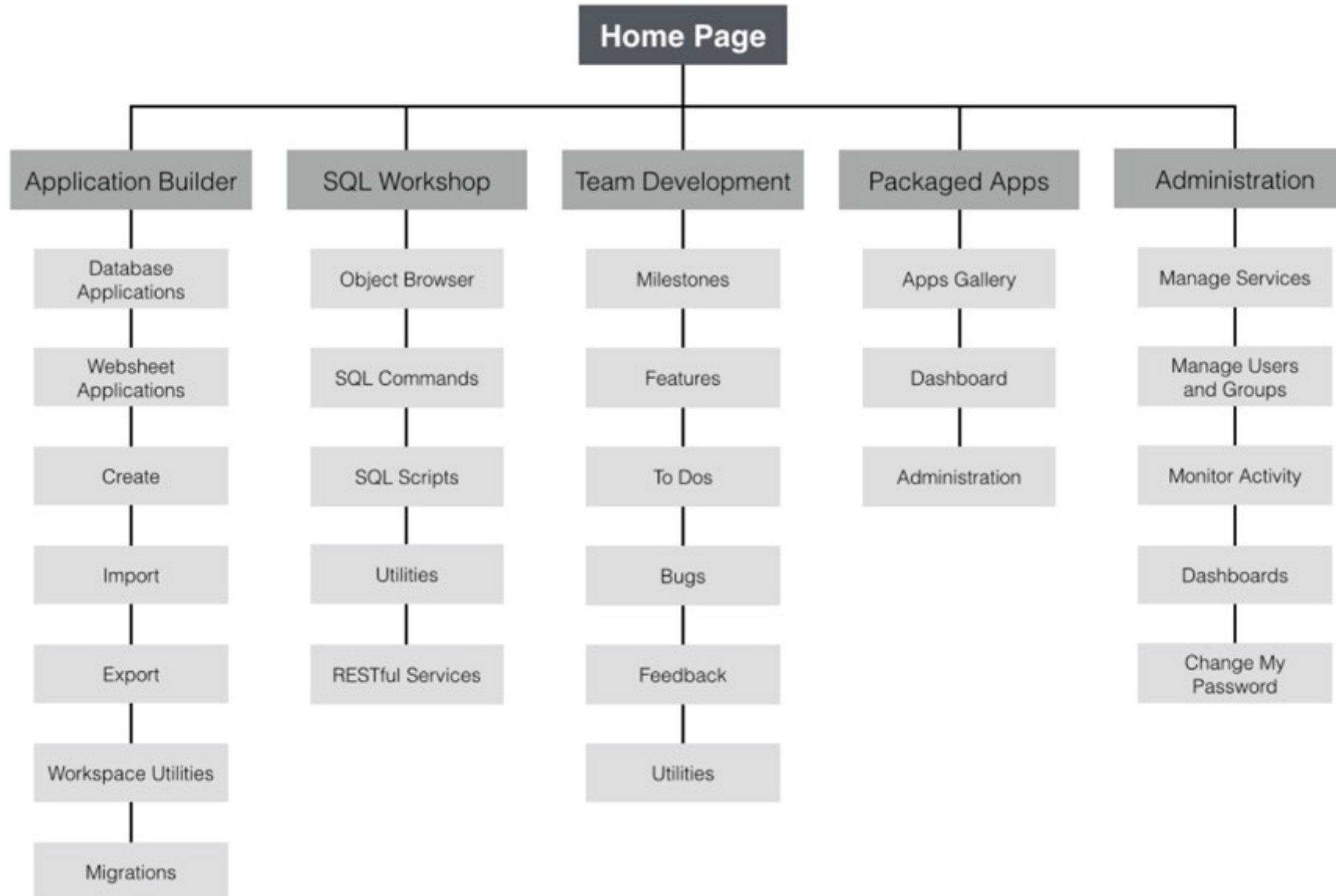


СЪЗДАВАНЕ НА ПРИЛОЖЕНИЕ

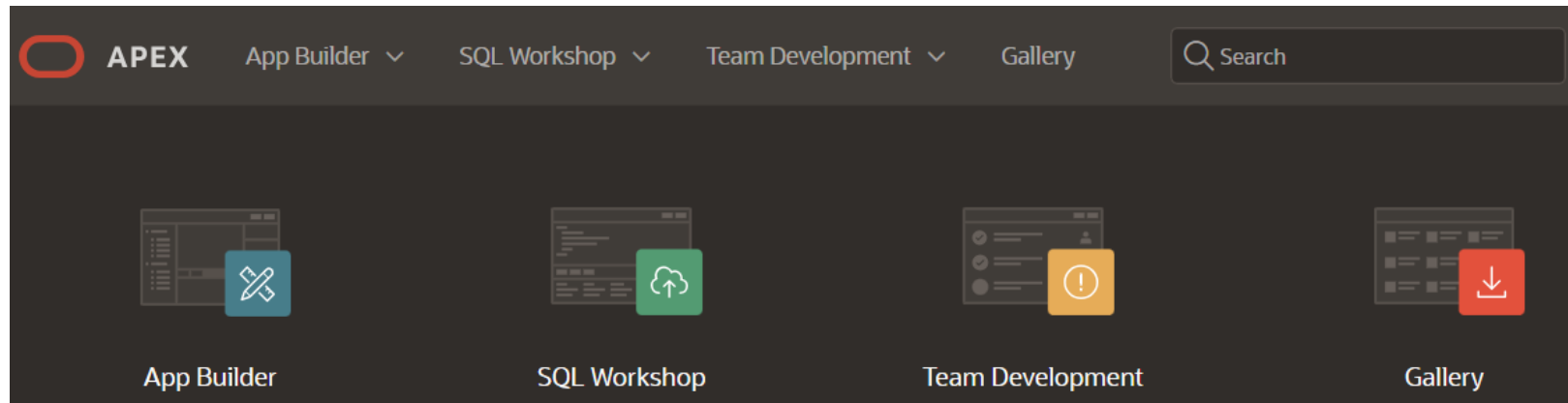
проф.д-р Георги Тупаров
Департамент “Информатика”
INFM210 Тема 2
Пролетен семестър 2023/2024

