



UNIVERSAL THEME

Tips & Tweaks


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listopad 2019., HROUG






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 @mgoricki

- 10+ godina rada s APEX-om 🥰
- HROUG, SIOUG, MakeIT, KSCOPE, APEX World, APEX Alpe Adria, APEX Connect
- APEX blog apexbyg.blogspot.com
- apex.world Member of the Year 2017.
- 

BLOG

SENSIBLE SOFTWARE ARCHITECTURE

- IT tvrtka fokusirana na savjetovanje i razvoj poslovnih rješenja
- tehnološki fokus - Oracle (APEX)
- APEX - razvoj, savjetovanje, edukacije, migracije, pluginovi...
- APEX solutions - HR management software

ā'pěks alpe adria

Call for Papers Tickets

APEX Alpe Adria

24.04.2020

A regional Oracle APEX conference for everyone
#aaapeks20

Photo (c) Tourismdestination Maribor-Pohorje: www.visitmaribor.si

About the Conference

APEX Alpe Adria is a co-project of APEX enthusiasts of three countries: Slovenia, Croatia, Austria. Together we saw the need for an APEX event in the region. Of course we welcome attendees from just about everywhere.

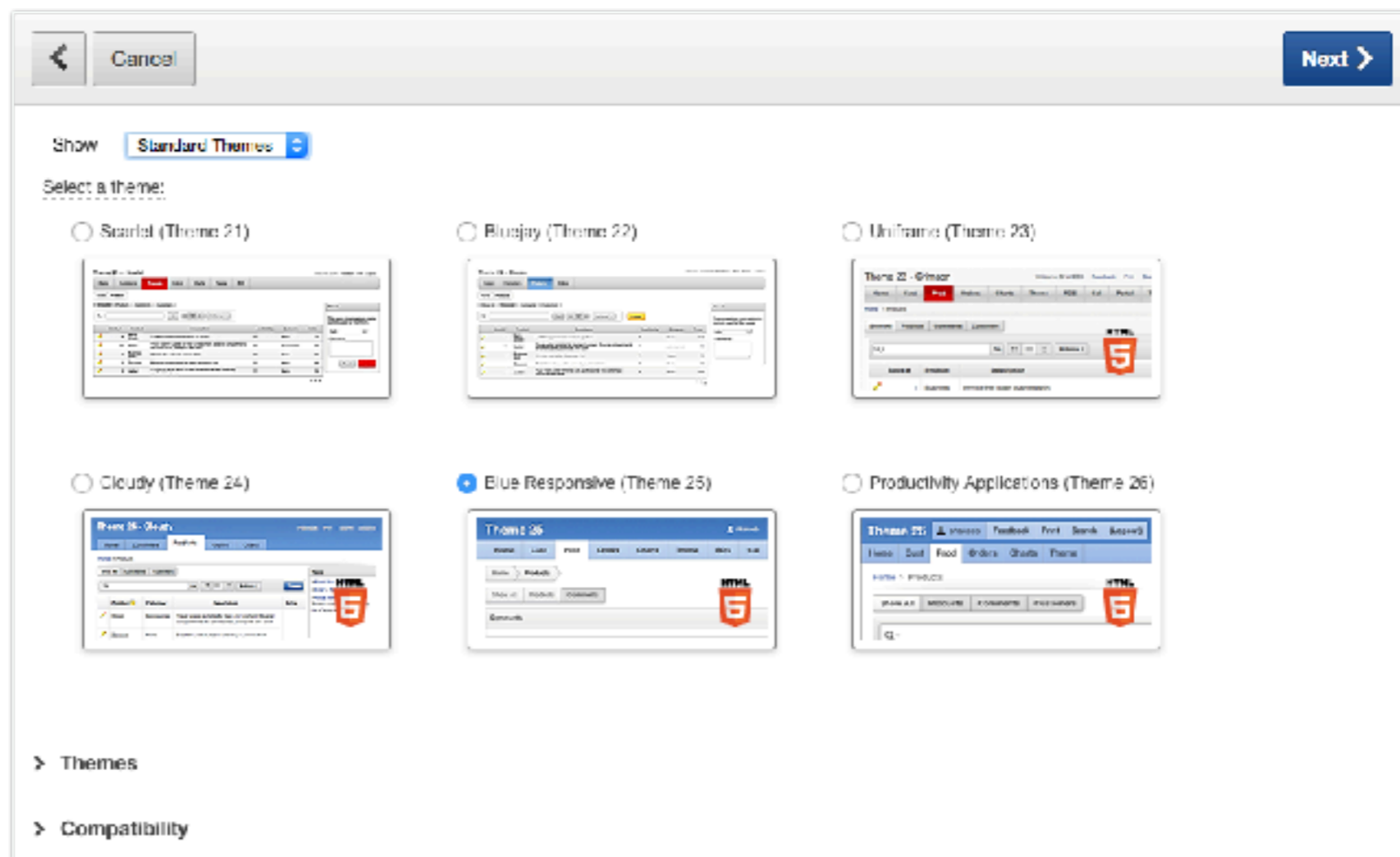
Our [first conference in 2018](#) was a blazing success with 190 signed up attendees, the [second edition in 2019](#) raised the bar to 280 attendees!

<https://www.aaapeks.info>

Prije UT-a



#1 Puno različitih tema



#2 Puno različitih predložaka

ORACLE Application Express

Application 114 \ Shared Components \ Templates

Templates Subscription Publish Utilization History

Type ↑	Name	References	Updated	Updated By	Default	Theme	Copy
Breadcrumb	Breadcrumb Menu	2			✓	28	📄
Breadcrumb	Hierarchical Menu	0				28	📄
Button	Button	2			✓	28	📄
Button	HTML button (legacy - APEX 6 migration)	0				28	📄
Button	Interactive Report Button	0				28	📄
Button	Interactive Report Button (Next)	0				28	📄
Button	Large Button	0				28	📄
Button	Large Button (Next)	0				28	📄
Button	Large Button (Previous)	0				28	📄
Button	Small Button	0				28	📄
Button	[+] Add Button	0				28	📄
Button	[>] Go To Button	0				28	📄
Button	[Text] Button	0				28	📄
Label	Hidden label, read by screen reader	0				28	📄
Label	No Label	0				28	📄
Label	Optional	1			✓	28	📄
Label	Optional with help	0				28	📄
Label	Required	0				28	📄
Label	Required with help	0				28	📄
Legacy Calendar	Calendar	1			✓	28	📄
Legacy Calendar	Calendar - Alternative	0				28	📄
Legacy Calendar	Small Calendar	0				28	📄
List	Button List	0				28	📄
List	DHTML Tree	0				28	📄

Templates

The Application Express engine constructs the appearance of each page in an application using Templates. Templates define how pages, page controls, and page components display.

To edit template attributes, select the template name. To preview a template, click the Run icon.

Tasks

- Replace templates in this application with templates from another application.
- View page template region position utilization
- Theme Reports
- Replace Templates
- Unsubscribe Templates

#2
Puno različitih
predložaka

Button Template

```
1 <a href="#LINK#" class="uButton" #BUTTON_CSS_CLASSES# id="#BUTTON_ID#" #BUTTON_ATTRIBUTES# role="button"><span>#LABEL#</span></a>
```

Large Button Template

```
1 <a href="#LINK#" class="uButtonLarge" #BUTTON_CSS_CLASSES# id="#BUTTON_ID#" #BUTTON_ATTRIBUTES# role="button"><span>#LABEL#</span></a>
```

Small Button Template

```
1 <a href="#LINK#" class="uButtonSmall" #BUTTON_CSS_CLASSES# id="#BUTTON_ID#" #BUTTON_ATTRIBUTES# role="button"><span>#LABEL#</span></a>
```


