------|
| | IncidentType | VARCHAR |
|--|--------------|---------|

| | | |
|--|---------------|---------|
| | Area_Affected | VARCHAR |
|--|---------------|---------|

Indexes

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

idx_VehicleClaim CustSSN, Vehicle_ID, PolicyNum

| | | |
|----|----|--------------------------------|
| Pk | pk | CustSSN, Vehicle_ID, PolicyNum |
|----|----|--------------------------------|

Relationships

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

madeClaim (CustSSN, Vehicle_ID, PolicyNum) ref VehiclePolicy (CustSSN, Vehicle_ID, PolicyNumber)

hasClaimed (CustSSN, PolicyNum) ref Claims (CustSSN, PolicyNum)

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 |
|-----|-----------------|---------|

Entity VehicleInfo

Relationships

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

Entity VehiclePolicy

| Idx | Name | Data Type |
|------|--------------|-----------|
| * Pk | CustSSN | VARCHAR |
| * Pk | Vehicle_ID | INT |
| * Pk | PolicyNumber | INT |
| * Pk | Agent_Sold | INT |

Indexes

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

Relationships

| Type | Name | On |
|------|--|----|
| | hasPolicy (CustSSN, Vehicle_ID) ref VehicleInfo (CustSSN, VehicleID) | |
| | SoldPolicy (Agent_Sold) ref Agent (AgentID) | |
| | isPolicy (PolicyNumber) ref Policy (PolicyNum) | |

Entity VehicleTrends

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