



Twitter Bootstrap theme

For Application Express 4.2.x and 5.0

A presentation by





Who is smart4apex?

- Just some geeks passionate about Apex, having fun together
- Sharing experience and knowledge
- Explore new techniques and opportunities
- Build state of the art (Apex) solutions for our customers





Who is smart4apex?

Reliable Apex solutions by shared knowledge



Who are we?



Sergei Martens

- Oracle since 1998 (Oracle 7)
- Started as classic developer (Forms & Designer), now Apex
- Special interest in UI
- Speaker Apex World, Kscope



Richard Martens

- Oracle since 2002 (Oracle 8i)
- PL/SQL, Apex, HTML5, CSS3, JavaScript, XML, XSLT
- Special interest in UI
- RIMA on Oracle Forums
- Speaker Kscope, Apex World, SIOUG, HROUG, DOAG, UKOUG



Safe Harbor Statement

The following sheets are intended to outline our general thoughts about UI trends.

Some of the statements can act as confrontational and explicit.

Things will be more nuanced in the real world.

We intentionally did this to create a clearer understanding about the topics discussed.



Nowadays



In the early ages

Version 0



User-interfaces are getting important to an increasing extent.

The best user-interface

- Is intuitive to the user (no manual needed)
- Looks trendy (nobody wants to use old/odd looking software anymore)



Companies invest a lot of money
in a company brand

17:22:32 BASIC ORDER/QUOTATION SCREEN M0002003 Existing Order

Order	Company #	Customer #	Reqst Dt	Reqst Tm	Prom Dt	Prom Tm	Ord Dt									
DQ415H	1000	14034	41511	1600	41511	1600	41511									
Customer Name	Shipment #	Type	Memo	Mthd	Customer PO Number	SLS Rep										
NCL/RTV /MOGADO		RG	2	2	375819	24110										
Rd/U Wh Dft Mode	Opt	Rpr	Route Cd	Terms	Hld Code	Prc	Curr	Fob	FobTTC	Status						
Y HY N	N	N		NMT	N	USD	3RD	0	40							
Order Staging Printed N																
Resource	Rel	Order	Quantity	UM	Wh	Rqst Dt	Prom Dt	Reqd Dt	Plk	Dlk						
Sel	Inv	Price	Unit	Price	PUM	DUM	Alternate	Qty	Cust	Resource	Tot Amt					
AMAX-10W		1.95		9590	LB	LB		10.000000	EA	HY	41511	41511	41211	N	N	1077.45
MORFAX-10W		3.8140		3.8140	LB	LB		10.000000	EA	HY	41511	41511	41211	N	N	1907.00
				0				000000						N	N	
				0000				000000								00

Inside



Trends



- Simple design
- Just a few items
- Large items
- Dynamic regions
- Info graphics
- Dashboards
- Long pages
- Flat design
- Complex design
- Many items
- Small items
- Tabs / Report -> Detail
- Text
- Reports / tables
- Short pages
- Skeuomorphic (realism)



Our dashboards



Tomorrow



Example: logo's through the years





Mission

Create an Apex application theme which:

- is trendy and intuitive
- can easily be used (out of the box)
- can easily be adjusted to own brand.
- supports many UI-items
- is free to use (open source)
- is well documented



Why bootstrap?

- a **free collection of tools** for creating websites and web applications.
- the **most popular framework** on the internet.
- supports **responsive design**.
- thousands of **plug-ins** available.
- it is **easy to adjust** to corporate brand.
- a **frequent release** schedule.
- based on **JQuery**



What is included?

- **Theme CSS**
- **Theme javascript**
 - remember active tab
 - close modal
- **Templates**
 - page
 - region
 - label
 - etc...
- **Apex plug-ins**
 - Modal iframe (da)
 - Calendar (item)
- **Other (integrated) plug-ins**
 - Fontawesome
 - Parsley (jQuery)
 - Cookie (jQuery)
 - Bootstrap Notification
 - Bootstrap selectlist
 - Bootstrap date-picker



Bootstrap responsive - grid

- 12 column layout
- 940px width
- Works with CSS-classes:
 - .row; like `<tr>` in html-table
 - .col-md-#; width of the column
 - .col-md-offset-#; move # columns to the right
 - .container-fluid; percentages in stead of fixed width
 - .container; center on page



Offsetting columns

Move columns to the right using `.col-md-offset-*`.
These increase the left margin of a column by * columns.

