



MENU

Custom Authentication in Oracle APEX

View more 7	Tutorials:
-------------	------------

Oracle APEX Tutorials

- 1- Introduction
- 2- Default authentication of APEX
- 3- SQL Script
- 4- Declaring Application Items
- 5- Custom Authentication

108 Shares

1- Introduction





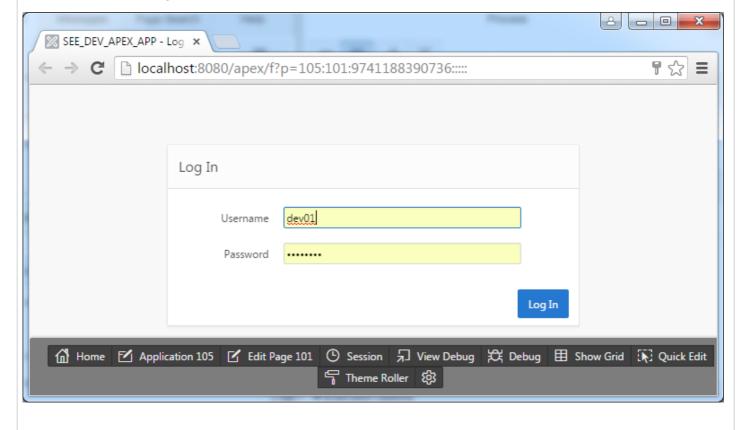
This document is based on:

• Oracle APEX 5.0

2- Default authentication of APEX

When you create an **Oracle APEX** application, the default login page is created with page number is 101. Default login uses **APEX authentication**, which means you have to enter a **username** and **password** created by the **APEX Admin**. In case you have a separate table to store user information, you need to customized authentication.

OK this is the default login page is created:





(X)

To begin this example, you need to run Script to create table to store user and create package.

Create **USER_ACCOUNT** table:

```
?
                          create table USER_ACCOUNT
    2
                              USER_NAME VARCHAR2(30) not null,
    3
     4
                              PASSWORD VARCHAR2(30) not null,
                              USER_TYPE VARCHAR2(10) not null,
                             ACTIVE VARCHAR2(1) not null,
EMAIL VARCHAR2(64) not null,
     6
     7
                            FULL_NAME VARCHAR2(64) not null
    8
    9
 10
 11
                         alter table USER_ACCOUNT
 12
                             add constraint USER_ACCOUNT_PK primary key (USER_NAME);
 13
                         alter table USER_ACCOUNT
 14
                             add constraint USER_ACCOUNT_UK unique (EMAIL);
 15
 16
 17
 18
                        insert into user_account (USER_NAME, PASSWORD, USER_TYPE,
 19
                           ACTIVE, EMAIL, FULL_NAME)
20
                          values ('tom', 'tom123', 'admin', 'Y', 'tom@example.com', 'Tom');
21
22
23
                        insert into user_account (USER_NAME, PASSWORD, USER_TYPE,
                         ACTIVE, EMAIL, FULL_NAME)
                         values ('jerry', 'jerry123', 'user', 'Y', 'jerry@example.com', 'Jerry');
24
25
26
27
                        {\color{blue} \textbf{insert into}} \ \textbf{user\_account} \ (\textbf{USER\_NAME}, \ {\color{blue} \textbf{PASSWORD}}, \ \textbf{USER\_TYPE}, \\ {\color{blue} \textbf{account}} \ (\textbf{SER\_NAME}, \ \textbf{SER\_TYPE}, \ \textbf{SER\_TYPE}, \\ {\color{blue} \textbf{account}} \ \textbf{SER\_TYPE}, \\ {\color{blue} \textbf
                         ACTIVE, EMAIL, FULL_NAME)
28
                          values ('donald', 'donald123', 'guest', 'N', 'donald@example.com', 'Donald');
29
                         Commit;
```