Prilagodba izgleda

Unos osobe Spremi

Ime

Prezime

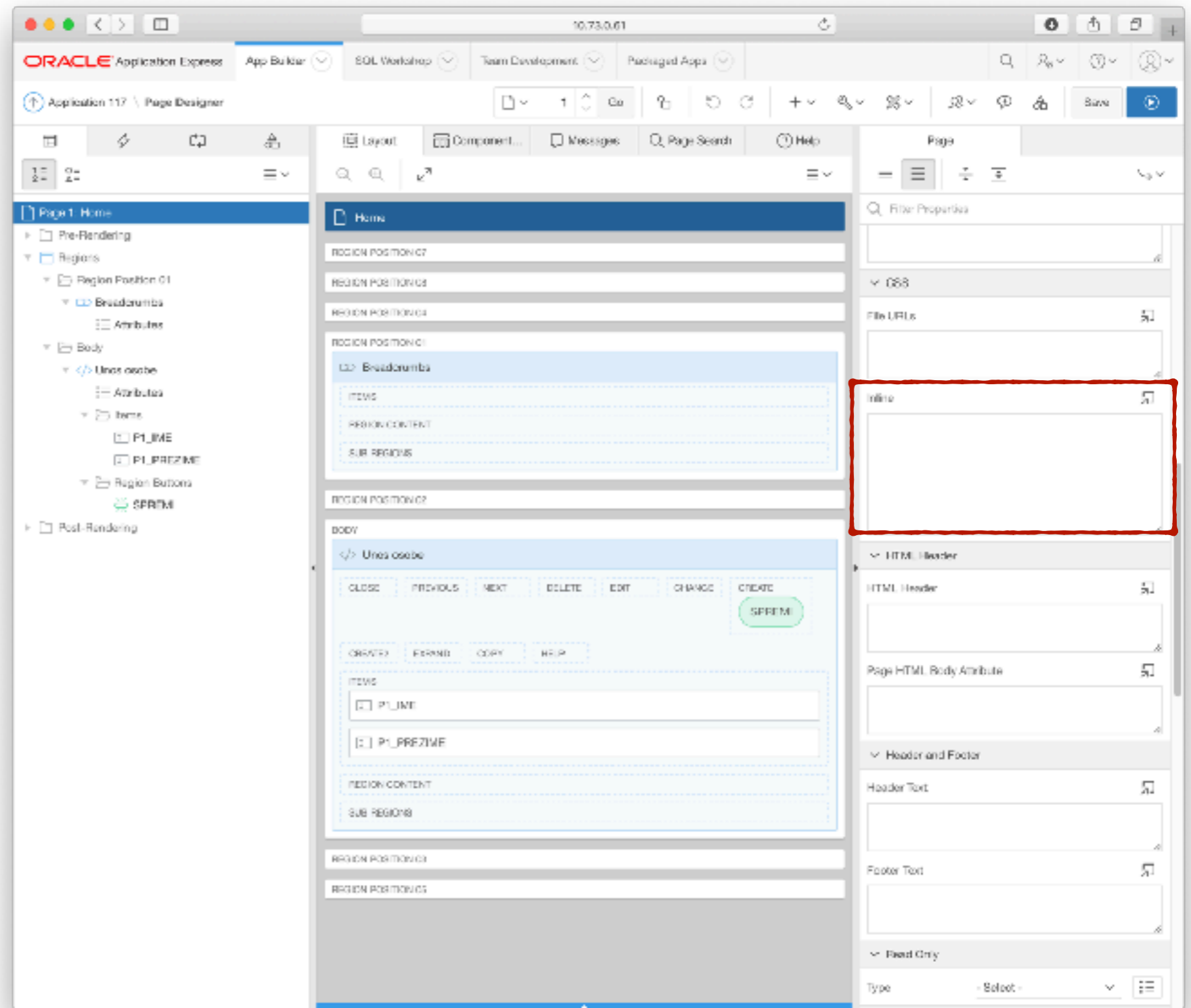
Prilagodba izgleda

Unos osobe Spremi

Ime

Prezime

Prilagodba izgleda
**#1 Inline Page
CSS**



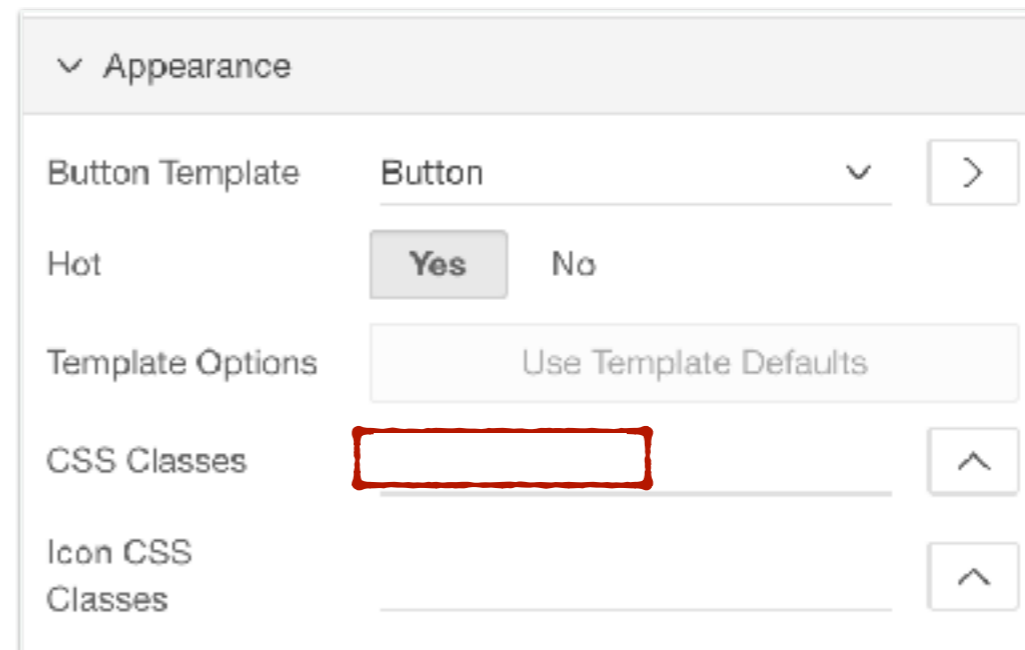


NO

Zašto je *inline* CSS LOŠ?

- povećava veličinu stranica
- nije ponovno iskoristiv
- nije minimiziran
- nema mogućnosti verzioniranja
- lako napraviti grešku
- teško za održavanje
- sporije za razvoj
- nema "keširanja"

Prilagodba izgleda
**#2 CSS klasa +
vanjska CSS
datoteka**



```
custom.css  
# custom.css  
Users > Marko > Dropbox > Konferencije > 2019_HRDUG > other_files > # custom.css > ...  
1 a.uButton.uHotButtonRed {  
2   border: 1px solid #EF5350 !important;  
3   border-bottom: 1px solid #032F2F !important;  
4 }  
5  
6 a.uButton.uHotButtonRed span {  
7   background-image: linear-gradient(#EF5350, #032F2F) !important;  
8 }  
9
```

Prilagodba izgleda
**#3 kreiranje
novog
predloška +
vanjska CSS
datoteka**

Button Templates: 12 of 12 Name: Button Red

Show All	Name	Subscription
----------	------	--------------

Name: Button Red
Identifier: BUTTON_HOT_RED

```
1 <a href="#LINK#" class="uButton uHotButtonRed #BUTTON_CSS_CLASSES#" id="#BUTTON_ID#" #BUTTON_ATTRIBUTES# role="button">  
2 <span>#LABEL#</span>  
3 </a>
```



```
# custom.css  
1 a.uButton.uHotButtonRed {  
2   border: 1px solid #EF5350 !important;  
3   border-bottom: 1px solid #032F2F !important;  
4 }  
5  
6 a.uButton.uHotButtonRed span {  
7   background-image: linear-gradient(#EF5350, #032F2F) !important;  
8 }  
9
```

Problemi prije UT-a

- puno različitih tema i predložaka
- potrebno dobro poznavanje Web tehnologija i APEX-a
- strpljenje u radu s preglednicima



- puno vremena se trošilo na dizajn i probleme s dizajnom



Oracle Application Express

Universal Theme

Create Theme



Modify Theme

A theme is a named collection of templates that defines the application user interface. Each theme contains templates for every type of application component and page control, including individual pages, regions, reports, lists, tables, breadcrumbs, buttons, and list of values. Templates contain HTML and variables that the Application Express engine substitutes with dynamic values at runtime.

Theme Type: All Themes

- Theme:
- Simple Red (Theme 1)
 - Bulder Blue (Theme 2)
 - Midnight Blue (Theme 3)
 - Isaac (Theme 4)
 - Sunrise (Theme 5)
 - Centered Blue (Theme 6)
 - Modern Blue (Theme 7)
 - Orange (Theme 8)
 - Simple Gray (Theme 9)
 - Sand (Theme 10)
 - Green Spring (Theme 11)
 - Slate (Theme 12)
 - Classic Blue (Theme 13)
 - Simple Green (Theme 14)
 - Light Blue (Theme 15)
 - Dark Blue (Theme 16)
 - Sapphire (Theme 17)
 - Simplified Gray (Theme 18)
 - Red Gray (Theme 19)
 - Traditional Blue (Theme 20)
 - Scarlet (Theme 21)
 - Bluejay (Theme 22)
 - Uniframe (Theme 23)
 - Clauzy (Theme 24)
 - Blue Responsive (Theme 25)
 - Productivity Applications (Theme 26)

Next >

ORACLE Application Express App Builder SQL Worksheet Theme Development Page Designer

Application 105 \ Shared Components \ Themes

Themes Reports History

Search Go Actions Facet Switch Theme Create

Number	Name	User Interface	is Current	Subscription Plan	Subscribers	Templates	Page Templates	Region Templates	Button Templates	List Templates
42	Universal Theme - 42	Desktop	✓	Theme Repository		50	1	15	0	11

A Theme is a named collection of templates used to define the user interface of an application.

Tasks

- Copy Theme
- Delete Theme
- Edit Theme
- Import Theme
- Change Notification Number
- Favorite Theme Subscription
- Manage Workspaces Themes

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ORACLE Application Express 19.73.0.01

Application 105 \ Shared Components \ Themes

Themes Reports History

Search Go Actions

Facet Switch Theme Create

Number of Themes	Name	User	Is Default	Description	Subscribed	Thumbnail	Page Templates	Region Templates	Button Templates	List Templates
15									0	11

Tasks

- Copy Theme
- Delete Theme
- Export Theme
- Import Theme
- Change Metadata Number
- Favorite Theme
- Subscribe
- Manage Workspace Themes

Copyright © 1996, 2017, Oracle. All rights reserved. Application Express 19.73.0.01

Create

A theme is a named collection of templates that defines every type of application component and page control, breadcrumb, button, and list of values. Templates can substitute with dynamic values at runtime.

