



Barry's Secret Sauce

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1. Ingredients

Americans sometimes refer to a 'Secret Sauce' by which they mean a secret combination of ingredients that make a product special and unique. A simple example is Coca-Cola.

I have defined my own 'Secret Sauce', based on a unique combination of technical features that I have found useful over the years. The foundation is the Model-View-Controller (M-V-C) which is the most commonly used framework for Internet Applications.

I have designed a Data Model for M-V-C :-

- http://www.databaseanswers.org/data_models/mvc_model_view_controller/index.htm

Our Secret Sauce combine these fourteen powerful ingredient that provides us with a unique competitive edge :-

- 1 CRUD Services (Create, Read, Update, Delete)
- 2 Design Patterns
- 3 Event –Driven Approach
- 4 Generic Solutions
- 5 Industry-specific Service Delivery Platforms (Banking, etc)
- 6 Inheritance
- 7 Layered Data Architectures
- 8 Mapping (eg Passengers to Customers)
- 9 Model-View-Controller (MVC)
- 10 Platform Concept (eg Banking, Customer-Services, Logistics)
- 11 Reporting Toolkit (Patterns of Generic Reports and KPIs)
- 12 SOA Facilities
- 13 Triggers (for KPIs)
- 14 User-Defined Hierarchies

Validation will be achieved by building a Proof-of-Concept (PoC) .

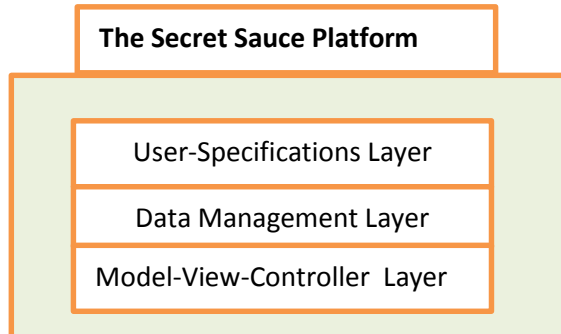
The PoC will include two User Scenarios :-

1. Enter one record to generate an Alert for a KPI on a Smartphone.
2. Drill-down from the KPI to the Data Marts and Data Warehouse.