PKG SECLIBITY



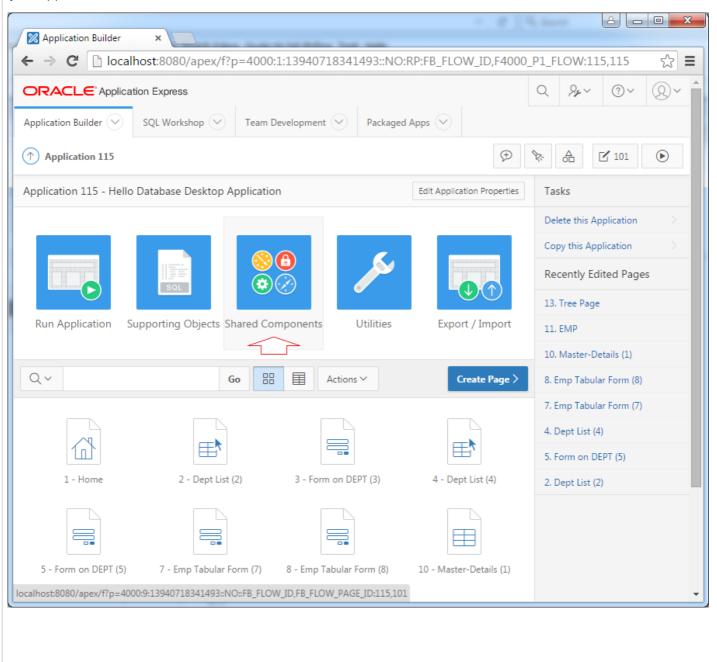
```
6
       Procedure Process_Login(p_User_Name Varchar2
 8
                     ,p_Password Varchar2
 9
                     ,p_App_Id Number);
10
11
      End Pkg_Security;
12
      Create Or Replace Package Body Pkg_Security Is
13
14
       Function Authenticate_User(p_User_Name Varchar2
15
                      ,p_Password Varchar2) Return Boolean As
16
        v_Password User_Account.Password%Type;
17
        v_Active User_Account.Active%Type;
18
19
        v_Email User_Account.Email%Type;
20
       Begin
21
        If p_User_Name Is Null Or p_Password Is Null Then
22
23
           -- Write to Session, Notification must enter a username and password
24
          Apex_Util.Set_Session_State('LOGIN_MESSAGE
25
                          ,'Please enter Username and password.');
26
          Return False;
27
        End If:
28
29
        Begin
          Select u.Active
30
31
              ,u.Password
              ,u.Email
32
33
          Into v_Active
34
              ,v_Password
35
              ,v_Email
36
          From User_Account u
37
          Where u.User_Name = p_User_Name;
38
        Exception
39
          When No_Data_Found Then
40
             -- Write to Session, User not found.
41
            Apex_Util.Set_Session_State('LOGIN_MESSAGE'
42
43
                            ,'User not found');
44
            Return False;
45
        End;
        If v_Password <> p_Password Then
46
47
48
           -- Write to Session, Password incorrect.
49
          Apex_Util.Set_Session_State('LOGIN_MESSAGE'
50
                          .'Password incorrect'):
          Return False;
51
52
        End If:
53
        If v_Active <> 'Y' Then
54
          Apex_Util.Set_Session_State('LOGIN_MESSAGE'
55
                          ,'User locked, please contact admin');
56
          Return False:
57
        End If;
58
59
        -- Write user information to Session.
60
        Apex_Util.Set_Session_State('SESSION_USER_NAME'
61
62
                         ,p_User_Name);
63
        Apex_Util.Set_Session_State('SESSION_EMAIL'
64
                         ,v_Email);
65
66
67
        Return True;
68
69
70
71
       Procedure Process_Login(p_User_Name Varchar2
72
                    ,p_Password Varchar2
73
                     ,p_App_Id Number) As
74
        v_Result Boolean := False;
75
       Begin
76
        v_Result := Authenticate_User(p_User_Name
77
                          ,p_Password);
78
        If v_Result = True Then
79
            Redirect to Page 1 (Home Page).
80
          Wwv_Flow_Custom_Auth_Std.Post_Login(p_User_Name -- p_User_Name
81
                               ,p_Password -- p_Password
82
                               ,v('APP_SESSION') -- p_Session_Id
                               ,p_App_Id || ':1' -- p_Flow_page
83
84
```