Theme Type All Themes

Themes

- Simple Flat (Theme 1)
- Bulldozer Blue (Theme 2)
- Midnight Blue (Theme 3)
- Isaac (Theme 4)
- Sunrise (Theme 5)
- Centered Blue (Theme 6)
- Modern Blue (Theme 7)
- Orange (Theme 8)
- Simple Gray (Theme 9)
- Sand (Theme 10)
- Green Spring (Theme 11)
- Stoke (Theme 12)
- Classic Blue (Theme 13)
- Simple Green (Theme 14)
- Light Blue (Theme 15)
- Dark Blue (Theme 16)
- Sapphire (Theme 17)
- Simplified Gray (Theme 18)
- Red Gray (Theme 19)
- Traditional Blue (Theme 20)
- Scarlet (Theme 21)
- Bluejay (Theme 22)
- Uniform (Theme 23)
- Clay (Theme 24)
- Blue Responsive (Theme 25)
- Productivity Applications (Theme 26)

Cancel

42!

THE ANSWER TO LIFE, UNIVERSE AND EVERYTHING.



Oracle Application Express

Universal Theme

responzivna

svestrana

prilagodljiva

#1 Theme Styles

#2 Theme Roller

#3 Template Options

Universal Theme Theme Styles

Sample Database Application

Track and Manage Customers, Orders and Products

Search customers, orders & products

Dashboard

\$0 Monthly Sales	0 Monthly Orders
10 Total Products	7 Total Customers

Top Customers

Bradley, Eugene Windsor Locks, CT - 1,000	2,760
Logan, Edward East Boston, MA - 1,000	2,420
Dulles, John Sterling, VA - 1,000	2,380
Hartsfield, William Atlanta, GA - 1,000	2,370
LaGuardia, Fiorello Chickasha, OK - 1,000	1,090

Top Products

Jacket - 18 x \$150	\$2,700
Bag - 16 x \$125	\$2,000
Trousers - 21 x \$80	\$1,680
Ladies Shoes - 12 x \$120	\$1,440
Business Shirt - 23 x \$60	\$1,150

Top Orders by Date

July 27, 2019	\$2380
July 13, 2019	\$1890
August 07, 2019	\$1640
August 24, 2019	\$1515
August 09, 2019	\$1090

Tags

- REPEAT CUSTOMER 3
- TOP SELLER 2
- LARGE ORDER 1

Home Application 902 Edit Page 1 Session View Debug Debug Page Info Quick Edit Theme Roller

Universal Theme Theme Styles

The screenshot shows a web application titled "Sample Database Application" with a dark sidebar and a main content area. A "Theme Roller" window is open on the right, displaying a list of theme styles. The application dashboard includes a navigation menu, a main header, a dashboard with key metrics, and several data tables.

Sample Database Application
Track and Manage Customers, Orders and Products

Dashboard

- Monthly Sales: \$0
- Total Products: 10

Top Customers

Customer Name	Address	Value
Bradley, Eugene	Windsor Locks, CT - 1,000	2,760
Logan, Edward	East Boston, MA - 1,000	2,420
Dulles, John	Sterling, VA - 1,000	2,380
Hartsfield, William	Atlanta, GA - 1,000	2,370
LaGuardia, Fiorello	Elmhurst, NY - 1,000	1,090

Top Products

- Jacket - 18 x \$150
- Bag - 16 x \$125
- Trousers - 21 x \$80
- Ladies Shoes - 12 x \$50
- Business Shirt - 23 x \$40

Top Orders by Date

Date	Value
July 27, 2019	\$2380
July 13, 2019	\$1890
August 07, 2019	\$1640
August 24, 2019	\$1515
August 09, 2019	\$1090

Tags

- REPEAT CUSTOMER 3
- TOP SELLER 2
- LARGE ORDER 1

Theme Roller

- Theme Style
- Logo
- Style
- Global Colors
- Containers
- Navigation
- Regions
- Buttons
- Forms
- States
- Palette
- Interactive Reports
- Layout
- Custom CSS

Selected Style: Vita (Current)

Other styles: Vista, Vita - Dark, Vita - Red, Vita - Slate

Buttons: Set as Current, Save As

docs.oracle.com

Help Center Search Sign In

Database / Oracle / Application Express / Release 19.1

API Reference

- + 16 APEX_EXPORT
- + 17 APEX_INSTANCE_ADMIN
- + 18 APEX_IR
- + 19 APEX_ITEM
- + 20 APEX_JAVASCRIPT
- + 21 APEX_JSON
- + 22 APEX_JWT
- + 23 APEX_LANG
- + 24 APEX_LDAP
- + 25 APEX_MAIL
- + 26 APEX_PKG_APP_INSTALL
- + 27 APEX_PAGE
- + 28 APEX_PLUGIN
- + 29 APEX_PLUGIN_UTIL
- + 30 APEX_REGION
- + 31 APEX_SESSION
- + 32 APEX_SPATIAL
- + 33 APEX_STRING
- 34 **APEX_THEME**
 - 34.1 CLEAR_ALL_USERS_STYLE Procedure
 - 34.2 CLEAR_USER_STYLE Procedure
 - 34.3 DISABLE_USER_STYLE Procedure
 - 34.4 ENABLE_USER_STYLE Procedure
 - 34.5 GET_USER_STYLE Function
 - 34.6 SET_CURRENT_STYLE Procedure
 - 34.7 SET_SESSION_STYLE Procedure

34 APEX_THEME

The `APEX_THEME` package contains utility functions for working with themes and theme styles.

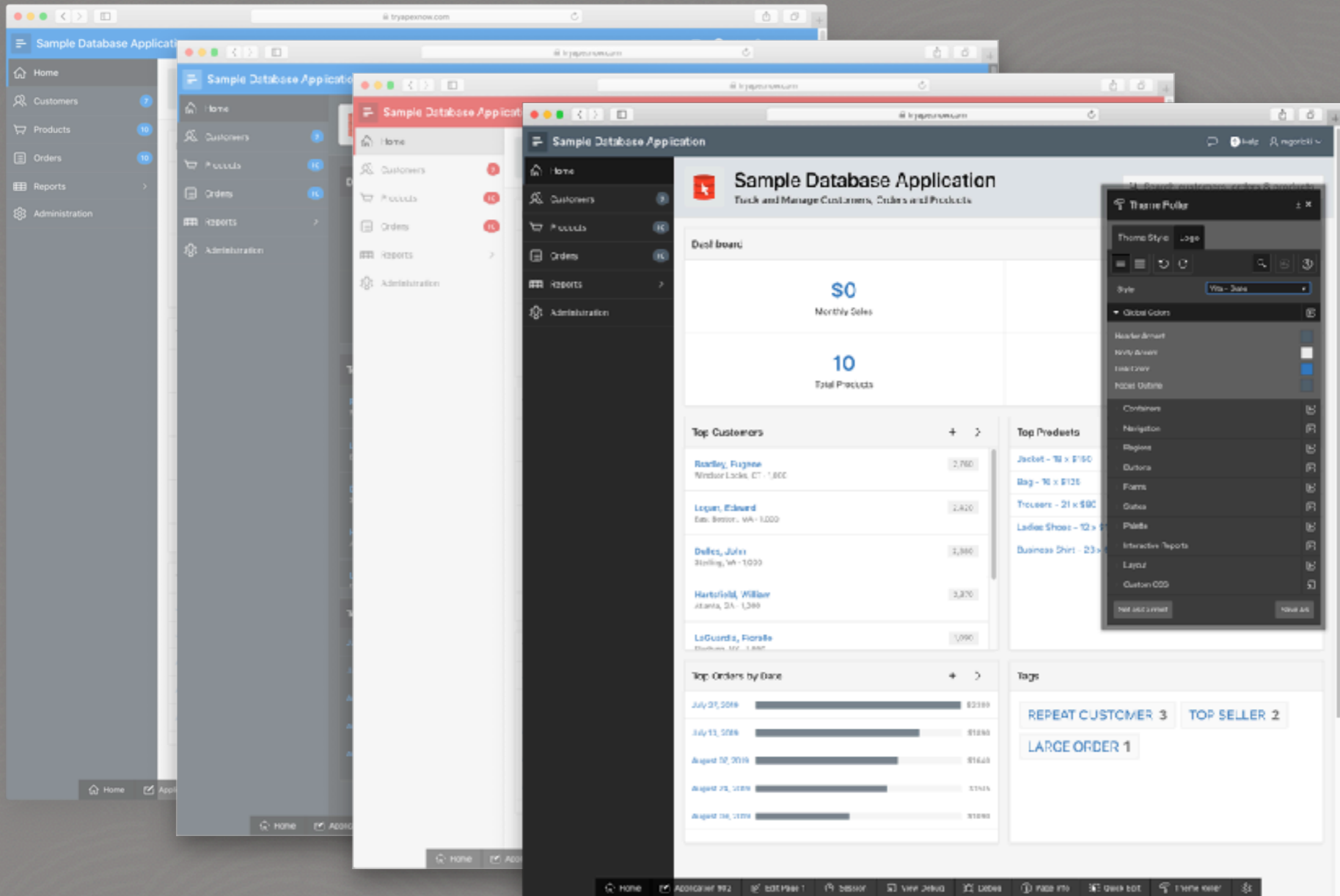
- [CLEAR_ALL_USERS_STYLE Procedure](#)
- [CLEAR_USER_STYLE Procedure](#)
- [DISABLE_USER_STYLE Procedure](#)
- [ENABLE_USER_STYLE Procedure](#)
- [GET_USER_STYLE Function](#)
- [SET_CURRENT_STYLE Procedure](#)
- [SET_SESSION_STYLE Procedure](#)
- [SET_SESSION_STYLE_CSS Procedure](#)
- [SET_USER_STYLE Procedure](#)