Арх 5 - Йерархия на менюто

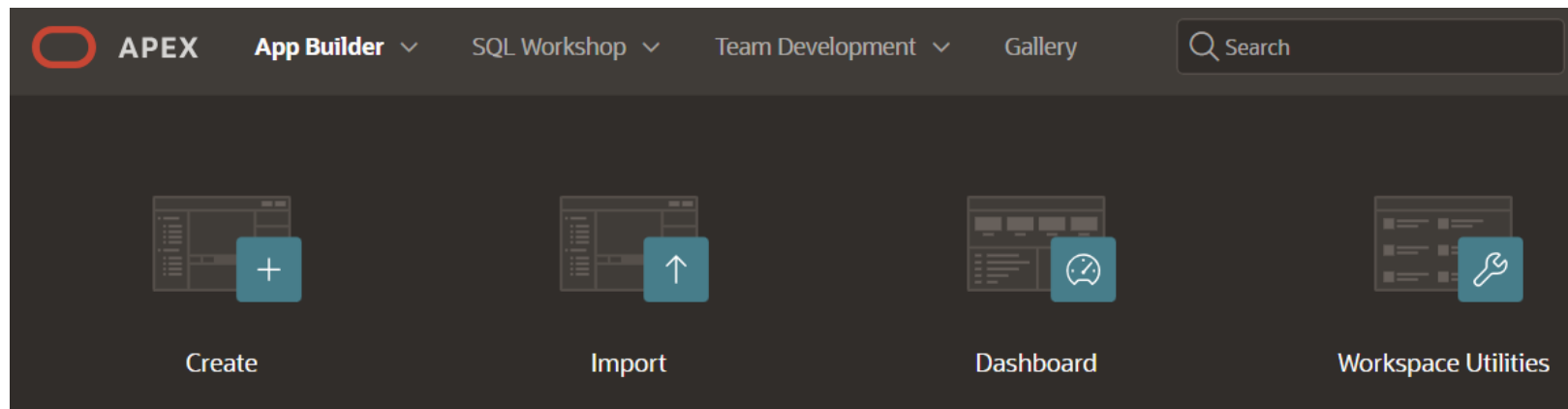


Създаване на приложение (1)

- Изберете Application Builder

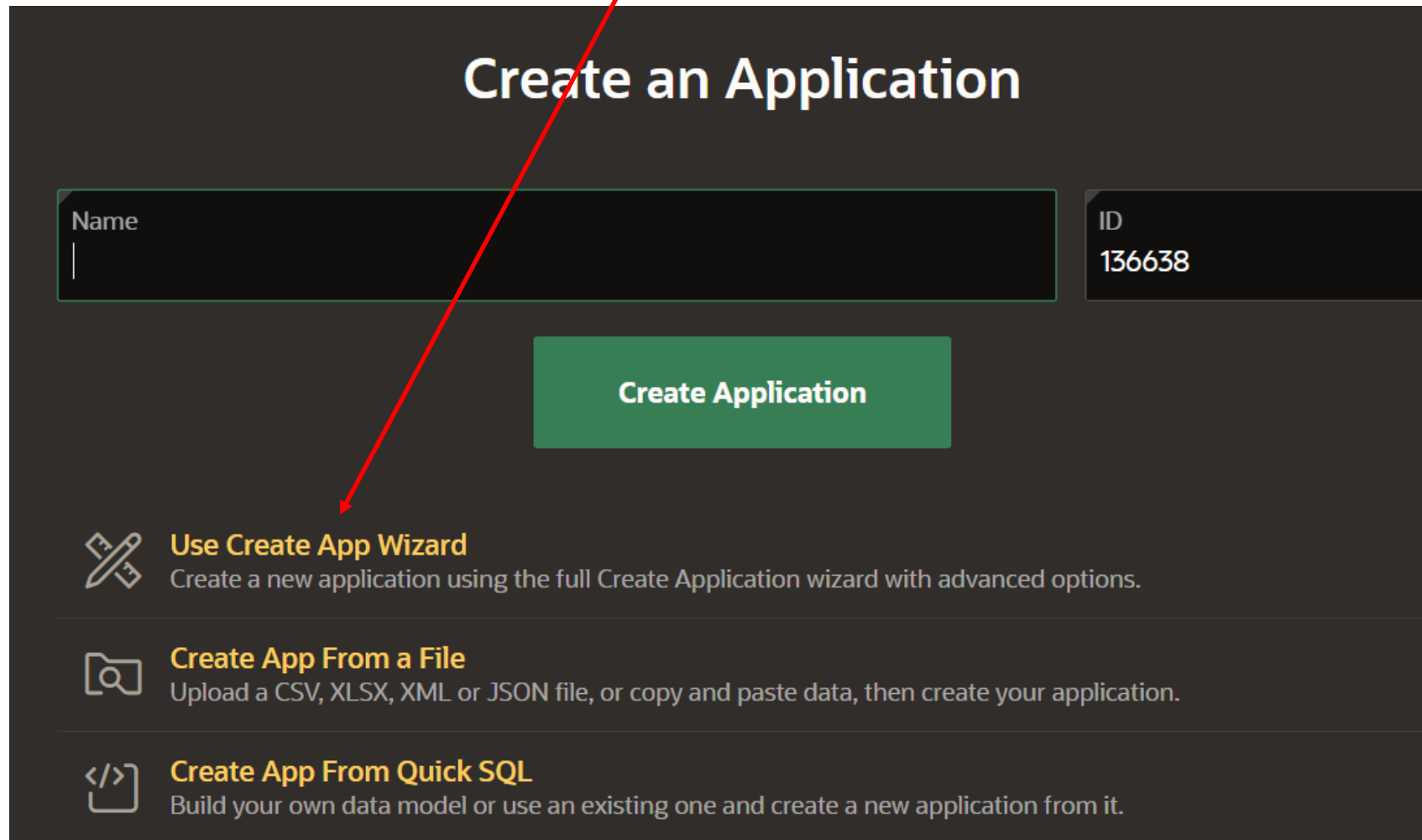


- Изберете Create



Създаване на приложение (2)

- Изберете Use Create App Wizard




The screenshot shows a dark-themed interface for creating an application. At the top, the title "Create an Application" is displayed in white. Below the title, there is a form with two input fields: "Name" and "ID". The "ID" field contains the value "136638". Below the form is a green button labeled "Create Application". At the bottom, there are three options for creating an application, each with an icon and a description. A red arrow points from the "Use Create App Wizard" option to the "Create Application" button.


