

APEX - Bring structure to your rapid apps

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Elements of a framework/structure for APEX The most important elements



- Users/Passwords and Roles
- Authentication
- Authorization
- Definition of Modules and Apps Parameters passing
- Navigation within and between Apps The Menu
 - Plsql to Javascript
 - Parameters and Checksums the url
- The Navigation toolbar



The SoftBASE MasterAPP

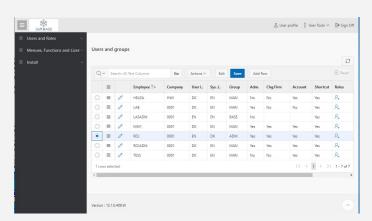
APEX Structured Framework features

- Users/Passwords and Roles
- Authentication Custom auth adaptable to your security model

```
SoftBASE
The Migration Factory
```

```
Function SoftBASE_Login (
  p_username in varchar2,
  p_password in varchar2 )
  return boolean is
   wf_ret Boolean;
begin
wf_ret := mm1_apex_auth.mm_login(wf_mm_username_in => p_username,
                            wf_mm_password_in => p_password);
 Return wf_ret;
 Exception
 when others then
 Return false:
End;
```

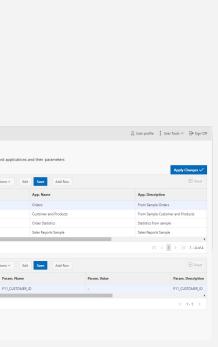
The SoftBASE MasterAPP



APEX Structured Framework features

- Definition of Modules and Apps Integration items
- Navigation within and between Apps The Menu
 - Plsql to Javascript
 - Parameters and Checksums the url Builtin Authorization

```
return
a'l
Select IvI.
label,
target.
wf_linage,
image
From
select IvI, label,
target.
wf_linage.
image from table(mm1_apex_app_1220.mm1_apex_app_menu_piped(
wf_mm_app_id
                     => :APP_ID,
wf_mm_user_id
                      => :CTR_MM_USER_ID,
wf_mm_lang_user_id
                      => :CTR_MM_LANG_USER_ID,
wf mm license id
                      => :CTR_MM_LICENSE_ID,
wf_mm_session_id
                      =>:APP_SESSION)));
```



Customer applications and their parameters



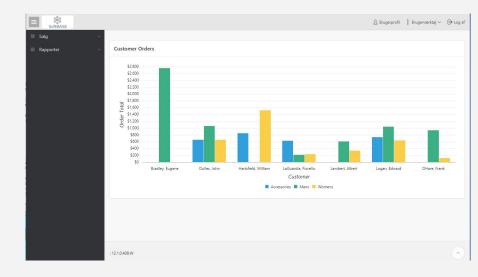


APEX Structured Framework Workshop

- Sample App unstructured
- Sample App Applications 201,202,203 and 204







APEX Structured Framework Workshop

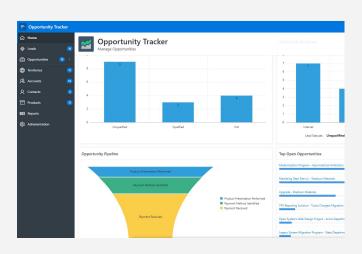
Opportunity Tracker -> Structured App
 107

Leads 19, 133 and 29

Accounts 2, 94 and 3

Opportunities - 1, 80, 16, 71, 108 and 31





Elements of a framework/structure for APEX Is there more to it?



A few nice things (the Administration/Designer/Language Modules)

- Dynamic Wizard/workflow per user group
- Accounting integration layer
- Gsuite/Office365 integration layer (Oauth2)
- Dynamic style choice per Unit (Firm, Department..)
- Dynamic choice of Logo per Unit (Firm, Department..)
- Dynamic language control at runtime, per user (All headings, texts, mes texts etc.)
- Dynamic Default Values per user group
- Dynamic LOV's, via user table App
- Dynamic designer at Runtime, for instance choosing an items color
- Dynamic validation and error handling framework

The SoftBASE MasterAPP



Thanks for listening and look forward to seeing you next thursday.



The End.