2. Building the Secret Sauce Platform

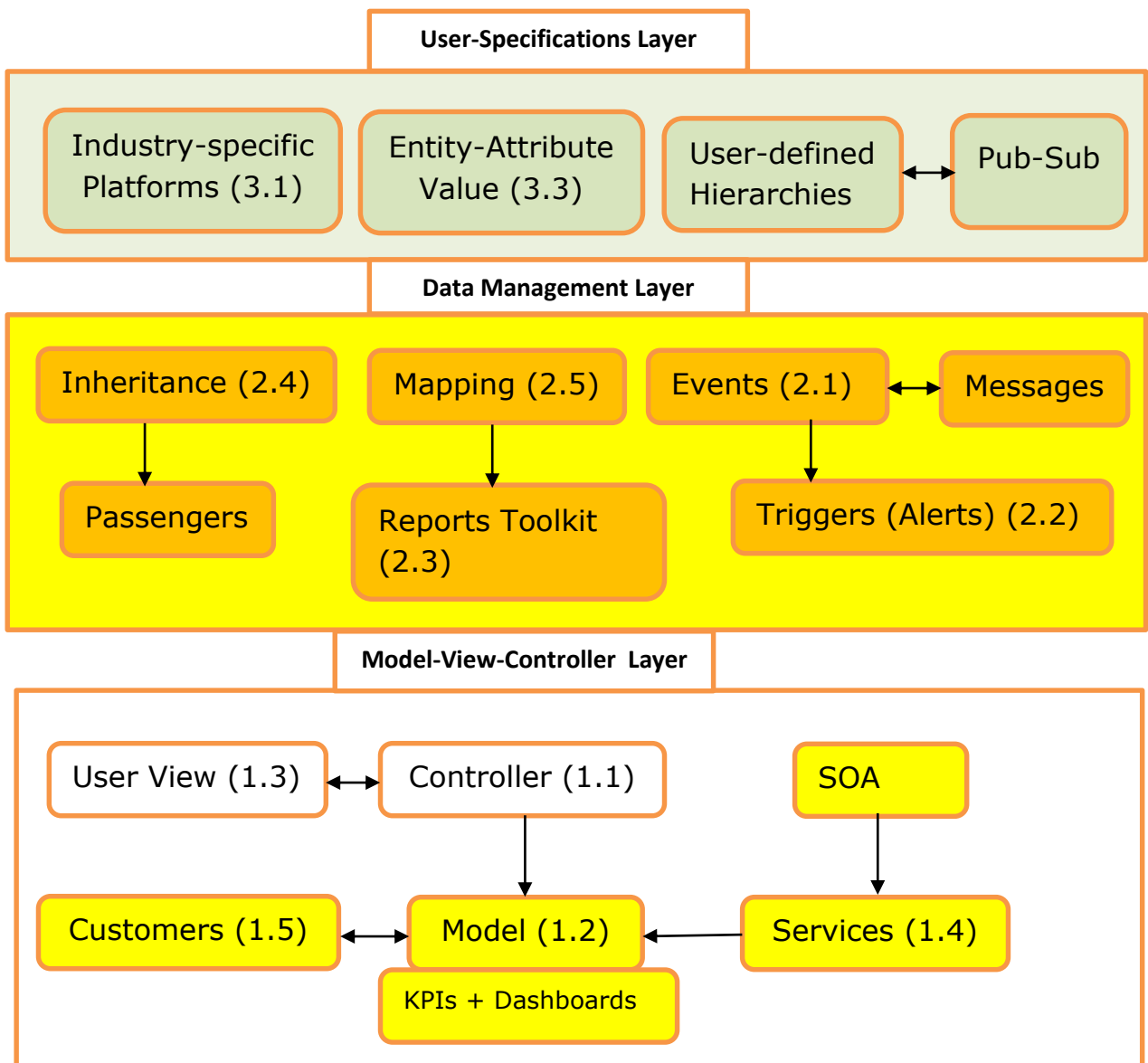
2.1 Layered Data Architecture

There are three Layers in the Secret Sauce Platform :-



2.2 Components in the Architecture

Here we show details of the three Layers :-



3. Additional Components

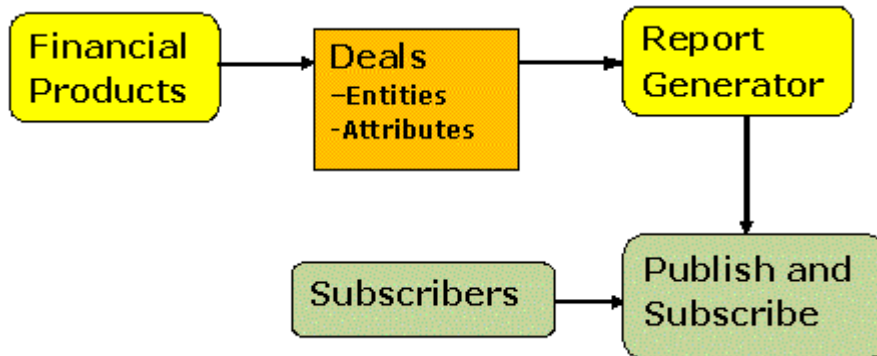
3.1 Financial Reporting Platform

This Component is included in the Reports Toolkit.

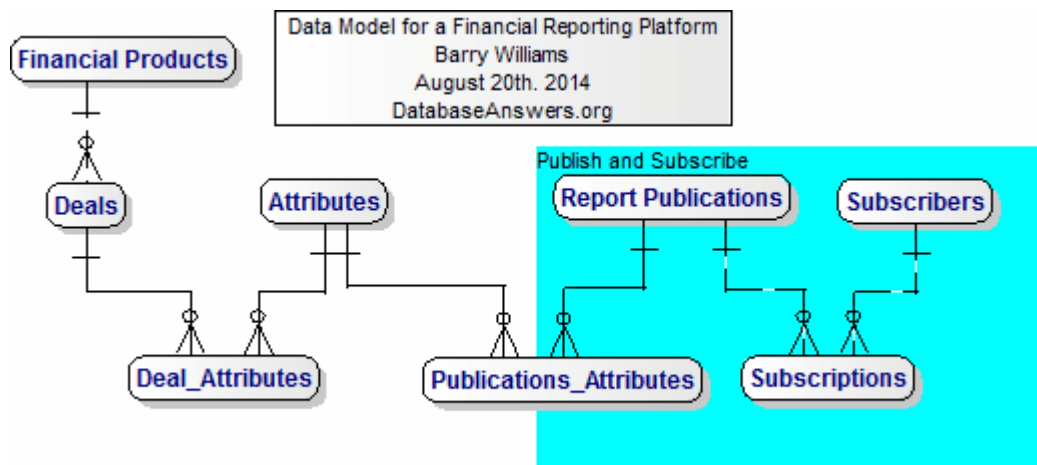
Here is the URL :-

- http://www.databaseanswers.org/data_models/financial_reporting_platform/index.htm