Create an Application


Name

ID

Create Application

 **Use Create App Wizard**
Create a new application using the full Create Application wizard with advanced options.


 **Create App From a File**
Upload a CSV, XLSX, XML or JSON file, or copy and paste data, then create your application.

 **Create App From Quick SQL**
Build your own data model or use an existing one and create a new application from it.


Създаване на приложение (3)

- Параметри на приложението
- За демо приложението използвайте името **Employee Demo**


Create an Application





Name
Employee Demo


Appearance
Vita, Side Menu 


Pages


 Add Page


 Home Blank 


Features [Check All](#)


☐  **Install Progressive Web App**
Give your app the ability to be installed


☐  **About Page**
Add about this application page

☐  **Access Control**
Enable role-based user authorization

☐  **Activity Reporting**
Include user activity and error reports


☐  **Configuration Options**
Enable or disable application features


☐  **Feedback**
Allow users to provide feedback


☐  **Theme Style Selection**
Update default application look and feel


Settings


Application ID
190034

Schema
GEORGETT 

Authentication
Oracle APEX Accounts 

Language
English (en) 

Advanced Settings 

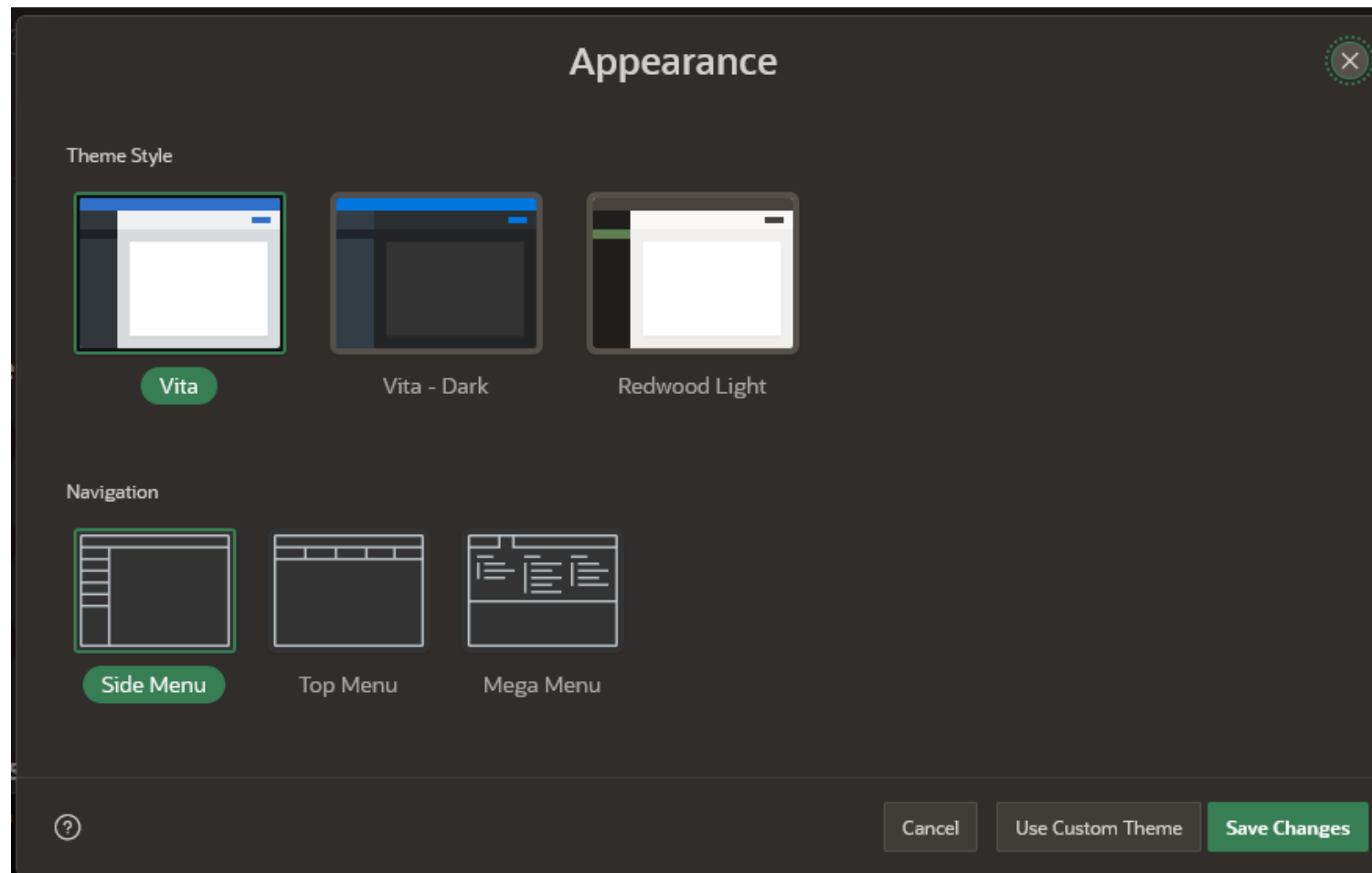
User Interface Defaults 

Cancel

Create Application

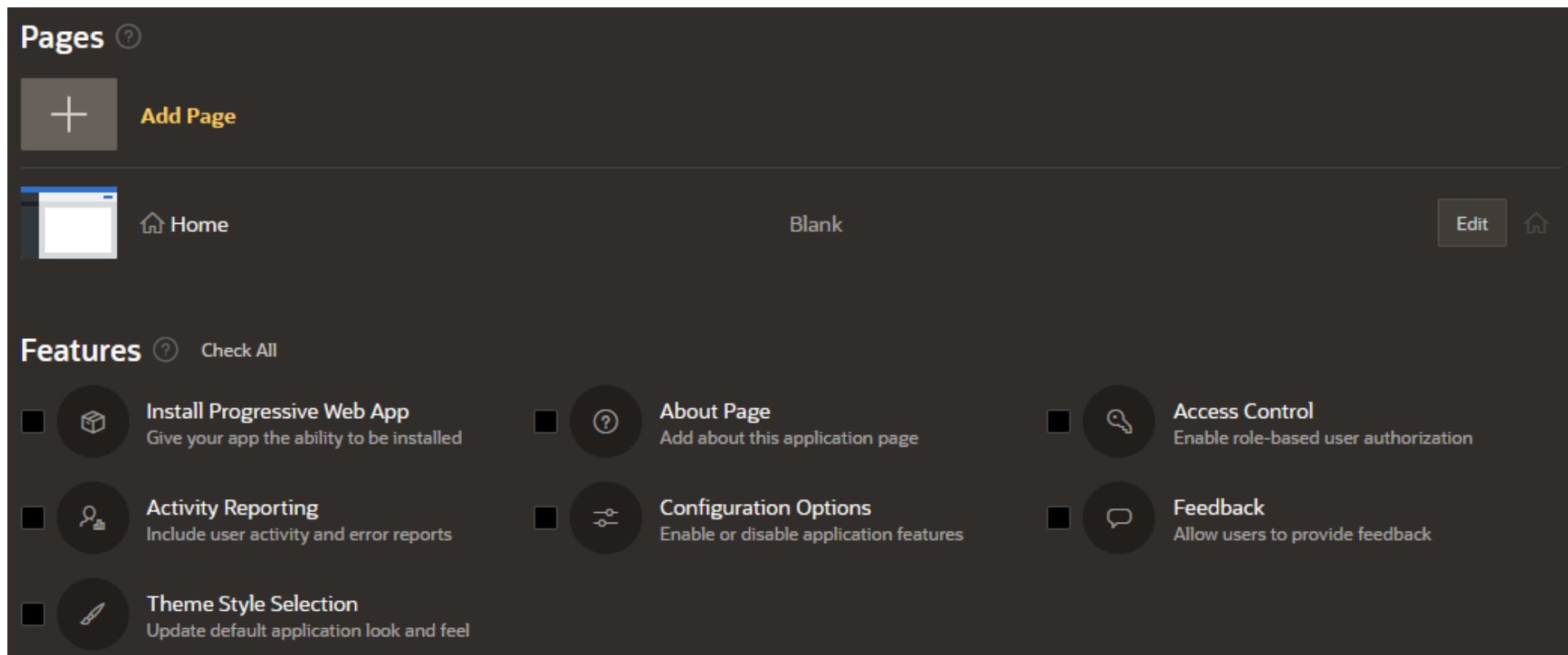
Създаване на приложение (4)

