All requests are received by Apache, then rewritten and "passed" to Resin EE
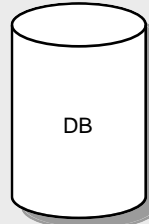
Apache

Resin Enterprise Edition (J2EE)

Web site framework allows per-realtor, or per-theme level customizations via a simple browser-based content management application. Almost all of the web site content can be customized via Content Managed Data items that are stored in the database, e.g., images, text, XSL, CSS, XML etc. This facilitates easy theme-level customizations by internal staff, and realtor level changes (over-rides) by realtors (customers), i.e., the Look & Feel can be customized by modifying the model and view CMD items with our high level, easy-to-use content management application— *agent.i18ngenious*.

Controller

Taglibs

JSP Main Dispatcher

JSP files use JSTL for control flow and conditional logic, i.e., no Java.

Model

PostgreSQL

In addition to storing realtor user data and listing related data, the database is also used as a virtual file system storing Content Managed Data items by name, e.g., XSL, XML, CSS, images, and text.

DB

EJBs

Managed/Editable XML

Generated XML

Other Assets

Realtor-level images, vtours, sound clips etc

CMD items are fetched based on current locale and a search hierarchy, i.e., realtor-level, theme level and default (common). CMD items are simply fetched via name, e.g.,

`/name/<CMDName>`

with retrieval logic placed in the EJB/Session bean layer, i.e., provides transparency on front-end.

Realtor-level CMD item match in current locale?

no

Realtor-level CMD item match in any locale?

no

Theme-level CMD item match in current locale?

no

Theme-level CMD item match in any locale?

no

Default-level CMD item match in current locale?

no

Default-level CMD item match in any locale?

View

XSL

XML

Theme-level UI items, e.g., menus, text, icon images etc

Controller

Servlets

CSS

Custom servlets including the CMD servlet. This servlet fetches content managed data items from the DB. *See diagram to the left.*

Denotes Content Managed Data item