

Upgrade APEX 3.x to 4.0 Live!

OOW - 2010

sumnēva

Application Success

dimitri@sumneva.com

About Dimitri Gielis

- Director & Co-Founder of APEX Evangelists / Sumneva
- 12+ years of Oracle Experience
- OBUG APEX SIG Leader
- 'Dimitri.Gielis@AE' in the APEX forums
- Presenter at ODTUG, OOW, UKOUG, OBUG, ...
- OCP 8i/9i/10g + APEX Certified
- Oracle ACE Director
- "APEX Developer of the Year 2009"

ORACLE



Dimitri Gielis 

Oracle ACE Director



<http://dgielis.blogspot.com>

dimitri@sumneva.com

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OPP2010

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Audience

- Who's new to APEX?
- Who's still using APEX 3.x?
- Who's already on APEX 4.0?

Agenda

- The way to APEX 4.0
- Developing in APEX 3.x
- How things changed with APEX 4.0
 - Upgrade APEX 3.x application to 4.0 - Live!
- APEX 3.x Project compared to APEX 4.0

APEX in the beginning

Oracle Application Express (APEX)

- Unique Rapid Application Development (RAD) tool for the Oracle Database
- Browser based for Development, Deployment & Use
- Declaratively build professional Web Applications that are fast and secure
- Leverages full Oracle database capabilities and existing SQL & PL/SQL skills
- Standard component of the database
- Fully supported, “no-cost” option with all editions of the Oracle Database

Easy to develop • Easy to deploy • Easy to manage



History of APEX

2010

APEX 4.0
Web 2.0

2009

APEX 3.2
Forms Conversion

2008

APEX 3.1
Interactive Reports, BLOB

2007

APEX 3.0
Flash Charts, PDF Printing, Access Migration

2006

APEX 2.2
Packaged Applications

2006

APEX 2.1
Oracle XE

2005

HTML DB 2.0
SQL Workshop

2004

HTML DB 1.6
Themes

2004

HTML DB 1.5
First Release

Latest major release - 2 years old

2010

APEX 4.0
Web 2.0

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Developing in APEX 3.x

LOOKING CLOSER INTO THIS PROCESS

- Creation of the application
 - Create database objects: tables, views, constraints, sequences, triggers, ...
 - Create logic (in PL/SQL packages?)
 - Create APEX application
 - Chose theme
 - Create pages (based on UI Defaults?)
 - Create shared components

Basic application ready - web 1.0

LOOKING CLOSER INTO THIS PROCESS

- Getting it more Web 2.0
 - Add javascript (jQuery?)
 - Reuse some components you created before (?)
 - Create CSS and adapt the theme
 - Integrate 3rd party components (Google Maps, Webservices, ...)

LOOKING CLOSER INTO THIS PROCESS

- Deploy to test
- End-user tells you his experiences
 - Mail? Paper? External tool e.g. Jira, FogBugz, ... (?)
- Adapt the application
- Redeploy to test
- ...