- Избор на тема и структура на менюто



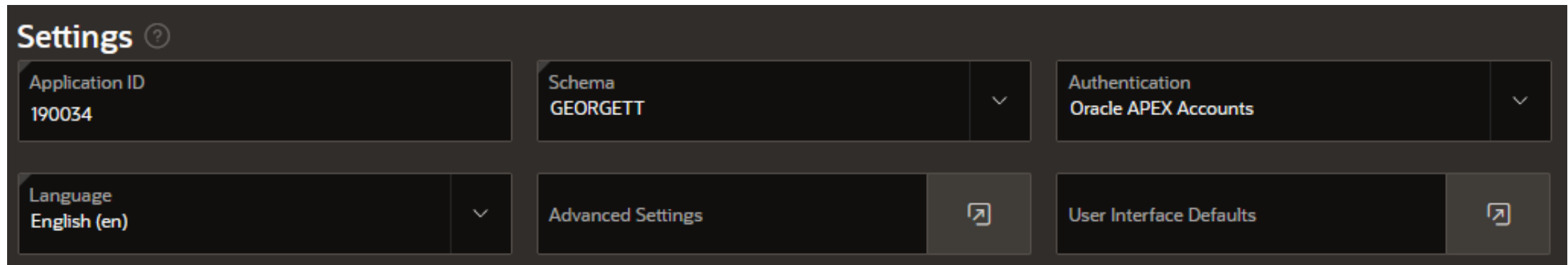
Създаване на приложение (5)

- Служебно се създава поне една страница.
- Можете да добавите и ваши.



Създаване на приложение (6)

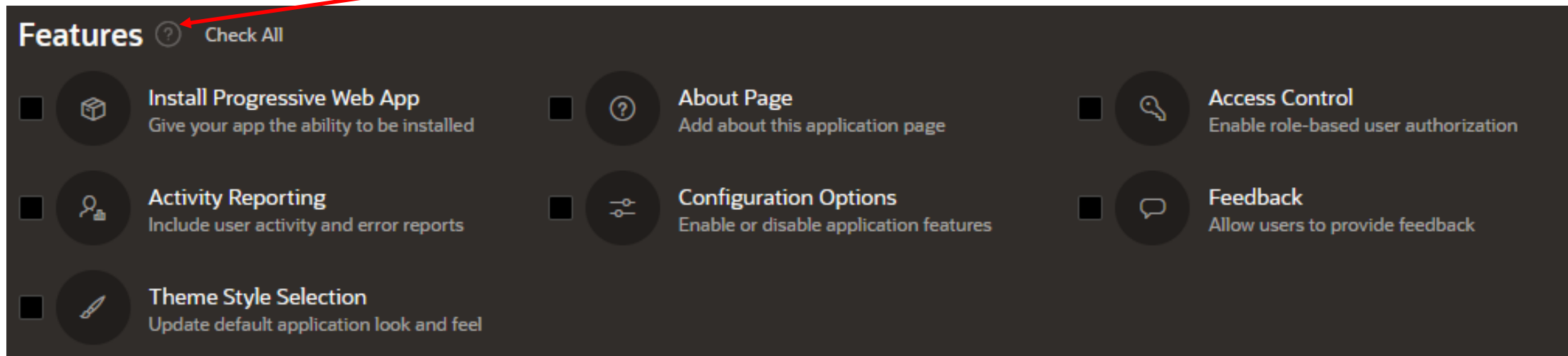
- От зоната **Settings** могат да се изберат допълнителни настройки



- Метод за аутентикация на потребителите:
 - Oracle APEX Accounts:** Използват се потребителите дефинирани в APEX workspace.
 - Database Account:** Използват се потребители на Oracle Database
- Advanced Settings** – настройки на приложението – изглед, използване на елементи от съществуващо приложение и др.

Създаване на приложение (7)

- От зоната **Features** се избират допълнителни функционалности. Описанието им е достъпно от тук.