Univer
Them

Help mgoricki

Save As

SELLER 2



Universal Theme Theme Roller

The screenshot shows a web browser displaying a 'Sample Database Application' at the URL 'tryapexnow.com'. The application has a yellow header and a dark sidebar with navigation links: Home, Customers (7), Products (10), Orders (10), Reports, and Administration. The main content area features a dashboard with two key metrics: '\$0 Monthly Sales' and '10 Total Products'. Below this are three data tables: 'Top Customers' (listing names like Bradley, Eugene and their sales), 'Top Products' (listing items like Jacket and Bag), and 'Top Orders by Date' (showing dates and order values). A 'Tags' section at the bottom right highlights 'REPEAT CUSTOMER 3', 'TOP SELLER 2', and 'LARGE ORDER 1'. A 'Theme Roller' overlay is open on the right, showing a 'Theme Style' dropdown set to 'Logo' and a 'Style' dropdown set to 'Via (prod) (Current)'. The Theme Roller lists various UI elements with color swatches: Global Colors, Header Accent, Body Accent, Link Color, Focus Outline, Container, Navigation, Regions, Buttons, Forms, States, Palette, Interactive Reports, Layout, and Custom CSS. At the bottom of the browser, a toolbar includes icons for Home, Application 902, Edit Page 1, Session, View Debug, Debug, Page Info, Quick Edit, Theme Roller, and a settings icon.

Universal Theme Theme Roller

The screenshot shows a web application titled "Sample Database Application" with a yellow header and a dark sidebar. The main content area displays a dashboard with key metrics: Monthly Sales (\$0) and Total Products (10). Below these are sections for "Top Customers" (listing names like Bradley, Eugene and their sales), "Top Products" (listing items like Jacket, Bag, and Trouzers), and "Top Orders by Date" (showing a bar chart of order values over time). A "Tags" section at the bottom right highlights "REPEAT CUSTOMER 3", "TOP SELLER 2", and "LARGE ORDER 1".

The "Theme Roller" overlay is positioned on the right side of the application. It features a "Theme Style" dropdown set to "Logo" and a "Style" dropdown set to "Via (prod) (Current)". Under the "Container" section, a "Container Border Radius" slider is set to 10px. A vertical list of UI elements has checkboxes next to them, with a red box highlighting the "Body" checkbox, which is currently checked. Other elements in the list include Action Column, Title Bar, Header, Left Side Column, Navigation, Region, Form, States, Palette, Interactive Reports, and Layout. At the bottom of the Theme Roller, there are buttons for "Reset Current", "Save", and "Save As".

The browser's address bar shows "tryappnow.com". The sidebar on the left contains navigation links for Home, Customers (7), Products (10), Orders (10), Reports, and Administration.

Universal Theme Template Options

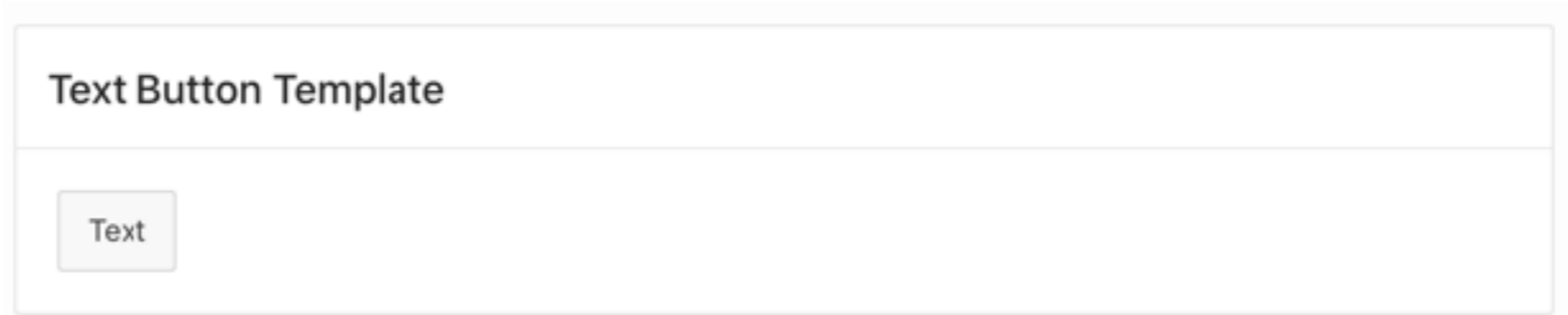
The screenshot shows the Oracle APEX App Builder interface. The main content area displays a table of templates. A red box highlights the following rows:

Type	Name	References	Updated	Updated By	Default	Theme	Copy
Button	Icon	0	5 months ago	mgoricki		42	
Button	Text	15	5 months ago	mgoricki	✓	42	
Button	Text with Icon	0	5 months ago	mgoricki		42	

The right sidebar contains the following sections:

- Templates**: The Application Express engine constructs the appearance of each page in an application using Templates. Templates define how pages, page controls, and page components display. To edit template attributes, select the template name. To preview a template, click the Run icon.
- Tasks**:
 - [Replace templates in this application with templates from another application.](#)
 - [View page template region position utilization.](#)
 - [Theme Reports](#)
 - [Replace Templates](#)
 - [Unsubscribe Templates](#)

Universal Theme
**Template
Options**

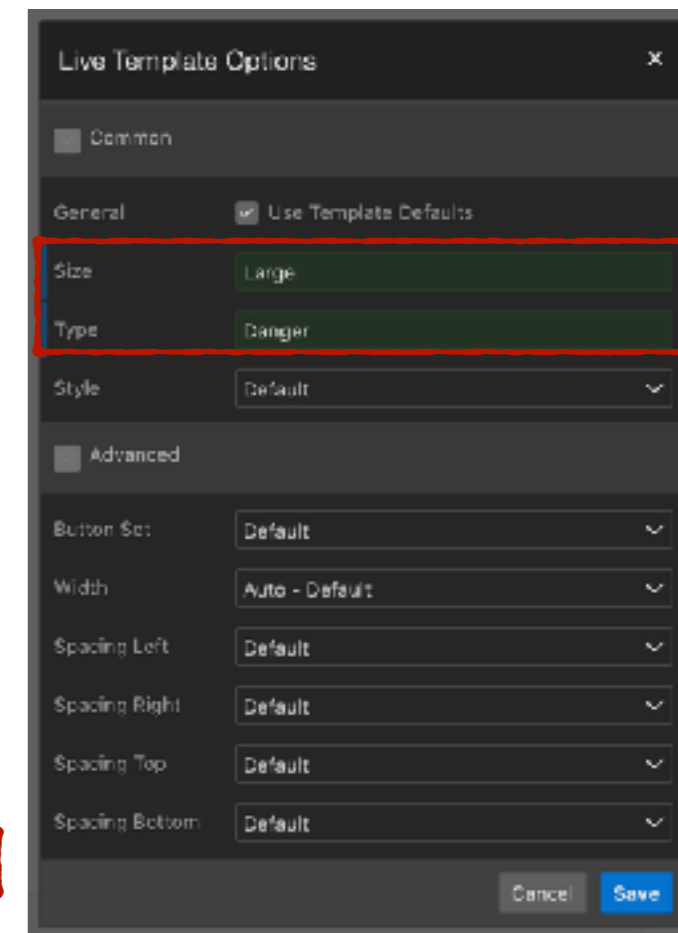
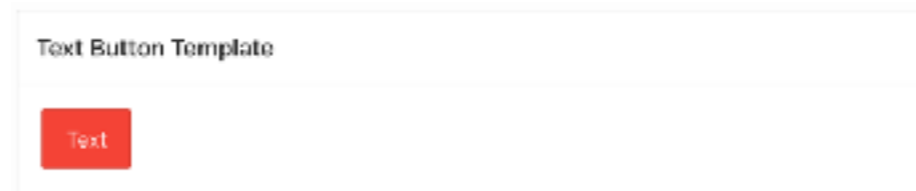


```
<button onclick="#JAVASCRIPT#"
        class="t-Button #BUTTON_CSS_CLASSES#"
        type="button" #BUTTON_ATTRIBUTES#
        id="#BUTTON_ID#">
  <span class="t-Button-label">#LABEL#</span>
</button>
```



```
<button onclick="..."
        class="t-Button"
        type="button"
        id="..." style="">
  <span class="t-Button-label">Text</span>
</button>
```

Universal Theme Template Options



```
<button onclick="#JAVASCRIPT#"
class="t-Button #BUTTON_CSS_CLASSES#"
type="button" #BUTTON_ATTRIBUTES#
id="#BUTTON_ID#">
  <span class="t-Button-label">#LABEL#</span>
</button>
```



```
<button onclick="..."
class="t-Button t-Button--large t-Button--danger"
type="button"
id="..." style="">
  <span class="t-Button-label">Text</span>
</button>
```

Universal Theme Template Options

The screenshot shows the 'Universal Theme' documentation page for 'Text Only' buttons. The page is titled 'Text Only' and includes a navigation sidebar on the left with categories like 'Getting Started', 'Design', 'Components', and 'Buttons'. The main content area is divided into sections: 'About', 'Examples', and 'Template Options'. The 'About' section states 'This is your standard button in Universal Theme' and provides a text input field to set a button template. The 'Examples' section is divided into '1. Default' and '2. Variations'. '1. Default' shows three button styles: 'Small Button', 'Default Button', and 'Large Button' in a light gray theme, and their 'Hot' counterparts in a blue theme. '2. Variations' shows three styles: 'Default Style', 'Simple Style', and 'Link Style', each with color-coded variants: Default Hot, Simple Hot, Link Hot; Default Warning, Simple Warning, Link Warning; Default Success, Simple Success, Link Success; Default Danger, Simple Danger, Link Danger; and Default Primary, Simple Primary, Link Primary. The 'Template Options' section includes a 'Size' dropdown with 'Default' selected and 'Tiny', 'Small', and 'Large' as options, and a 'Type' dropdown with 'Normal' selected and 'Primary', 'Warning', and 'Danger' as options.