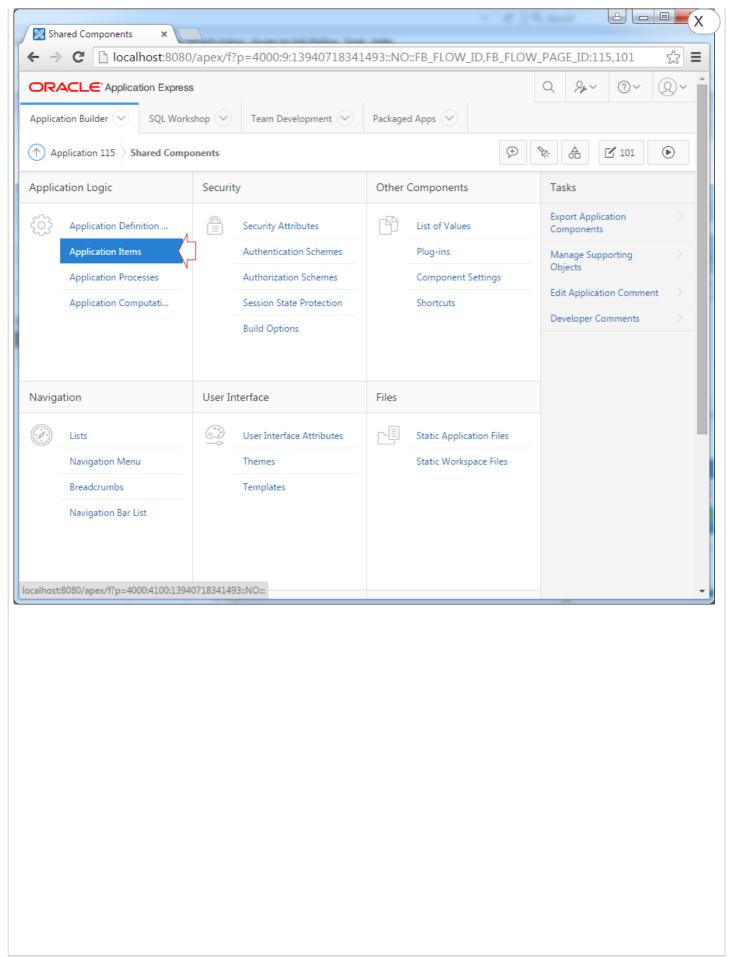


4- Declaring Application Items

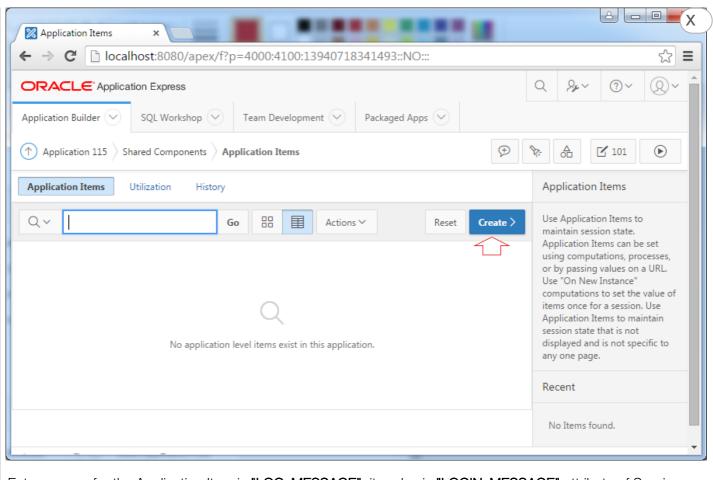
Click on the "Shared Components", here allows you to declare the "Application Items", it is the items will be used in your application.