Създаване на приложение (8)

- Създаденото приложение – вашето ще бъде с друго ID

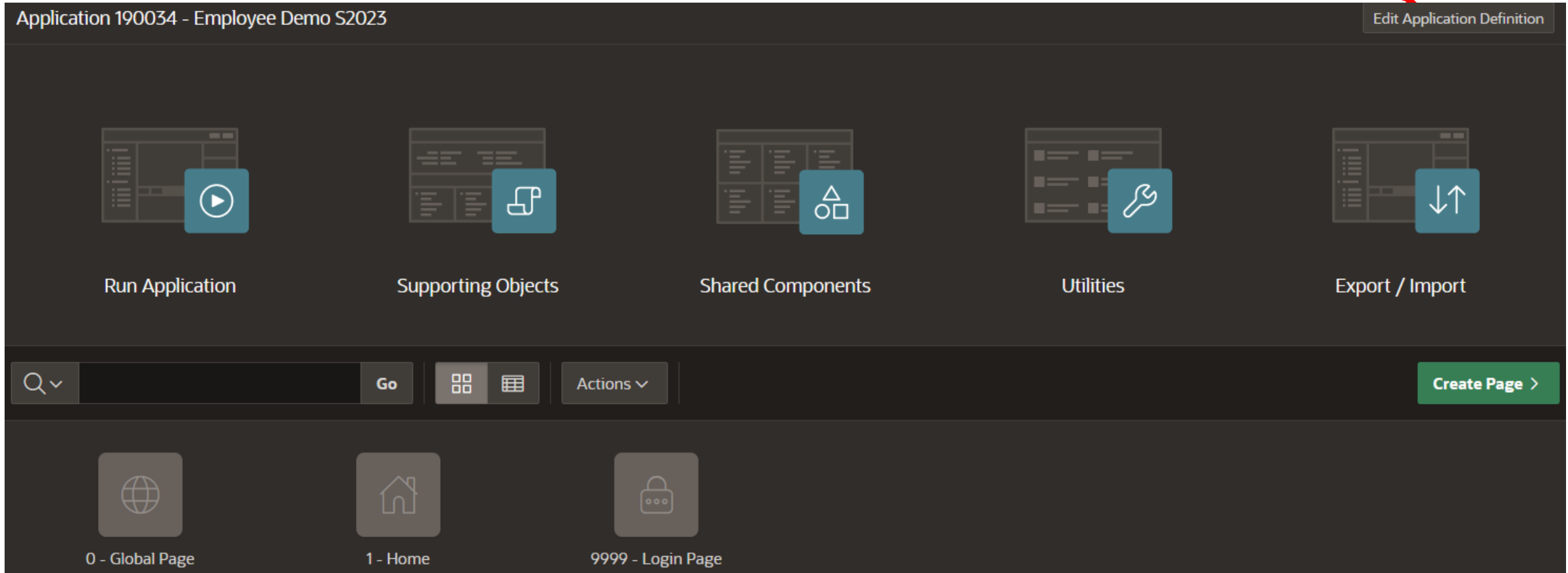
The screenshot displays a dark-themed user interface for managing applications. At the top, there are four main action buttons: 'Create' (with a plus icon), 'Import' (with an upward arrow icon), 'Dashboard' (with a clock icon), and 'Workspace Utilities' (with a wrench icon). Below these is a search bar with a magnifying glass icon, a 'Go' button, and a view toggle switch between a grid and a table. To the right of the search bar are 'Actions' and 'Reset' buttons, and a green 'Create >' button. The main content area features a table with the following data:

Application	Name	Pages	Updated By	Updated	Run
118825	Employee Demo	3	georgett	4 days ago	

In the bottom right corner, there is a pagination indicator '1 - 1'.

Настройки на приложението (1)

- Щракнете върху **Edit Application Definition**



Настройки на приложението (2)

- **Name** секция на настройките

Definition Security Globalization User Interface Progressive Web App

Application 190034 Cancel Delete Apply Changes

Show All **Name** Properties Availability Error Handling Global Notification Substitutions Build Options Report Printing Copyright Banner

Name

Application 190034 ?

* Name Employee Demo S2023 ?

Application Alias EMPLOYEE-DEMO-S2023 ?

* Version Release 1.0 ?

Application Group - Unassigned - ?

Настройки на приложението (3)

- **Properties** секция на настройките

The screenshot shows the Oracle APEX configuration interface for Application 190034. The top navigation bar includes tabs for Definition, Security, Globalization, User Interface, and Progressive Web App. The main header displays the application name and buttons for Cancel, Delete, and Apply Changes. Below the header, a sub-navigation bar lists various configuration categories, with Properties currently selected. The Properties section contains several settings:

- Friendly URLs: ☒ ?
- Allow Feedback: ☒ ?
- Logging: ☒ ?
- Debugging: ☒ ?
- Compatibility Mode: 21.2 / 22.1 / 22.2 ?
- Application Email From Address: ?
- Proxy Server: ?
- Oracle Text Function: ?
- Tokenize Row Search: ☒ ?

Настройки на приложението (4)

- **Availability** секция на настройките

The screenshot shows a web application settings interface. At the top, there are tabs for 'Definition', 'Security', 'Globalization', 'User Interface', and 'Progressive Web App'. Below these, the title 'Application 190034' is displayed, followed by 'Cancel', 'Delete', and 'Apply Changes' buttons. A horizontal menu contains 'Show All', 'Name', 'Properties', 'Availability' (which is selected and underlined), 'Error Handling', 'Global Notification', 'Substitutions', 'Build Options', 'Report Printing', and 'Copyright Banner'. The 'Availability' section is active, showing a 'Status' dropdown set to 'Available with Developer Toolbar' and a 'Build Status' dropdown set to 'Run and Build Application'. Below these are two text input fields: 'Message for unavailable application' containing 'This application is currently unavailable at this time.' and 'Restrict to comma separated user list (status must equal Restricted Access)' which is currently empty. Each input field has a help icon (question mark in a circle) to its right.

Definition Security Globalization User Interface Progressive Web App

Application 190034 Cancel Delete Apply Changes

Show All Name Properties Availability Error Handling Global Notification Substitutions Build Options Report Printing Copyright Banner

Availability

Status Available with Developer Toolbar ?

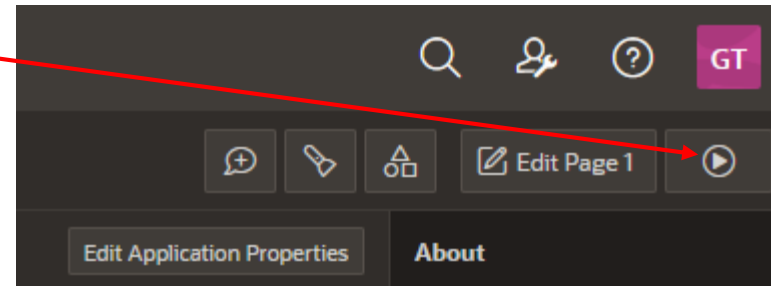
Build Status Run and Build Application ?

Message for unavailable application This application is currently unavailable at this time. ?

Restrict to comma separated user list (status must equal Restricted Access) ?