Universal Theme

Components \ Buttons \

Text Only

Show All About Examples

About

This is your standard button in Universal Theme

Set **Text** as the Button Template.

Examples

1. Default

Small Button, Default Button, Large Button (light gray theme)

Small Hot Button, Default Hot Button, Large Hot Button (blue theme)

2. Variations

Default Style	Simple Style	Link Style
Default Hot	Simple Hot	Link Hot
Default Warning	Simple Warning	Link Warning
Default Success	Simple Success	Link Success
Default Danger	Simple Danger	Link Danger
Default Primary	Simple Primary	Link Primary

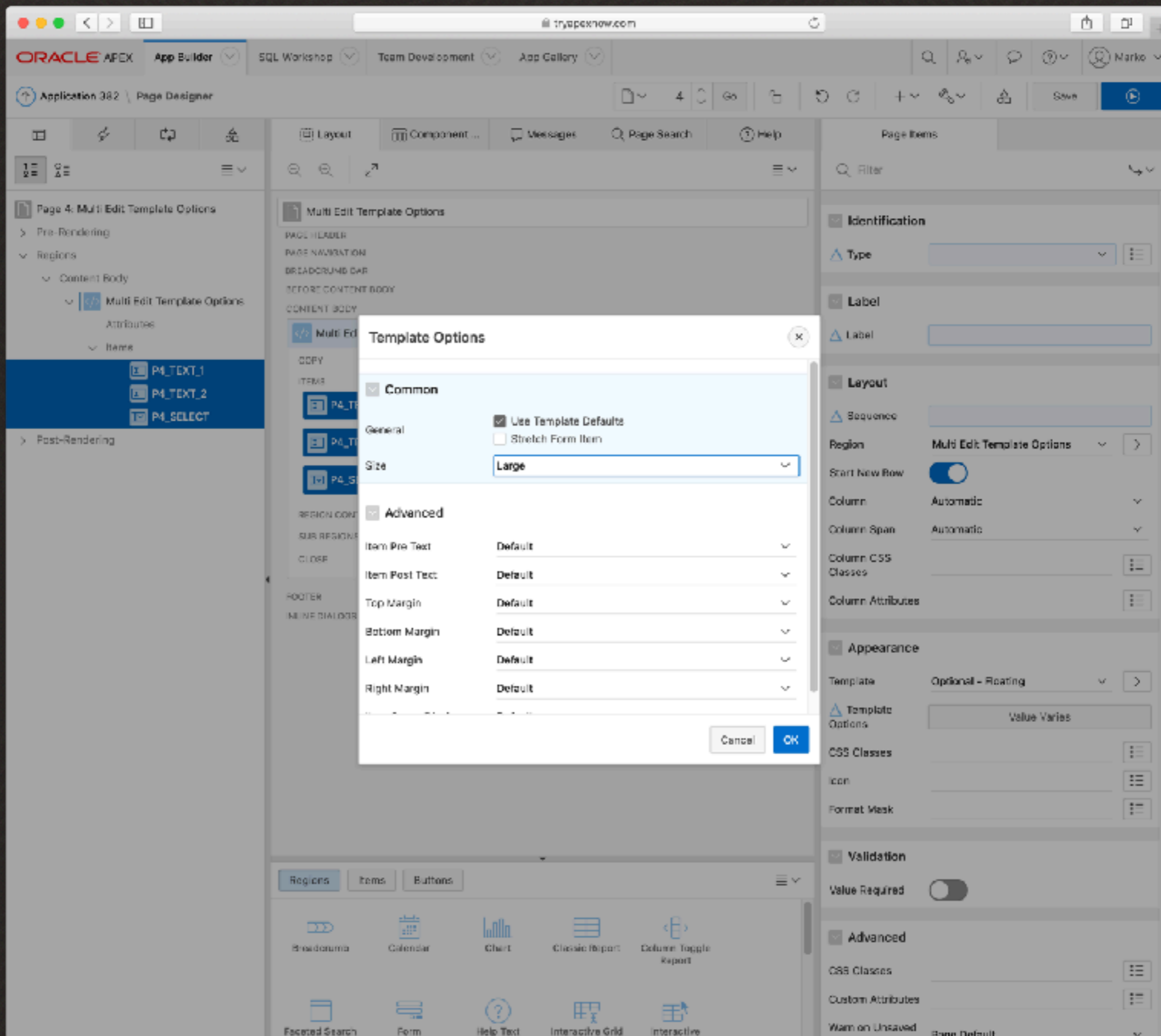
Template Options

Size
Sets the size of the button.

- Default**
- Tiny
A very small button.
- Small
A small button.
- Large
A large button.

Type

- Normal**
- Primary
- Warning
- Danger



tryapexnow.com

ORACLE APEX App Builder SQL Workshop Team Development App Gallery

Application 2006 \ Shared Components \ Themes

Themes Reports History

Go Actions Reset Switch Theme Create

Number	Name	User Interface	Is Universal Theme	Is Current	Subscribed From	Subscribers	Templates	Page Templates	Region Templates	Button Templates	List Templates
42	Universal Theme - 42	Desktop	✓	✓	Theme Repository		51	9	16	3	12

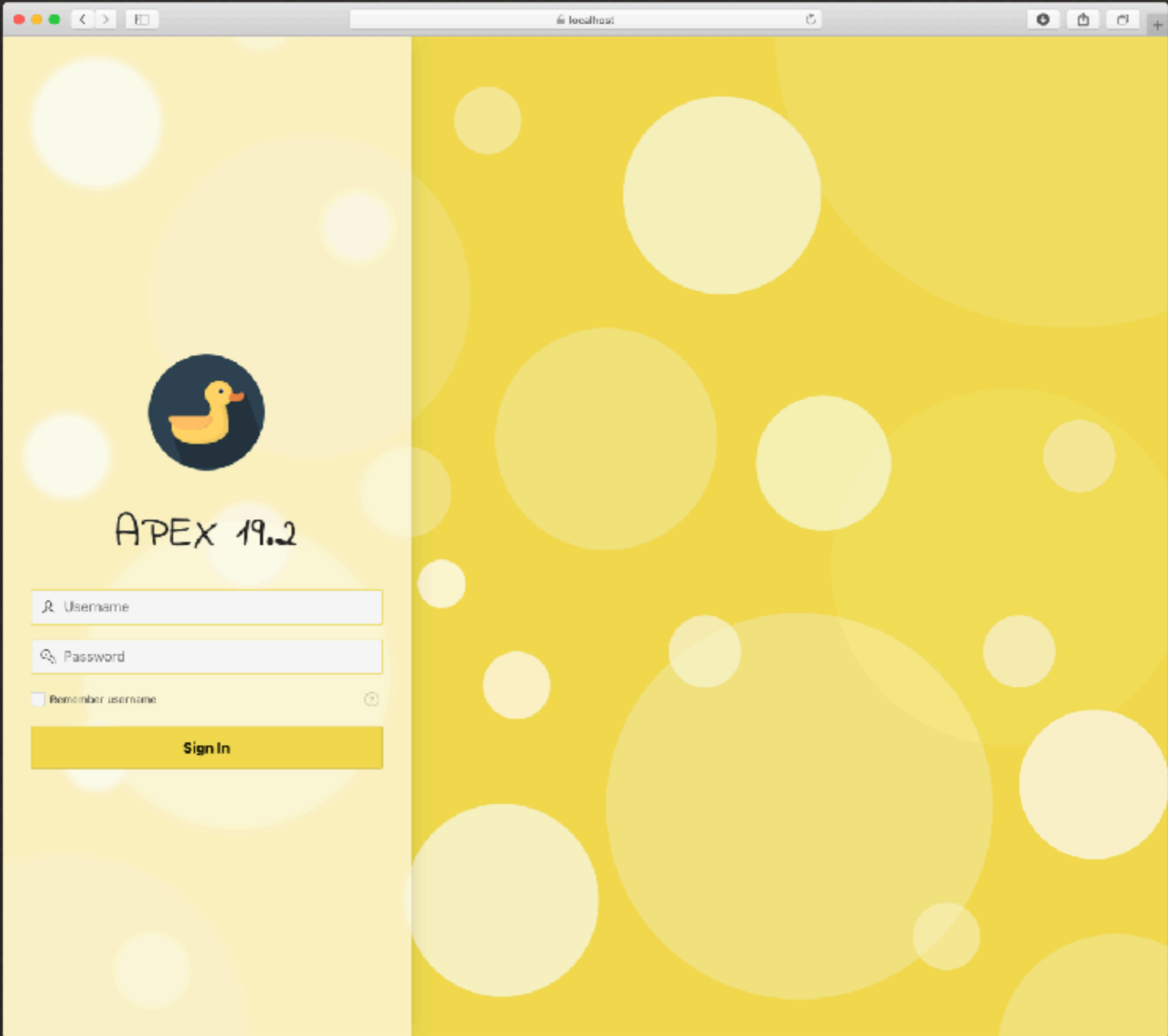
1 - 1

Themes
A Theme is a named collection of templates used to define the user interface of an application.

