**Planovik**

**Data Model**

*Your Travel Planner*

**planovik\_main**

Internal and restricted access db for planovik main application. Contains details of all tenants (subscribers) including how data is configured for each tenant in the ‘tenant’ schema.

Tenant ID associations, master database with tenant’s connection metadata

Trial Accounts, Basic Accounts, Professional Accounts, Enterprise Accounts

Trial and Basic Accounts would be stored in a single database but different tables

Professional and Enterprise Accounts would be stored in separate databases

**Table Description**

* plnvk\_tenant\_master

id – unq primary key

type – internal/external

status – active, suspended…

subscription – trial/basic/professional/enterprise

domainname – unq (example du for destinations unlimited) indexed

dsurl (example: jdbc:mysql://localhost:3306/planovik\_1)

dsusername

dspassword (should be encrypted)

bkdsurl (example: jdbc:mysql://localhost:3306/planovik\_2)

bk\_db\_username

bkdspassword (should be encrypted)

datecreated

datemodified

**planovik\_<tenant\_domain\_number>**

Example: planovik\_silver\_1

3 tenancy models will be offered (Shared hosting and private hosting). In the case of shared hosting, each tenant will have its own logical separation though each tenant logical units may be hosted on a single physical server. Data is guaranteed to be separated though performance may be constrained at times by the performance of the physical server itself. Private hosting maintains the data separately in its own physical server such that no other tenants may exist on the same physical server at any time. Shared hosting is the default and cheaper model and will be offered in 2 models:

* Own Tables within a shared schema (Tier 1)

Each tenant will have its own unique set of data tables wherein all data and related information stored within the set of tables will NEVER have entries from any other tenant.

Business Name: Silver

* Own Schema within a physical DB box (Tier 2)

Each tenant will have its own unique schema wherein all data and related information stored within tables contained in the schema will NEVER have any data tables views or database structures from any other tenant.

Business Name: Gold

* Own database (Tier 3)

Own and separate physical server with unique schema where no other tenant schemas will reside.

Business Name: Platinum

**Domain specific table List**

**itin\_incr**

id (PK, AI, NN, US)

**itin\_master**

number (FK->itin\_incr-id), Example: 1234

version (NN, US, default 1)

status (draft, final, default - draft)

name (short description of activity, example; “Visit of Hayward family to South India…)

touroperator (name/direct)

grouphead (name)

numtravellers

startdate

enddate

arrivalcity (autofill)

endcity (autofill)

currency (default INR)

quotecurr (default INR)

convcode (convcode from itin\_currencies)

tzoffset (for specifying times in local timezone of travel)

datecreated

dateupdated

**Constraint:** number, version (unq)

**itin\_currencies (always apply active rate, for old rates refer to datecreated)**

convcode (ddmmyyyy-GBP\_INR-1, timestamp with incremental to permit multiple codes in a single day)

from\_curr

to\_curr

status (active, inactive)

unit\_rate (Example 1 INR to 1 GBP = 0.0107)

datecreated

dateupdated

**itin\_pax\_info**

itinnum (NN, FK->itin\_master-number)

version (from itin\_master->number version)

name (required)

age (required)

nationality (required)

passportdet (Country, Date of Issue, Date of Expiry)

visadet (Country, Type, Date of Issue, Date of Expiry)

phone

grouphead (Y|N)

disability (short desc)

datecreated

dateupdated

**itin\_activity\_incr**

id (PK, AI, NN, US)

**itin\_activity\_master**

activityid (itin\_activity\_incr->id, incremental across all itineraries/activities)

itinnum (NN, FK->itin\_master-number)

version (from itin\_master->number version)

datecreated

dateupdated

**itin\_activity\_codes**

code (PK, alphanumeric, TA1.. for Air, TR1.. for road, TT1.. for train, TB1.., H1… for hotel, SS1… for sightseeing, O1.. for other)

codedesc – Air Travel, Road Travel, Train Travel, airportpickup

**itin\_activity\_travel**

activityid (NN, FK->itin\_activity\_master-acitivitynum)

code (FK->itin\_activity\_codes)

day (1, 2, 3…)

vesselconame

vesselno

class (economy, business, first)

bookingno (PNR|Confirmation Number)

depdatetime

arrdatetime

depstation (auto fill)

arrstation (auto fill)

arptpk (Y|N)

arptpkcost

arptpkcar (auto fill)

arptpkcarcost

arptassist (Y|N)

arptassistcost

carrentalco

carrentalcontact (autofill)

datecreated

dateupdated

**itin\_activity\_hotel**

activityid (NN, FK->itin\_activity\_master-acitivitynum)

code (FK->itin\_activity\_codes)

day (1, 2, 3…)

name

city

roomcat (Single, double, suite, budget)

price

datecreated

dateupdated

**itin\_activity\_sightseeing**

activityid (NN, FK->itin\_activity\_master-acitivitynum)

code (FK->itin\_activity\_codes)

day (1, 2, 3…)

placename (to be auto filed from DB table)

city

guidename

guiderate

entrancefees

escortreq (Y|N)

escortcost

datecreated

dateupdated

**itin\_activity\_other**

activityid (NN, FK->itin\_activity\_master-acitivitynum)

code (FK->itin\_activity\_codes)

day (1, 2, 3…)

desc (Short description of activity)

cost

datecreated

dateupdated