Стартиране на приложението

- В горния десен ъгъл с бутона



- Директно от браузера с URL

<https://apex.oracle.com/pls/apex/f?p=91392:1>

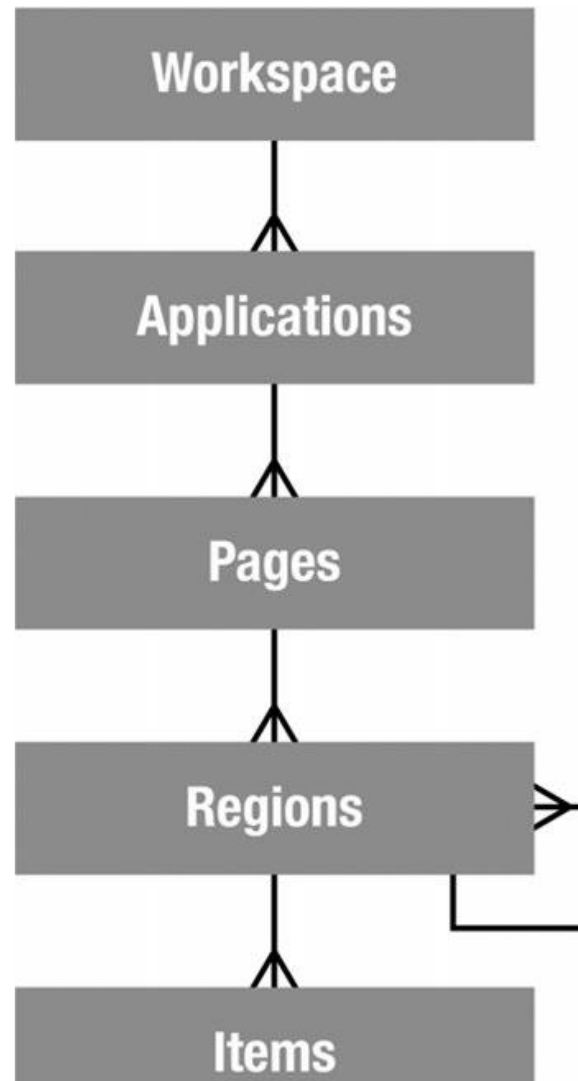
ID на приложението

<https://apex.oracle.com/pls/apex/r/georgett/employee-demo-s2024>

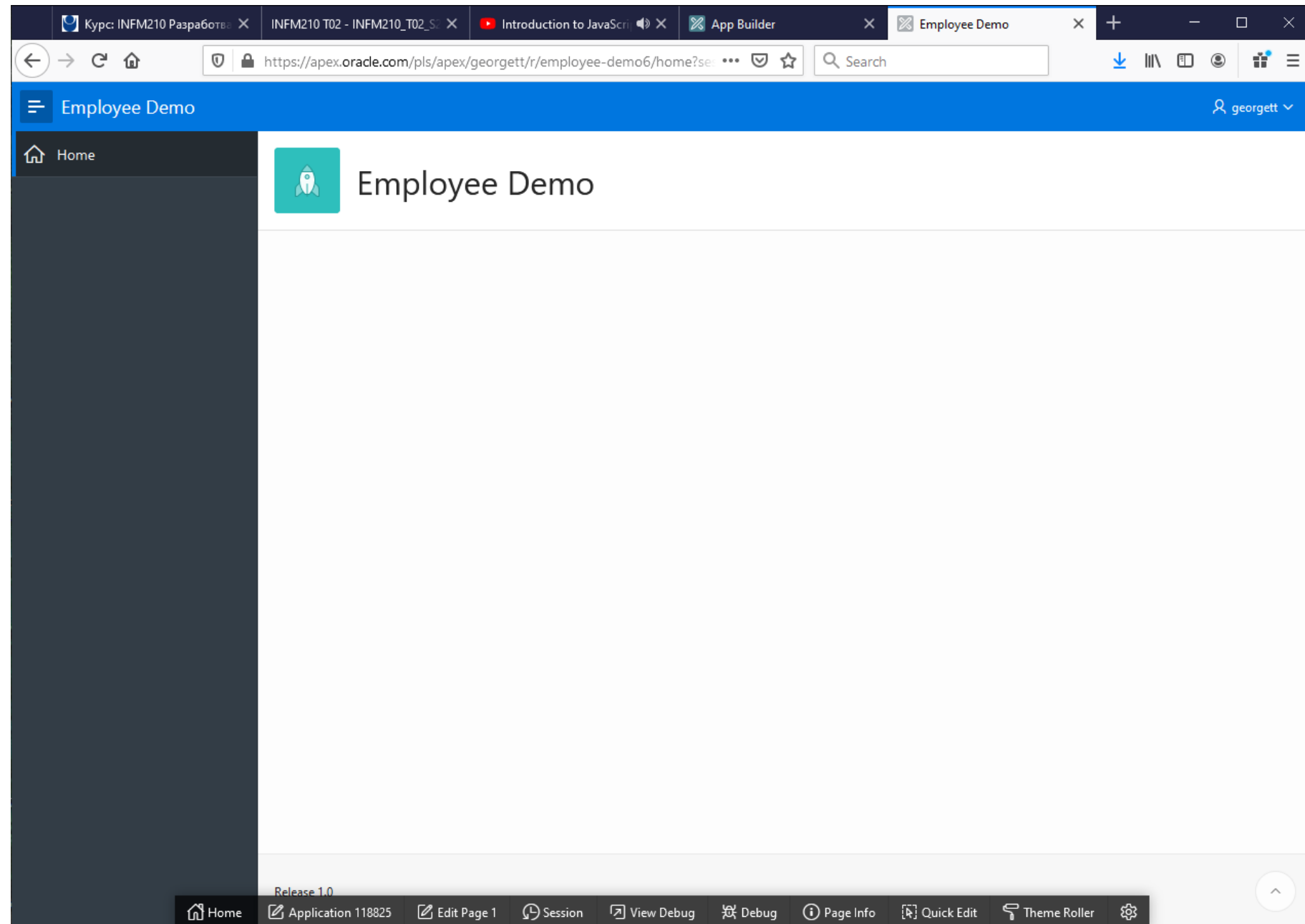
Името на workspace на приложението
(вашия, вижте слайд 12)

Application Alias
(вижте слайд 12)