Tasks

- Copy Theme
- Delete Theme
- Export Theme
- Import Theme
- Change Identification Number
- Restore Theme Subscription
- Manage Workspace Themes

mgorkick@gmail.com mgorkick on Copyright © 1996, 2019, Oracle. All rights reserved. Application Express 19.2.0.00.10



ORACLE APEX App Builder SQL Workshop Team Development App Gallery

Application 2006 \ Shared Components \ Themes \ Create / Edit Theme

Theme

Cancel Apply Changes

Show All Name Theme Sub... JavaScript... Component... Region Def... Dialog Def... Global Tem... Icons Image Styles Files

Name

Application: 2006

Theme Number: 42

Name: Universal Theme

Identifier: UNIVERSAL_THEME

Navigation Type: List

Navigation Bar Implementation: List

Description:

Theme Subscription

Subscribed to Standard Theme: Universal Theme

No themes subscribe to this theme.

JavaScript and Cascading Style Sheets

JavaScript File URLs: #IMAGE_PREFIX#libraries/apex/#MIN_DIRECTORY#widget.stickyWidget#MIN#.js?v=#APEX_VERSION# #THEME_IMAGES#js/theme42#MIN#.js?v=#APEX_VERSION#

CSS File URLs: #THEME_IMAGES#css/Core#MIN#.css?v=#APEX_VERSION#

Component Defaults

Specify component defaults by component type.

Page: Standard

Navigation Bar List: Navigation Bar

Navigation Menu List Position: Side

Navigation Menu List (Top): Top Navigation Menu

Navigation Menu List (Side): Side Navigation Menu

Login Page: Login

Error Page: Login

Printer Friendly Page: Standard

1 Verify Unsubscribe Refresh Theme 2

Themes

A Theme is a named collection of templates used to define the user interface of an application.

Tasks

View Templates

Delete Theme

ORACLE APEX | App Builder | SQL Workshop | Team Development | App Gallery

Application 2006 | Shared Components | Themes | Create / Edit Theme

Theme

Cancel | **Apply Changes**

Show All | Name | Theme Sub... | JavaScript... | Component... | Region Def... | Dialog Def... | Global Tem... | Icons | Image | Styles | Files

Name

Application: 2006 ⓘ

Theme Number: 42 ⓘ

Name: Universal Theme ⓘ

Identifier: UNIVERSAL_THEME ⓘ

Navigation Type: List ⓘ

Navigation Bar Implementation: List ⓘ

Description: ⓘ

Theme Subscription

Verify | ~~Unsubscribe~~ | Refresh Theme

Subscribed to Standard Theme: Universal Theme

No themes subscribe to this theme.

JavaScript and Cascading Style Sheets

JavaScript File URLs: #IMAGE_PREFIX#libraries/epex/#MIN_DIRECTORY#widget.stickyWidget#MIN#.js?v=#APEX_VERSION# ⓘ
#THEME_IMAGES#js/theme42#MIN#.js?v=#APEX_VERSION# ⓘ

CSS File URLs: #THEME_IMAGES#css/Core#MIN#.css?v=#APEX_VERSION# ⓘ

Component Defaults

Specify component defaults by component type.

Page: Standard ⓘ

Navigation Bar List: Navigation Bar ⓘ

Navigation Menu List Position: Side ⓘ

Navigation Menu List (Top): Top Navigation Menu ⓘ

Navigation Menu List (Side): Side Navigation Menu ⓘ

Login Page: Login ⓘ

Error Page: Login ⓘ

Printer Friendly Page: Standard ⓘ


Themes

A Theme is a named collection of templates used to define the user interface of an application.

Tasks

[View Templates](#) >

[Delete Theme](#) >



tryapexnow.com

ORACLE APEX App Builder SQL Workshop Team Development App Gallery

Application 2006 \ Shared Components \ Themes \ Create / Edit Theme

Theme

Cancel Apply Changes

Show All Name Theme Sub... JavaScript... Component... Region Def... Dialog Def... Global Tem... Icons Image Styles Files

Name

Application: 2006

Theme Number: 42


Name: Universal Theme

Identifier: UNIVERSAL_THEME

Navigation Type: List

Navigation Bar Implementation: List

Description:



Upload Image Refresh Theme

Theme Subscription

Subscribed to Standard Theme: Universal Theme

No themes subscribe to this theme.

JavaScript and Cascading Style Sheets

JavaScript File URLs: #IMAGE_PREFIX#librer... #THEME_IMAGES#js/the... #APEX_VERSION#

CSS File URLs: #THEME_IMAGES#css/Core#MIN#.css?v=#APEX_VERSION#

Component Defaults

Specify component defaults by component type.

Page: Standard

Navigation Bar List: Navigation Bar

Navigation Menu List Position: Side

Navigation Menu List (Top): Top Navigation Menu

Navigation Menu List (Side): Side Navigation Menu

Login Page: Login

Error Page: Login

Printer Friendly Page: Standard

Themes

A Theme is a named collection of templates used to define the user interface of an application.

Tasks

View Templates

Delete Theme

Content Modifiers

Dark Mode

12-column Flexible Grid

Various Page Templates

Responsive Design

Font APEX Library

Button Builder

Color and Status Mod

Layout Modifiers

JavaScript API

Carousel

Accessibility Tested

Touch Gestures

Right to Left Support

Sample Application

Mobile Ready

Responsive Classes

Mobile Patterns

Live Template Options

JavaScript Events



Prilagodba teme

#1 izrada nove teme (*from scratch*)

#2 korišćenje *3rd party* tema

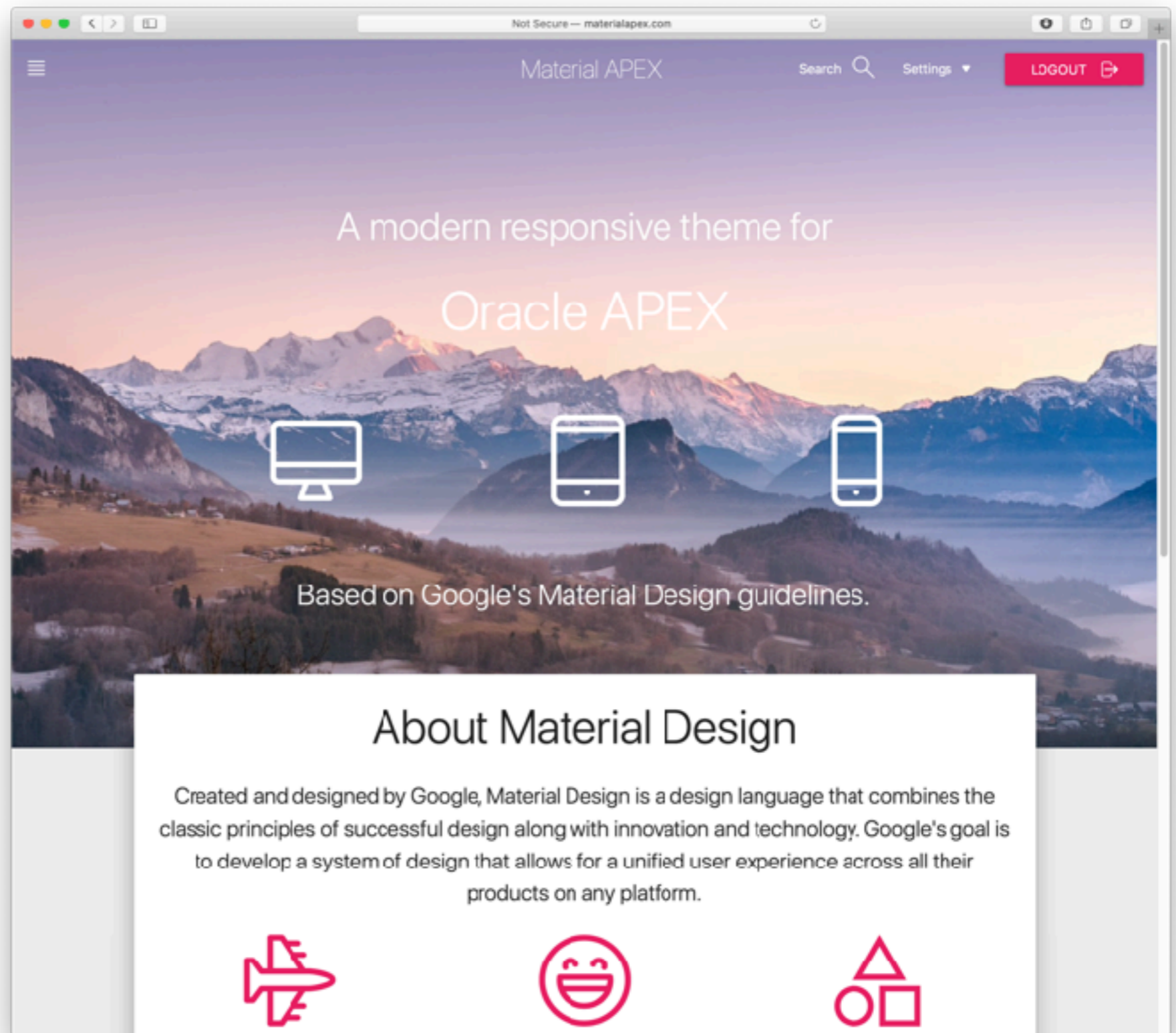
#3 prilagodba UT-a

#1 izrada nove teme (*from scratch*)



- dugotrajan razvoj
- teško održavanje
- problemi kod nadogradnje
- napredno poznavanje Web tehnologija i APEX-a
- pogodno za Web projekte ili aplikacije gde je fokus na sučelju

#2
korištenje 3rd
party tema





Prilagodba UT

- *override* CSS-a
- kreiranje novih predložaka



#1 Gdje smjestiti datoteke?

