

DATA MODEL DEVELOPING PLATFORM

ABSTRACT

The present disclosure provides a data model developing platform, having a B/S
5 three-tier architecture and including: a page client in foreground, configured to access an
application server through Nginx; an application server in background, deployed with
application services associated with data model development, and a data storage device,
configured to store data using a relational database, and cache data using a key-value database.
The application server in background includes: a data standard managing module configured
10 to maintain a data standard and word-roots; a data model managing module configured to
design a data model based on the data standard and/or the word-roots; a project managing
module configured to compare any two versions of a project to generate a difference file, and
export the difference file into an SQL file; and a tenant managing module configured to
provide a multi-tenant environment and isolate projects of different tenants from each other,
15 so that each tenant is allowed to view only an owned project. The platform supports
distributed development of a data model by multi-person collaboration.

Fig. 1A