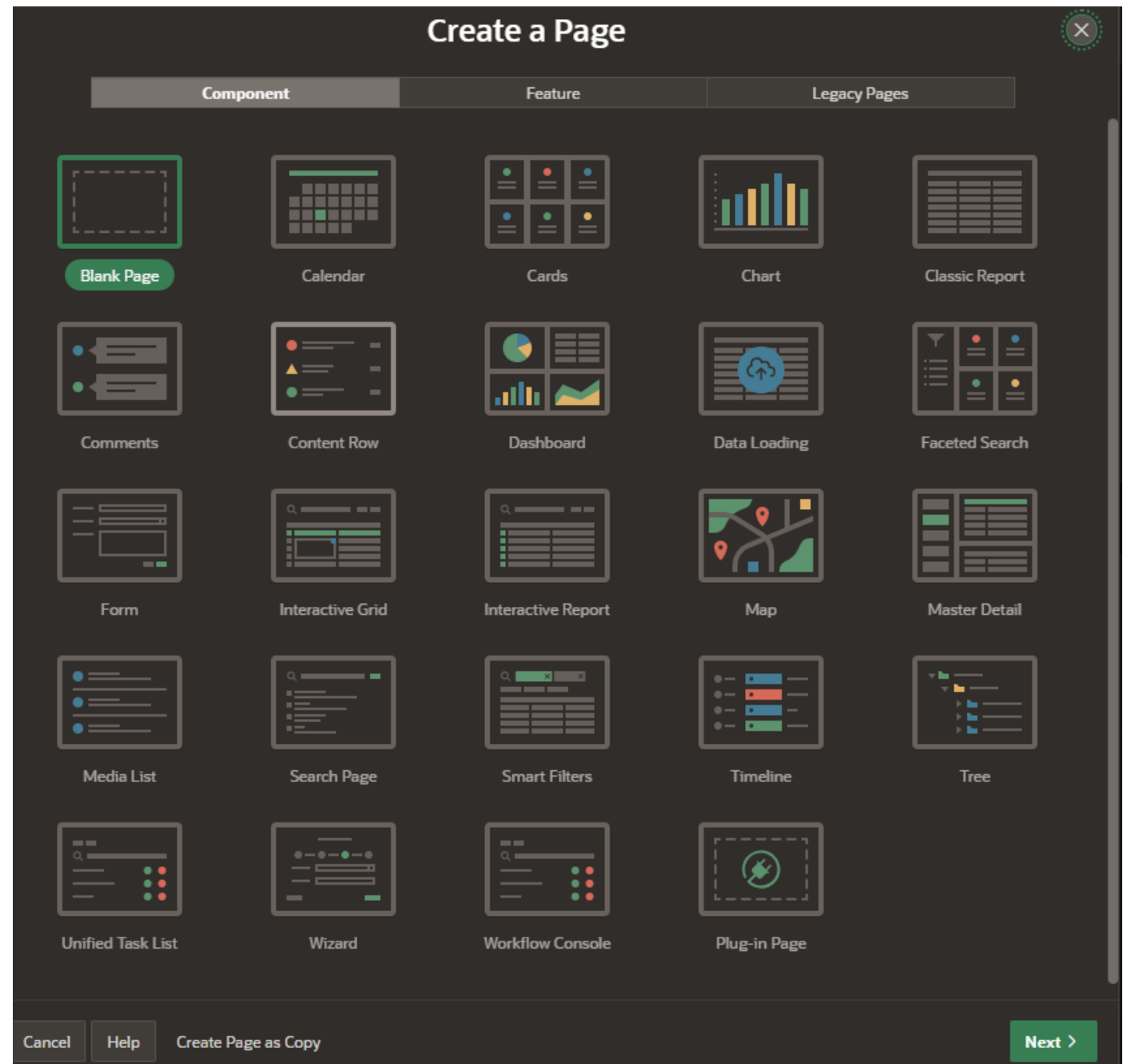
Йерархия на приложението



Стартиране на приложението (2)



Създаване на страница - Component (1)



Създаване на страница - Component (2)

Create Blank Page

Page Definition

* Page Number

2

?

* Name

Region Practice

?

Page Mode

Normal

Modal Dialog

Drawer

?

▼

Navigation

Use Breadcrumb

☒

?

Breadcrumb Parent Entry

▼

?

Use Navigation

☒

?

Navigation Preference

Create a new entry

▼

?

Parent Navigation Menu Entry

- No parent selected -

▼

?

Icon

fa-file-o

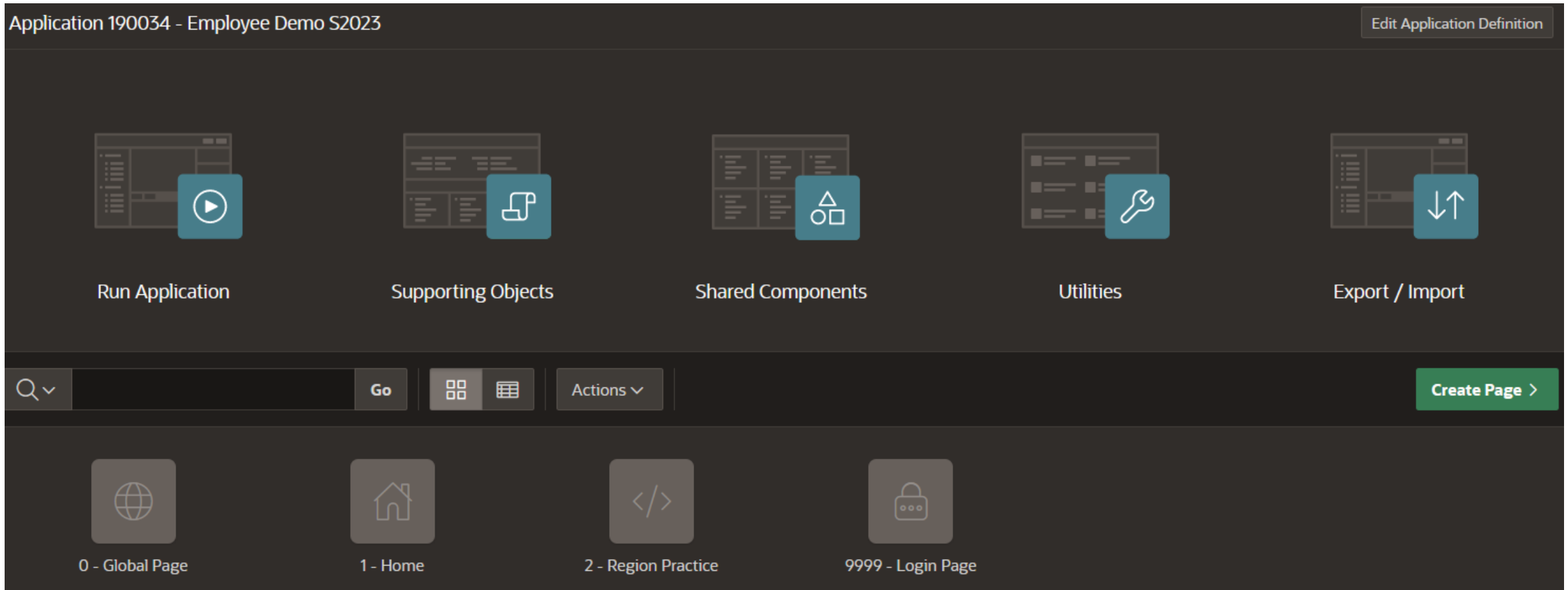
?