#2 Kako referencirati datoteke?

#3 Kako strukturirati CSS kod?



#1 Gdje smjestiti datoteke?

Custom Static



Database / APEX



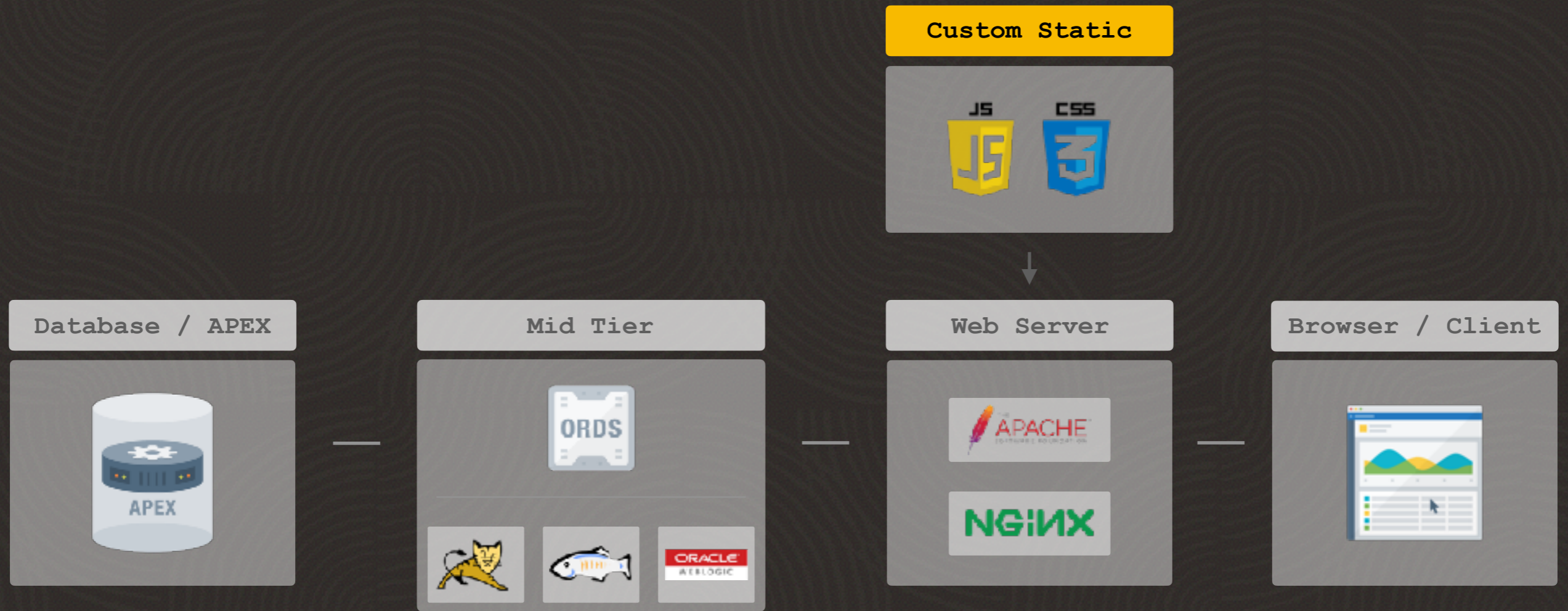
Mid Tier



Browser / Client



#1 Gdje smjestiti datoteke?



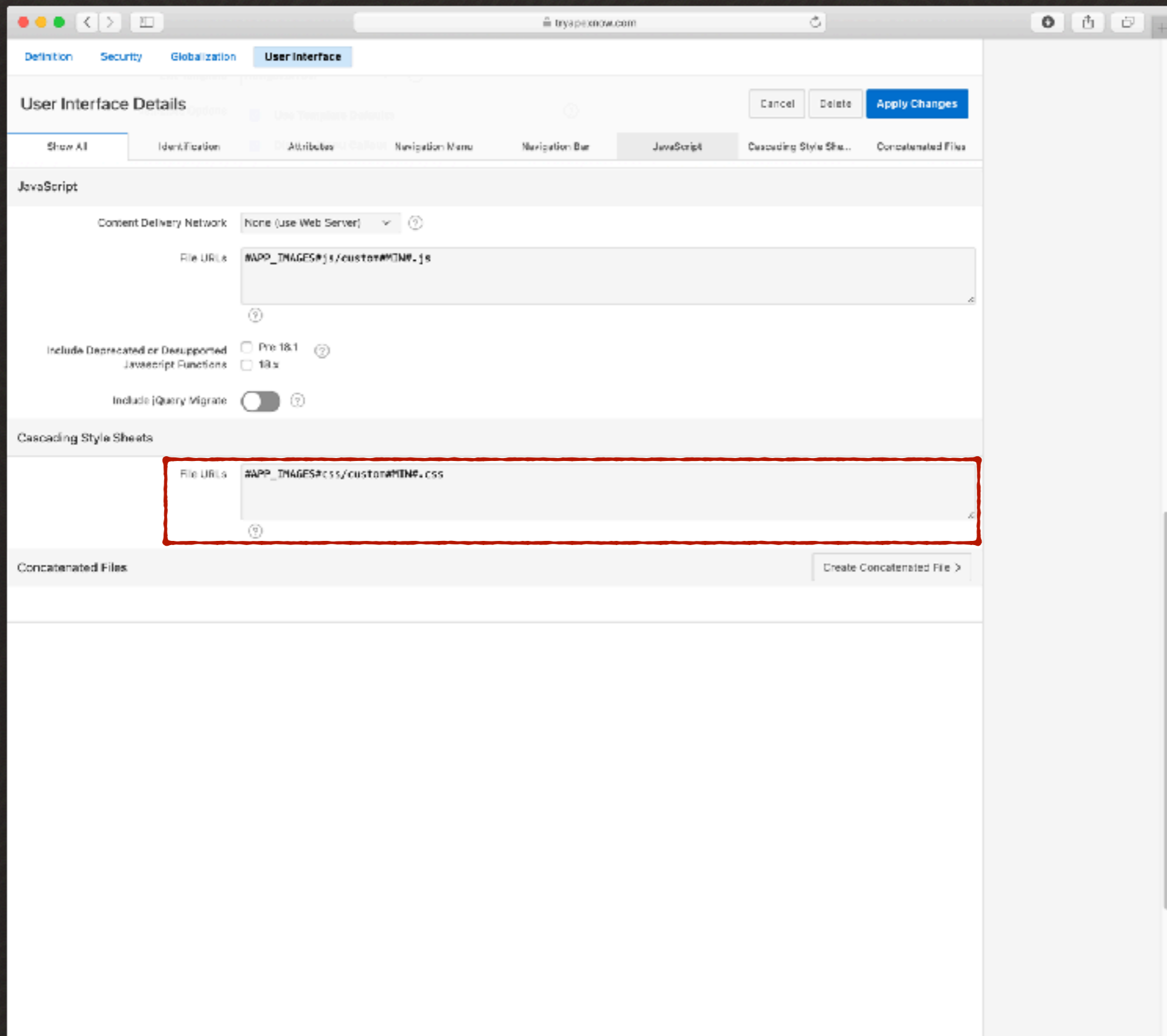
#1 Gdje smjestiti datoteke?

Application	Shared Components > User Interfaces > User Interface Details > CSS > File URLs
Theme	Shared Components > Themes > Create > File URLs
Template	Shared Components > Templates > CSS > File URLs
Plugin	Shared Components > Plug-ins > Files
Page	Page Designer > Page X > CSS > File URLs
Inline	<link rel="stylesheet" href="#APP_IMAGES#custom.css" type="text/css"></script>

#2 Kako referencirati datoteke

Application	Shared Components > User Interfaces > User Interface Details > CSS > File URLs
Theme	<i>Shared Components > Themes > Create > File URLs</i>
Template	<i>Shared Components > Templates > CSS > File URLs</i>
Plugin	Shared Components > Plug-ins > Files
Page	Page Designer > Page X > CSS > File URLs
Inline	<link rel="stylesheet" href="#APP_IMAGES#custom.css" type="text/css"></script>

#2 Kako referencirati datoteke



#2 Kako referencirati datoteke

#3 Kako strukturirati CSS kod?