`.col-md-4`

`.col-md-4 .col-md-offset-4`

`.col-md-3 .col-md-offset-3`

`col-md-3 .col-md-offset-3`

`.col-md-6 .col-md-offset-3`



Bootstrap vs. Apex

Problem:

Bootstrap : relative positioning

Apex: absolute positioning

Solution:

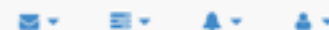
col-xx-offset-# in column attributes

Grid Layout	
Start New Grid	No ▾
Start New Row	Yes ▾
Column	Automatic ▾
Column Span	4 ▾
Column Attributes	col-md-offset-4



Demo

SB Admin 2 for OrclApex




- Dashboard
- Calendar
- Map (Leaflet)
- Charts
- Tables
- Forms
- UI Elements
- Multi-Level Dropdown
- Sample Pages
- Grid example
- Old version 2
- Download theme
- Bootstrap website
- Font Awesome website
- About version 3

Dashboard

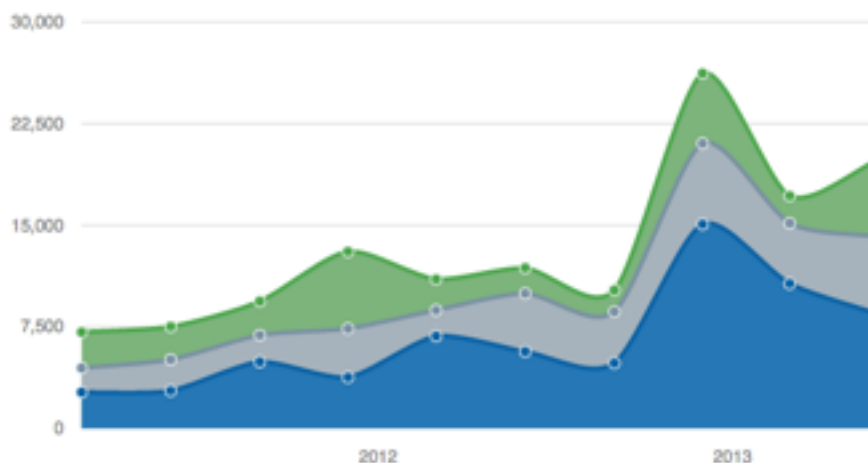
 **25**
New Comments!
[View comments details](#)

 **12**
New Tasks!
[View details](#)








 **124**
New Orders!
[View details](#)

 **13**
Support Tickets!
[View details](#)

Area Chart Example



Notifications Panel

-  New Comment 4 minutes ago
-  New Followers 12 minutes ago
-  New Task 34 minutes ago
-  Server Rebooted 11:32 AM
-  Server Crashed 11:13 AM
-  Server Not Responding 10:57 AM
-  Payment Received Yesterday

[View all alerts](#)



Were to get the theme

SB Admin 2 for OracleApex

Dashboard

- 25 New Comments
- 12 New Tasks
- 124 New Orders
- 13 Support Tickets

Area Chart Example

Year	Blue Area	Grey Area	Green Area	Total
2012 (Q1)	2,000	2,000	3,000	7,000
2012 (Q2)	3,000	3,000	4,000	10,000
2012 (Q3)	4,000	4,000	5,000	13,000
2012 (Q4)	5,000	5,000	4,000	14,000
2013 (Q1)	6,000	6,000	5,000	17,000
2013 (Q2)	8,000	8,000	10,000	26,000
2013 (Q3)	10,000	10,000	8,000	28,000
2013 (Q4)	8,000	8,000	7,000	23,000

Notifications Panel

- New Comment - 4 minutes ago
- New Followers - 12 minutes ago
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- Server Rebooted - 11:32 AM
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View all alerts



Do you want to participate in development?

**We are fishing for IT professionals
with a hunger for knowledge**