<

Cancel

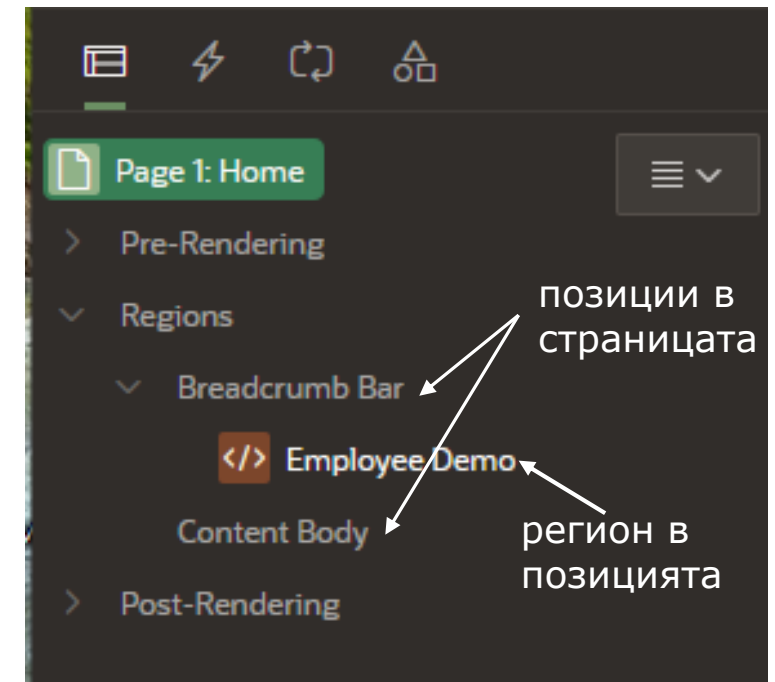
Create Page

Създаване на страница - Component (3)



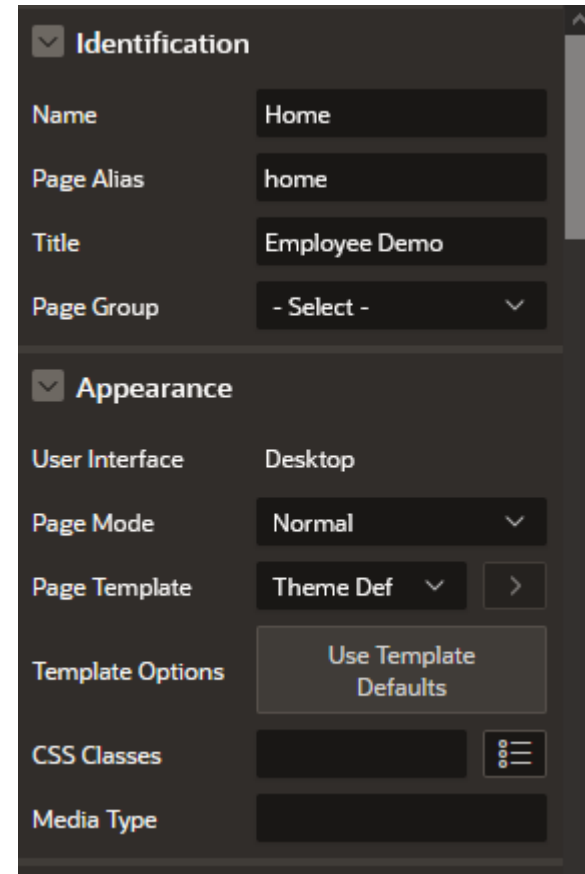
Page Designer -> Page Rendering

- Page Rendering показва компонентите, които определят външния вид на страницата.
- Тези компоненти се показват като дърво. Коренът на дървото означава страницата.
- То има три дъщерни възела, съответстващи на трите етапа на изобразяване на страницата:
 - **pre-rendering**, в който компонентите се инициализират;
 - **regions (региони)**, в които се визуализират компонентите на страницата;
 - **post-rendering**, когато се извършват дейности след визуализирането.



Page Designer -> Property Editor

- **Property Editor** е десният панел на **Page Designer**.
- Неговата роля е да показва свойства на компонента на страницата, който е избран в левия панел (**Page 1: Home**).



The screenshot displays the Property Editor panel, which is organized into two main sections: Identification and Appearance. The Identification section includes fields for Name (set to 'Home'), Page Alias (set to 'home'), Title (set to 'Employee Demo'), and Page Group (set to '- Select -'). The Appearance section includes fields for User Interface (set to 'Desktop'), Page Mode (set to 'Normal'), Page Template (set to 'Theme Def'), and a button for 'Use Template Defaults'. Additionally, there are fields for CSS Classes and Media Type, each with a corresponding icon button.

Identification	
Name	Home
Page Alias	home
Title	Employee Demo
Page Group	- Select -

Appearance	
User Interface	Desktop
Page Mode	Normal
Page Template	Theme Def
Template Options	Use Template Defaults
CSS Classes	
Media Type	

Page Designer -> Property Editor -> Page Mode

- **Normal** - браузерът показва нормална страница, замествайки каквато и да е предишна страница.
- **Modal** - съответства на диалогов прозорец. Отваря се върху текущата нормална страница и не позволява на потребителя да прави нищо друго, докато не бъде затворена.
- **Non-Modal** - отваря се в нов прозорец на браузъра. Това обикновено са спомагателни страници. Те могат да стоят отворени без да влияят на визуализацията или работата с други страници.

Задача

- Стартирайте приложението от към run-time страната и се логвайте в него.
- Променете Page Mode на страницата Employee Demo последователно на Normal, Modal и Non-Modal, като след всяка промяна на режима на визуализация, стартирайте страницата от run-time страната.
- Вижте разликите при визуализация.
- Накрая установете режима на страницата на Normal.

Благодаря за вниманието!



Въпроси?