- ☑ minification
- ☑ concatenation
- ☑ source mapping
- ☑ error handling
- ☑ easy file upload
- ☑ browser synchronization
- ☑ reduce development time
- ☑ reduce repeating tasks
- ☑ increase maintainability
- ☑ better modularization
- ☑ performance boost
- ☑ enhanced teamwork

Struktura

- ▶ dist
- ▼ src
 - ▶ images
 - ▶ css
 - ▶ js



Source (SRC) direktorij

- ▶ dist
- ▼ src
 - ▼ css
 - 000_general.css
 - 010_header.css
 - 020_regions.css
 - 030_reports.css
 - 040_buttons.css
 - 040_items.css
 - 090_login.css
 - 100_page_001.css
 - 100_page_002.css
 - 100_page_003.css
 - ▶ images
 - ▶ js



Distribution (DIST)

- ▼ dist
 - ▼ css
 - custom.min.css
 - custom.css
 - custom.css.map
 - ▶ js
 - ▶ images
 - ▶ src

- Home
- Customers 7
- Products 10
- Orders 10
- Reports
- Administration

Sample Database Application

Track and Manage Customers, Orders and Products

Dashboard

\$0 Monthly Sales	0 Monthly Orders
10 Total Products	7 Total Customers

Top Customers

Bradley, Eugene Windsor Locks, CT - 1,000	2,700
Logan, Edward East Boston, MA - 1,000	2,420
Dulles, John Sterling, VA - 1,000	2,300
Hartsfield, William Atlanta, GA - 1,000	2,070
LaGuardia, Fiorello New York, NY - 1,000	1,050

Top Products

Jacket - 18 x \$150	\$2,700
Bag - 16 x \$125	\$2,000
Trousers - 21 x \$80	\$1,680
Ladies Shoes - 12 x \$120	\$1,440
Business Shirt - 23 x \$60	\$1,150

Top Orders by Date

July 27, 2019	\$2380
July 15, 2019	\$1890
August 07, 2019	\$1640
August 24, 2019	\$1575
August 05, 2019	\$1090

Tags

- REPEAT CUSTOMER 3
- TOP SELLER 2
- LARGE ORDER 1

- Home
- Customers 7
- Products 10
- Orders 10
- Reports
- Administration

Sample Database Application

Track and Manage Customers, Orders and Products

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Top Products

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Trousers - 21 x \$80	\$1,680
Ladies Shoes - 12 x \$120	\$1,440
Business Shirt - 23 x \$65	\$1,150

Top Orders by Date

July 22, 2019	<div style="width: 100%;"></div>	\$2380
July 15, 2019	<div style="width: 80%;"></div>	\$1890
August 02, 2019	<div style="width: 70%;"></div>	\$1640
August 24, 2019	<div style="width: 60%;"></div>	\$1575
August 05, 2019	<div style="width: 50%;"></div>	\$1090

Tags

REPEAT CUSTOMER	3
TOP SELLER	2
LARGE ORDER	1

EXPLORER

> OPEN EDITORS

▼ NITRO

> dist

▼ src

▼ css

000_general.css

010_header.css

020_regions.css

030_reports.css

040_buttons.css

050_items.css

090_login.css

100_page_001.css

100_page_002.css

100_page_003.css

> images

> js

> OUTLINE

> SSH FILE SYSTEMS

020_regions.css X

src > css > # 020_regions.css > ...

```
1  /* Tag Region Start */
2  .a-TagCloud .a-TagCloud-item{
3  |   display:block;
4  | }
5  .a-TagCloud .a-TagCloud-link{
6  |   background-color:transparent;
7  |   color:#5c5c5c;
8  |   font-size:16px;
9  |   line-height: 20px;
10 |   position:relative;
11 |   border:none;
12 |   padding-left: 0;
13 |   margin-right: 0;
14 | }
15 .a-TagCloud .a-TagCloud-link:hover{
16 |   box-shadow: none;
17 | }
18 .a-TagCloud .a-TagCloud-link .a-TagCloud-count{
19 |   background-color:#efcc00;
20 |   color:#ffffff;
21 |   padding:4px 18px;
22 |   border-radius: 50%;
23 |   position:absolute;
24 |   right: 0;
25 |   top: 0;
26 | }
27 /* Tag Region End */
```



EXPLORER

OPEN EDITORS 1 UNSAVED

NITRO

dist

css

custom.css

custom.css.map

custom.min.css

images

js

src

css

000_general.css

010_header.css

020_regions.css

030_reports.css

040_buttons.css

050_items.css

090_login.css

100_page_001.css

100_page_002.css

100_page_003.css

images

js

OUTLINE

SSH FILE SYSTEMS

020_regions.css

100_page_001.css

src > css > # 100_page_001.css > ...

```
1  /* Tag Region Start */
2  .page-1 .a-TagCloud .a-TagCloud-item{
3      display:block;
4  }
5  .page-1 .a-TagCloud .a-TagCloud-link{
6      background-color:transparent;
7      color:#5c5c5c;
8      font-size:16px;
9      line-height: 20px;
10     position:relative;
11     border:none;
12     padding-left: 0;
13     margin-right: 0;
14 }
15 .page-1 .a-TagCloud .a-TagCloud-link:hover{
16     box-shadow: none;
17 }
18 .page-1 .a-TagCloud .a-TagCloud-link .a-TagCloud-count{
19     background-color:#dfcc00;
20     color:#ffffff;
21     padding:4px 10px;
22     border-radius: 50%;
23     position:absolute;
24     right: 0;
25     top: 0;
26 }
27 /* Tag Region End */
```



Kreiranje novih predložaka

The screenshot shows the Oracle APEX 'Templates' page. The table below lists various templates available in the application.

Type	Name	References	Updated	Updated By	Default	Theme	Copy	Subscribed From
Breadcrumb	Breadcrumb	10	5 days ago	mgoricki	✓	42		Theme
Button	Icon	8	5 days ago	mgoricki		42		Theme
Button	Text	36	5 days ago	mgoricki	✓	42		Theme
Button	Text with Icon	1	5 days ago	mgoricki		42		Theme
Label	Hidden	4	5 days ago	mgoricki		42		Theme
Label	Optional	0	5 days ago	mgoricki		42		Theme
Label	Optional - Above	3	5 days ago	mgoricki		42		Theme
Label	Optional - Floating	14	5 days ago	mgoricki	✓	42		Theme
Label	Required	0	5 days ago	mgoricki		42		Theme
Label	Required - Above	0	5 days ago	mgoricki		42		Theme
Label	Required - Floating	0	5 days ago	mgoricki		42		Theme
Legacy Calendar	Calendar	1	5 days ago	mgoricki	✓	42		Theme
List	Edge List	0	5 days ago	mgoricki		42		Theme
List	Cards	3	5 days ago	mgoricki		42		Theme
List	Links List	1	5 days ago	mgoricki	✓	42		Theme
List	Media List	4	5 days ago	mgoricki		42		Theme
List	Menu Bar	0	5 days ago	mgoricki		42		Theme
List	Menu Popup	0	5 days ago	mgoricki		42		Theme
List	Navigation Bar	0	5 days ago	mgoricki		42		Theme
List	Side Navigation Menu	0	5 days ago	mgoricki		42		Theme
List	Tabs	0	5 days ago	mgoricki		42		Theme
List	Top Navigation Menu	0	5 days ago	mgoricki		42		Theme
List	Top Navigation Tabs	0	5 days ago	mgoricki		42		Theme
List	Wizard Progress	0	5 days ago	mgoricki		42		Theme

Kreiranje novih predložaka

The screenshot shows the Oracle APEX 'Templates' page for 'Application 124'. A notification at the top states 'Button Template Created.' The table below lists various templates, with the 'Copy of Text' button template highlighted by a red box. The table columns include Type, Name, Refreshes, Updated, Updated By, Default, Theme, Copy, and Subscribed from.

Type	Name	Refreshes	Updated	Updated By	Default	Theme	Copy	Subscribed from
Breadcrumb	Breadcrumb	10	5 days ago	mgoricki	✓	42	📄	Theme
Button	Copy of Text	0	1 second ago	mgoricki		42	📄	
Button	Icon	8	5 days ago	mgoricki		42	📄	Theme
Button	Text	36	5 days ago	mgoricki	✓	42	📄	Theme
Button	Text with Icon	1	5 days ago	mgoricki		42	📄	Theme
Label	Hidden	4	5 days ago	mgoricki		42	📄	Theme
Label	Optional	0	5 days ago	mgoricki		42	📄	Theme
Label	Optional - Above	3	5 days ago	mgoricki		42	📄	Theme
Label	Optional - Floating	14	5 days ago	mgoricki	✓	42	📄	Theme
Label	Required	0	5 days ago	mgoricki		42	📄	Theme
Label	Required - Above	0	5 days ago	mgoricki		42	📄	Theme
Label	Required - Floating	0	5 days ago	mgoricki		42	📄	Theme
Legacy Calendar	Calendar	1	5 days ago	mgoricki	✓	42	📄	Theme
List	Badge List	0	5 days ago	mgoricki		42	📄	Theme
List	Cards	3	5 days ago	mgoricki		42	📄	Theme
List	Links List	1	5 days ago	mgoricki	✓	42	📄	Theme
List	Media List	4	5 days ago	mgoricki		42	📄	Theme
List	Menu Bar	0	5 days ago	mgoricki		42	📄	Theme
List	Menu Popup	0	5 days ago	mgoricki		42	📄	Theme
List	Navigation Bar	0	5 days ago	mgoricki		42	📄	Theme
List	Side Navigation Menu	0	5 days ago	mgoricki		42	📄	Theme
List	Tabs	0	5 days ago	mgoricki		42	📄	Theme
List	Top Navigation Menu	0	5 days ago	mgoricki		42	📄	Theme

DO

- ✓ korišćenje UT
- ✓ Theme Options & Theme Roller
- ✓ prilagodba UT + APEX Nitro



Don't

- inline CSS/JS
- unsubscribe UT-a
- izrada nove teme (from scratch)



Pitanja?

Hvala!