And the Conceptual Model :-



And the Logical Model :-



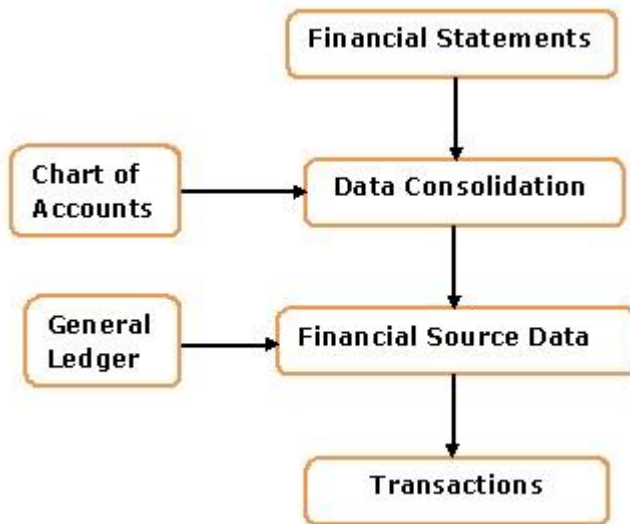
3.2 Financial Statement Generator

This Component is also included in the Reports Toolkit.

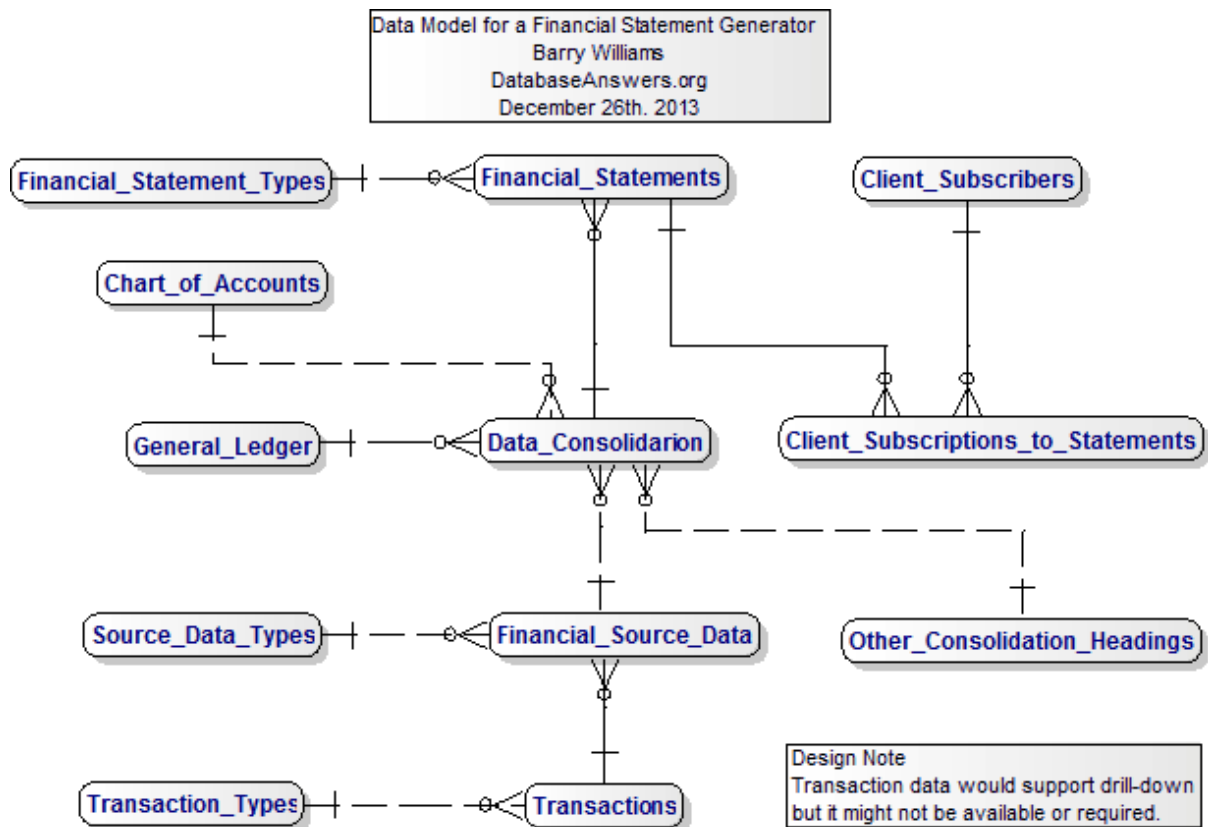
Here is the URL :-

- http://www.databaseanswers.org/data_models/financial_statement_generator/index.htm

And the Conceptual Model :-



