

CONCEPTUAL DATA MODELLING

Design Rules

<u>Rules</u>	<u>Description</u>	<u>Example</u>
Rule 1	All individual entity types must be in capital letters	G1_COSTUMER
Rule 2	An underscore is used to label an entity type with more than one word	G1_INSURANCE_POLICY
Rule 3	Plurals are not used when labelling entity types	G1_STAFF
Rule 4	No abbreviations are used when labelling entity types	G1_QUOTE
Rule 5	The name of every entity type should start with a G1_ to represent Group1	G1_APPLICATION

Assumptions

<u>Assumptions</u>	<u>Description</u>
Assumption 1	Customer must be a permanent international driving licence
Assumption 2	The online insurance has no physical high-street presence
Assumption 3	The online insurance is given to customers over 18 years of age
Assumption 4	The online insurance needs some driving history of customer
Assumption 5	The online insurance needs to know type of car customer drives
Assumption 6	The online insurance needs to know about insurance history of customer

Entity types

<u>Entity type</u>	<u>Description</u>
G1_CUSTOMER	Records all the personal details about the customer
G1_APPLICATION	Records details of the insurance cover requested by Customer
G1_QUOTE	Records details of customer potential cost of the insurance product
G1_INSURANCE_POLICY	Records details of Insurance agreement
G1_PREMIUM	Records details of customer payments
G1_VEHICLE	Records details of Vehicle model, cost and registration
G1_CLAIM	Records details of customer claims in case of an incident
G1_SETTLEMENT	Records details of settlement made on claims
G1_STAFF	Records details of employees
G1_DEPARTMENT	Records details of the various departments
G1_OFFICE	Records details of different office locations
G1_MEMBERSHIP	Records details of customer membership
G1_SERVICE	Records details of different car services offered
G1_NOK	Records details of the next o kin
G1_TERMS_CONDITIONS	Records all terms and conditions in regard to the policy
G1_INSURANCE_POLICY_COVERAGE	Records details of vehicle insurance cover
G1_RECEIPT	Records details of Receipt of Premiums
G1_COMPANY	Details of the Insurance organization giving the insurance cover

Entity types related to Entities' Relationship

<u>Entity Type</u>	<u>Related to Entities</u>	<u>Relationship</u>
G1_QUOTE	G1_APPLICATION	One to one
G1_APPLICATION	G1_INSURANCE_POLICY G1_COSTUMER	One to many One to many
G1_COSTUMER	G1_MEMBERSHIP G1_PREMIUM G1_CLAIM G1_VEHICLE	Many to many one to many one to many one to many
G1_INSURANCE_POLICY	G1_VEHICLE_INSURANCE _DEPARTMENT G1_TERMS_CONDITIONS G1_NOK	one to many Many to many one to many
G1_PREMIUM	G1_RECEIPT	one to many
G1_CLAIM	G1_SETTLEMENT	one to many
G1_INSURANCE _POLICY_COVERAGE	G1_DEPARMENT G1_SERVICE	one to many one to many
G1_DEPARTMENT	G1_OFFICE G1_COMPANY	Many to many one to many
G1_COMPANY	G1_STAFF	Many to many