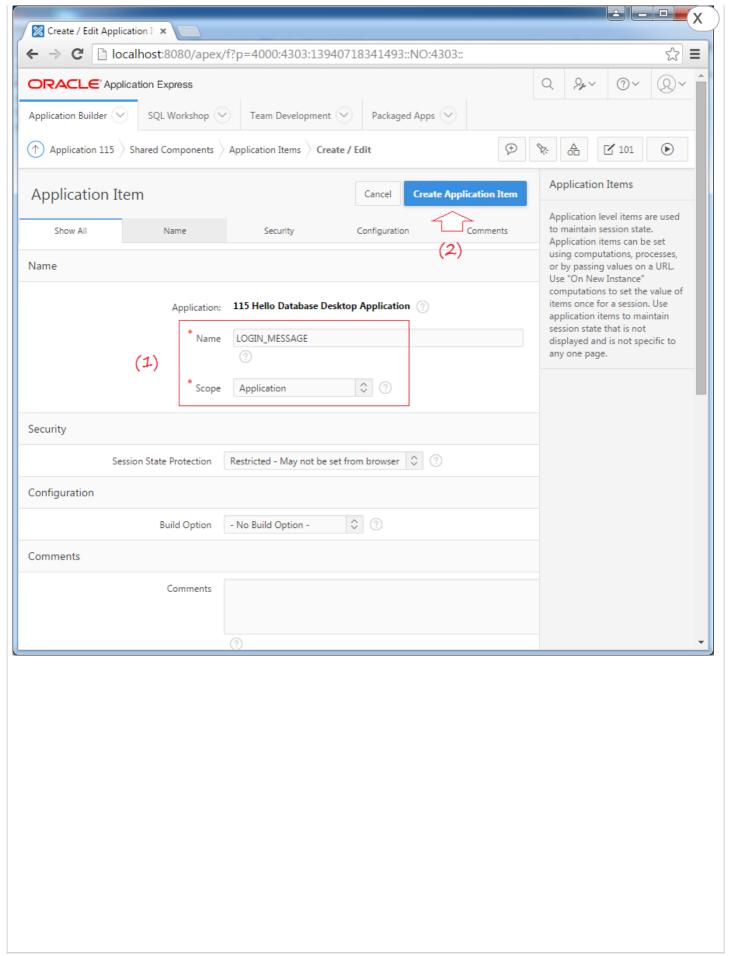


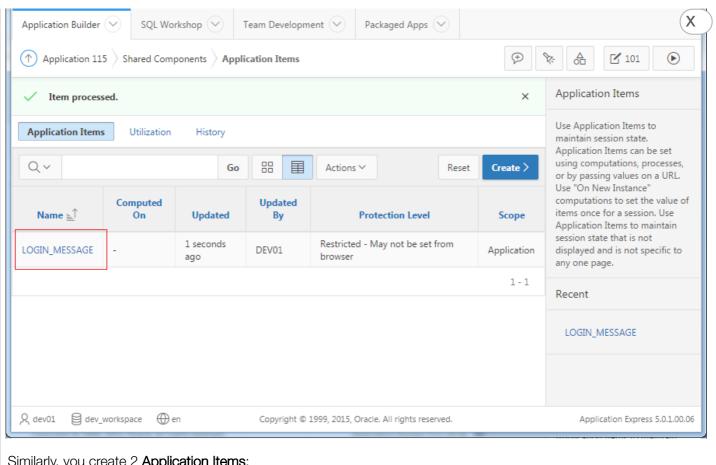


Enter a name for the Application Item is "LOG_MESSAGE", its value is "LOGIN_MESSAGE" attribute of Session, you can set its value in PL/SQL:

```
Apex_Util.Set_Session_State('LOGIN_MESSAGE'
,'User not found');
```

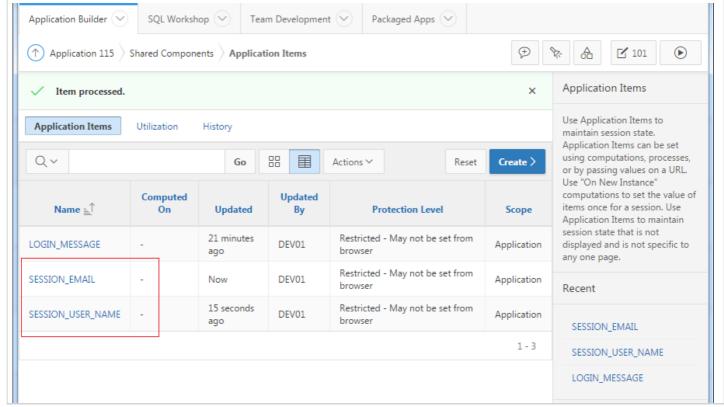
[X]





Similarly, you create 2 Application Items:

- SESSION USER NAME
- SESSION_EMAIL

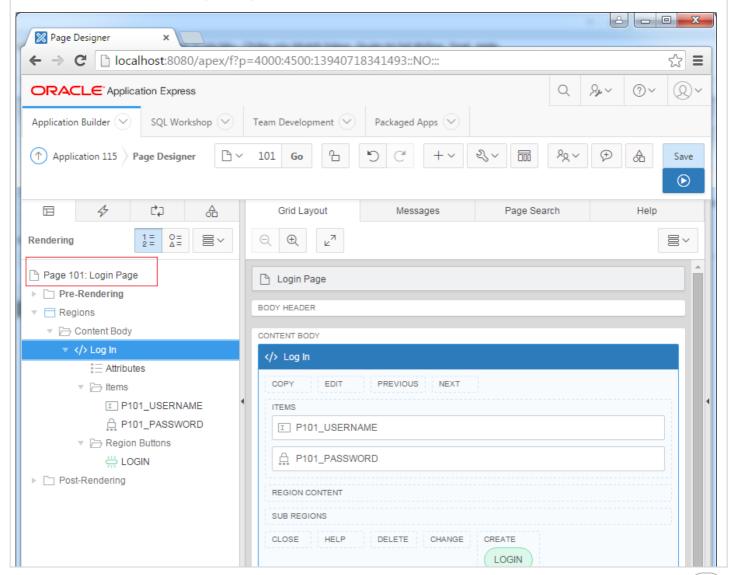


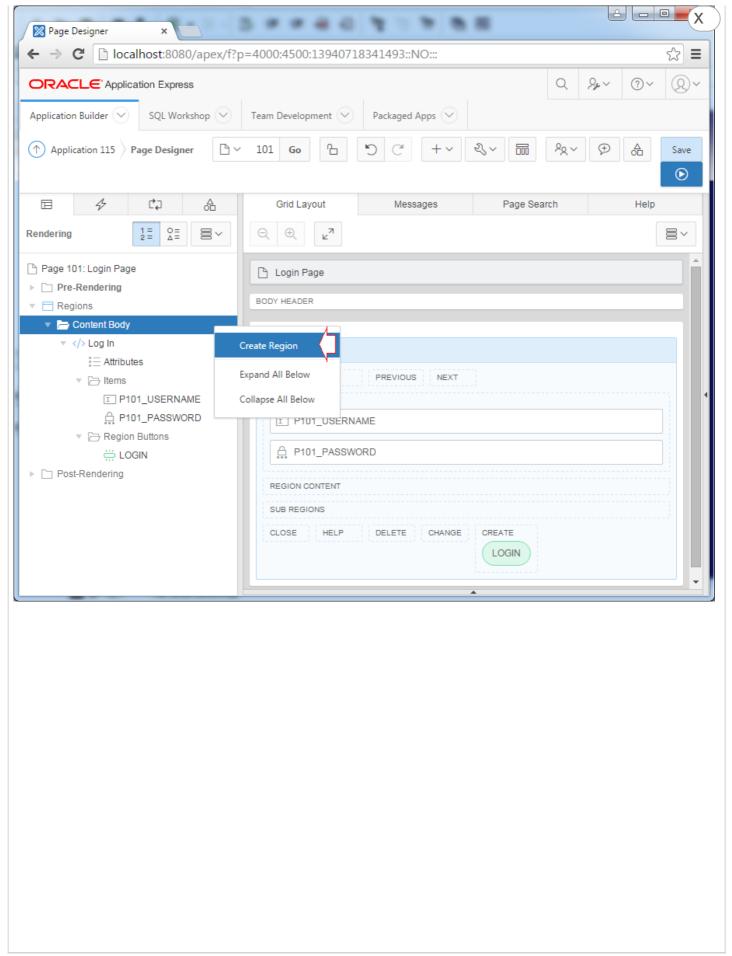