And the Logical Model :-

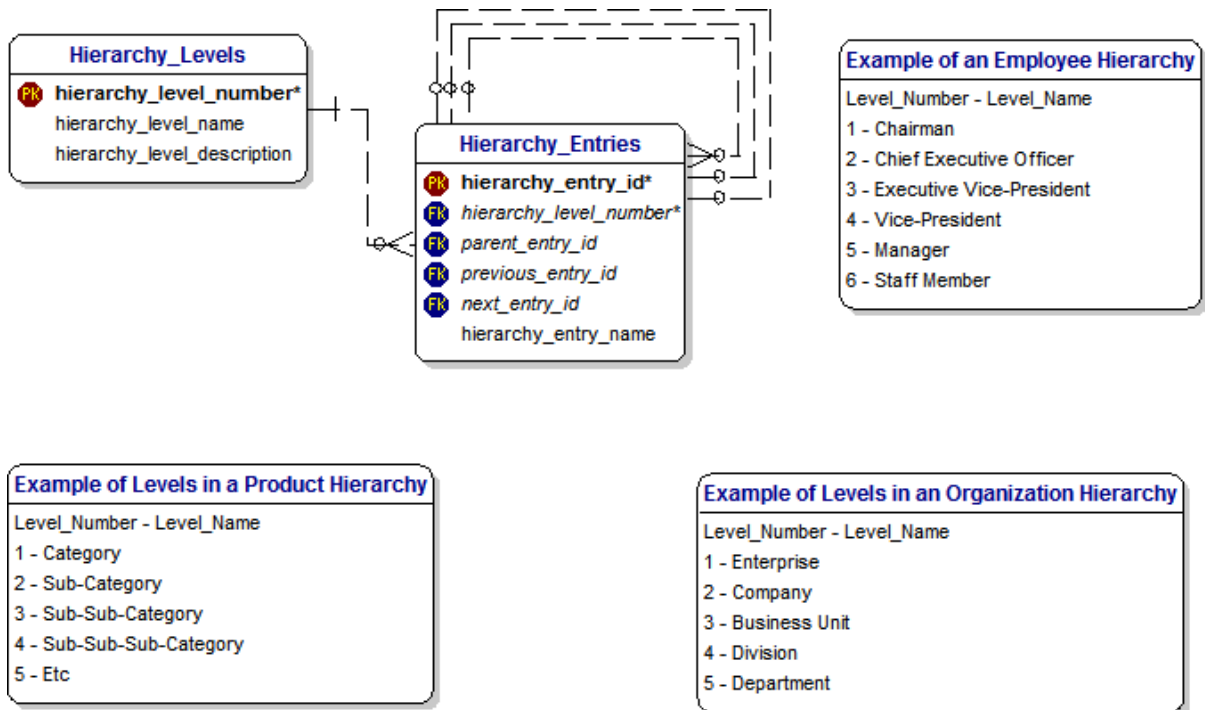


3.3 User-Defined Hierarchy

Here is the URL :-

- http://www.databaseanswers.org/data_models/user_defined_hierarchies/index.htm

And the Logical Model :-



3.4 Financial Reporting Platform

Here is the URL :-

- http://www.databaseanswers.org/data_models/financial_reporting_platform/index.htm

And the Conceptual Model :-