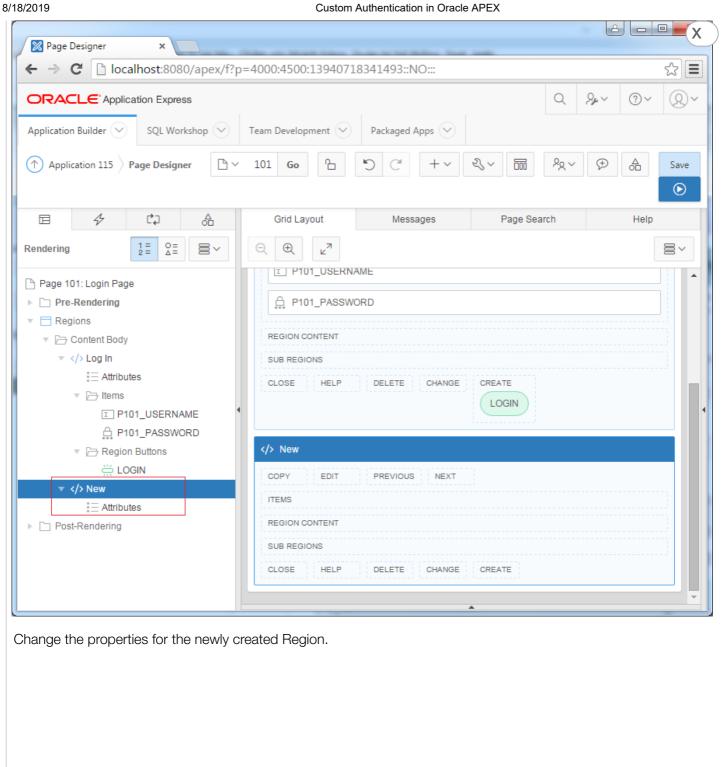
5- Custom Authentication



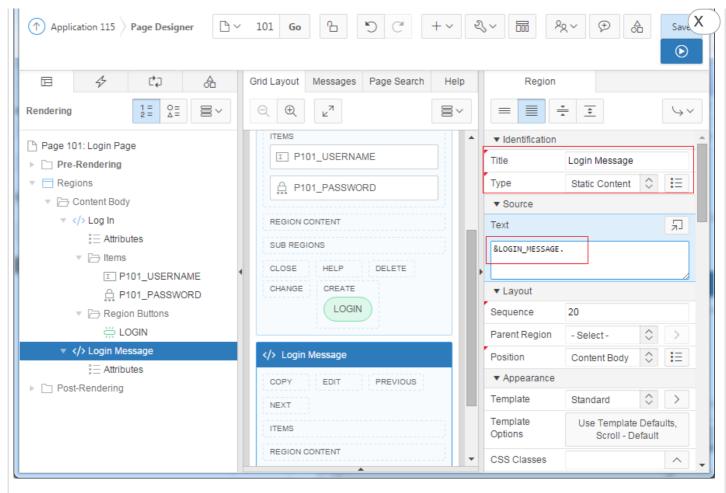
Open LOGIN page in APEX Page Designer:



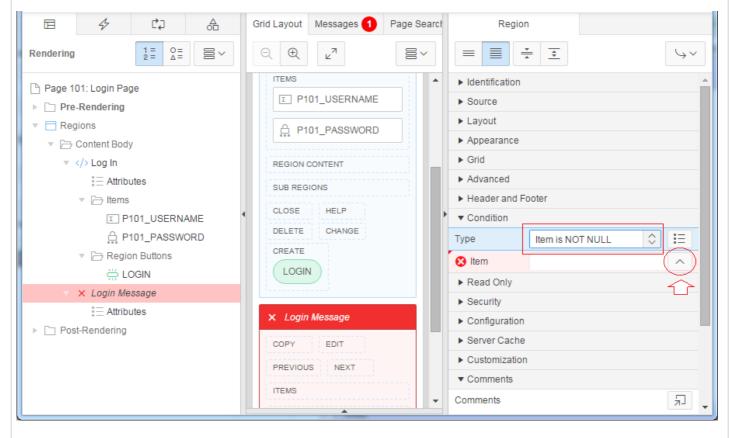




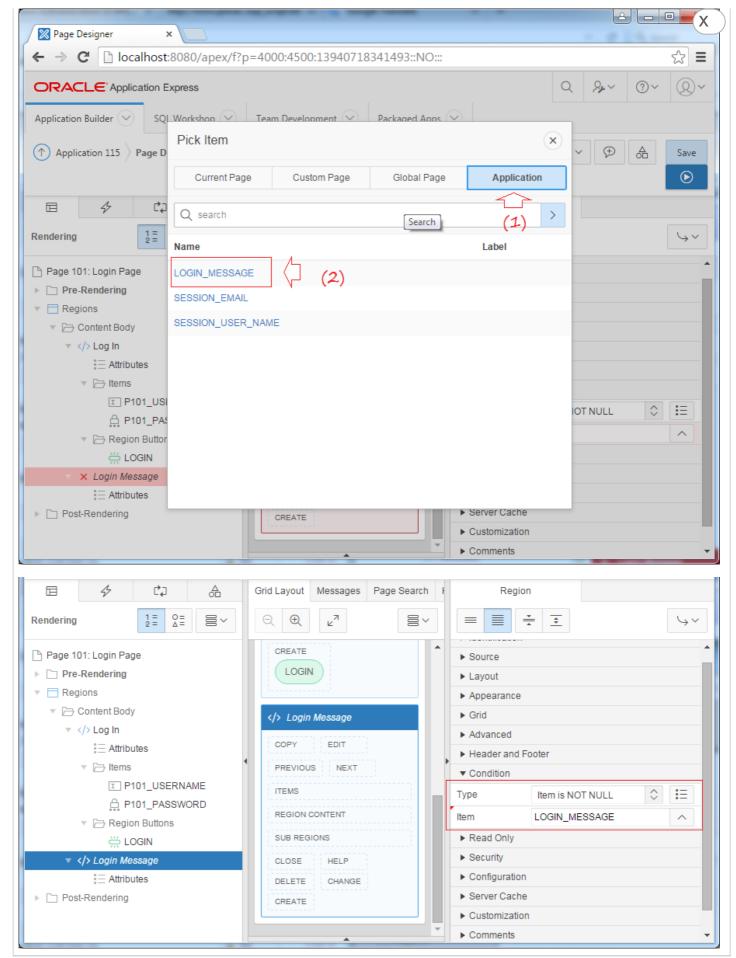




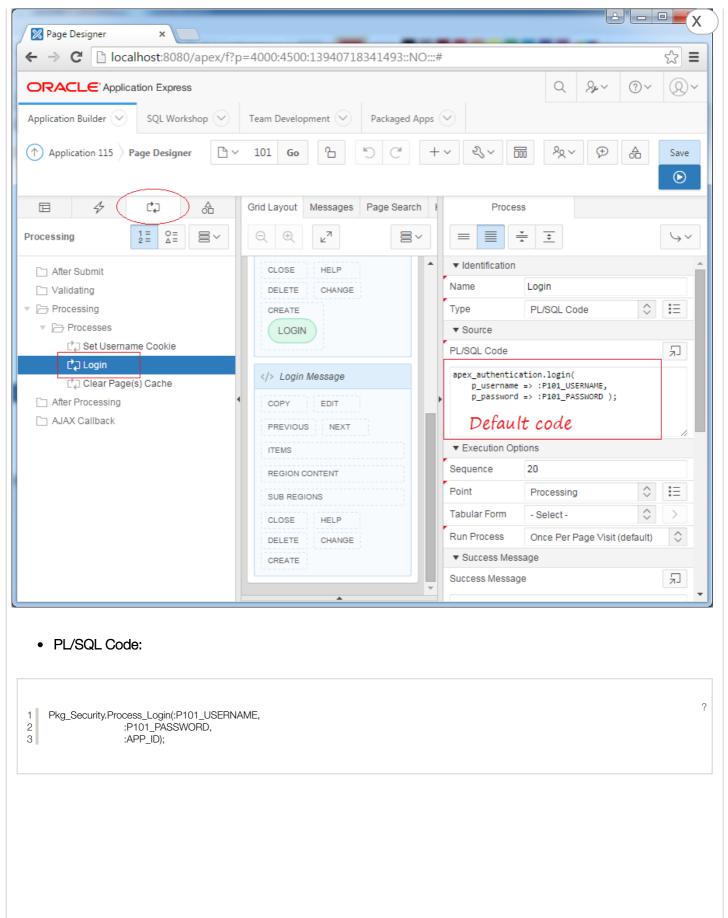
Set display conditions for this Region.

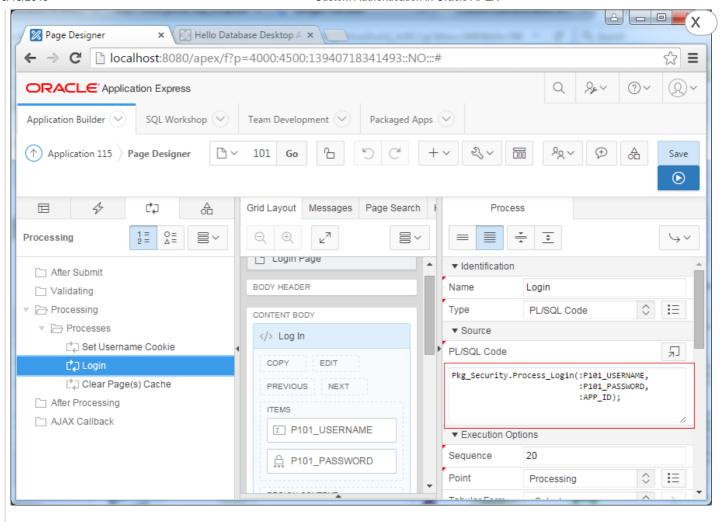




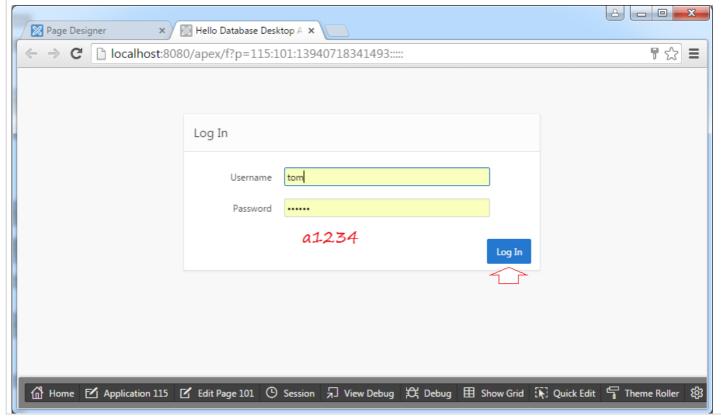


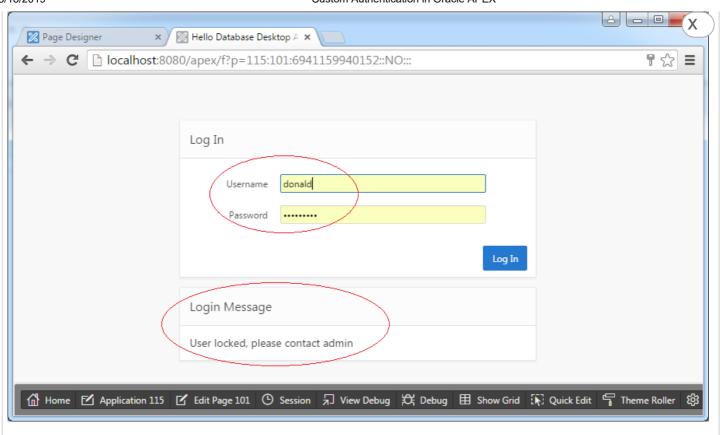






Save and running your apps:





View more Tutorials:

Oracle APEX Tutorials

⊗ ezoic

report this ad

Oracle APEX Tutorials



- Oracle APEX Tabular Form
- Oracle APEX Master Details
- Custom Authentication in Oracle APEX
- Oracle APEX Dynamic Action
- Create Dynamic Content Region in Oracle APEX (PL/SQL Dynamic Content)
- What is Business Intelligence?
- Installing and configuring Oracle BI 11g



report this ad

Newest Documents

- HTML Hyperlinks
- HTML Lists
- HTML Images
- HTML Tables
- Installing Atom-Beautify
- Starting with HTML
- HTML Editors
- Installing Atom HTML Preview
- Introducing HTML
- Introducing Javascript HTML5 Canvas API





⊗ ezoic

report this ad



o7planning.org