DEVELOPERS BECOME STRESSED

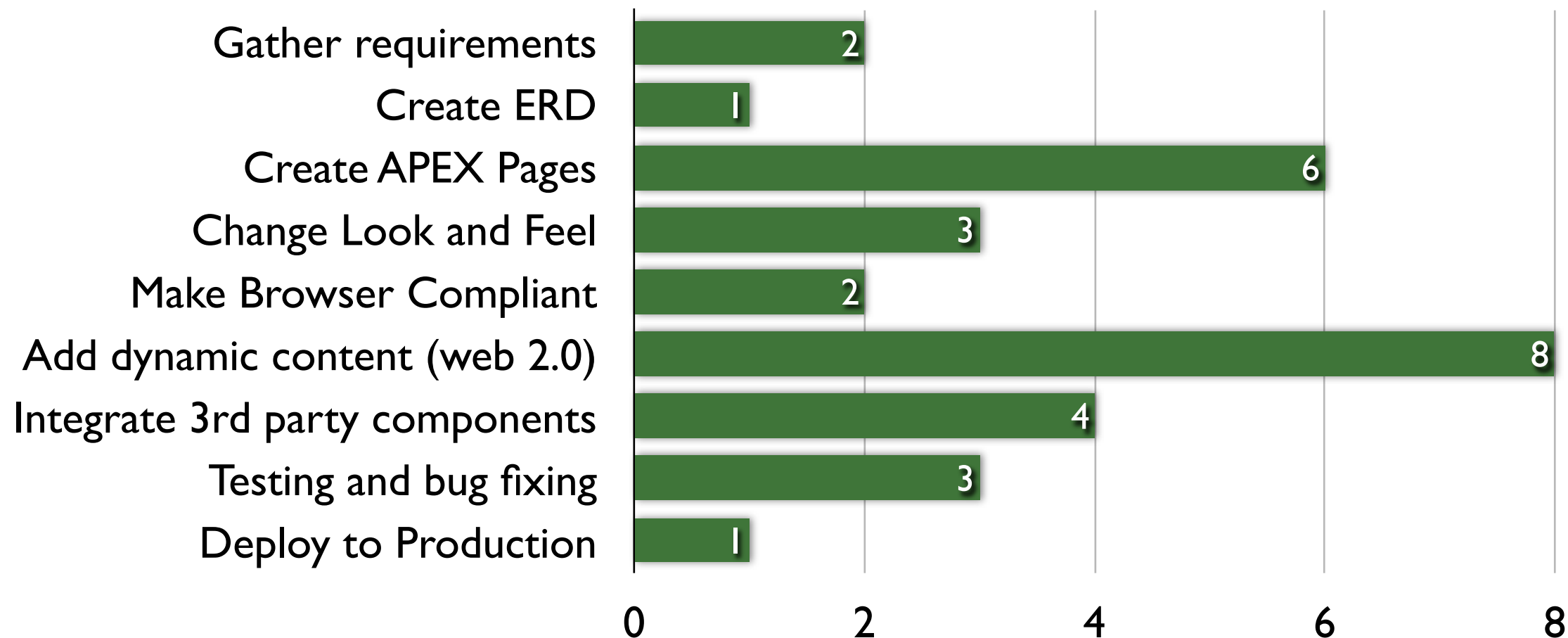
- Because it's hard to
 - get a good project plan
 - create nice looking apps
 - do a lot of the web 2.0 stuff
 - make it browser compliant
 - keep track of test results

The end user wants more and more in less and less time



TIME SPEND DEVELOPING IN APEX 3.x

Project of 30 days



How things changed with APEX 4.0





DG TOURNAMENT BETTING



[Home](#) [Results](#) [Calendar](#) [Bet Rank](#) [Shoutbox](#) [Map](#) [Stats](#) [FAQ](#) [Login](#)

This is the follow-up application of the famous WC 2006 application.

In May 2006 I created the World Cup 2006 application. The goal was to make an application entirely in APEX (Oracle Application Express). In the beginning the application only gave an overview of the scores and the ranking of the teams. Soon the application got interactive: it allowed betting on the games and having discussions through the shoutbox. An other feature was the utilization of Webservices to show some more info about the World Cup. More than 400 people played with us. At "peak"-moments we had over 10.000 hits an hour.

I got a lot of positive reaction. That kept me motivated to make this follow-up application...

In May 2008 I updated the application to work with the latest version of Oracle Application Express and bet on the games of Euro 2008. As Belgium is not in the World Cup 2010 I didn't think about updating the app for the World Cup 2010, but after many requests I finally did...

You may put your suggestions and remarks in the ShoutBox or on my [Blog](#).

If you need some APEX services (consulting, training, development) you can send me a [mail](#) or look at [my company's website](#).

Enjoy this application,
Dimitri Gielis

Games in progress



World Cup 2010

Games due to play



World Cup 2014

Games played



Roland Garros 2006



World Cup 2006



UEFA Champions
League 2006-2007



UEFA Euro 2008

Latest News

Brazil 3 Chile 0: That was a bit good

06/29/2010 00:17:11

Regular readers will know that we have fancied Argentina for this World Cup but after that performance from Brazil - we might ...

Netherlands 2 Slovakia 1: The Dutch cruise to last eight

06/28/2010 19:20:11

The scoreline suggests that it wasn't as easy as I am making out with the title of this post, but it was and the Dutch always ...

World Cup 2010 last 16: Brazil v Chile

06/28/2010 18:12:14

The earlier game today is our bet of the day - you won't lose money on the Dutch, but you could lose money on Brazil tonight as ...

INSTALL APEX 4.0 (OR UPGRADE)

- Installation of APEX 4.0
 - Download (2 minutes)
 - Install (17 minutes)
 - `@apexins SYSAUX SYSAUX TEMP /i/`
 - copy images
 - permissions
 - Configure Webserver (EPG, Apache, APEX Listener)
 - Test it

UPGRADE APEX 3.2 APPLICATION TO 4.0

- Export your APEX 3.2 application
- Import into APEX 4.0 workspace
- Run the application
- Make use of the APEX 4.0 features

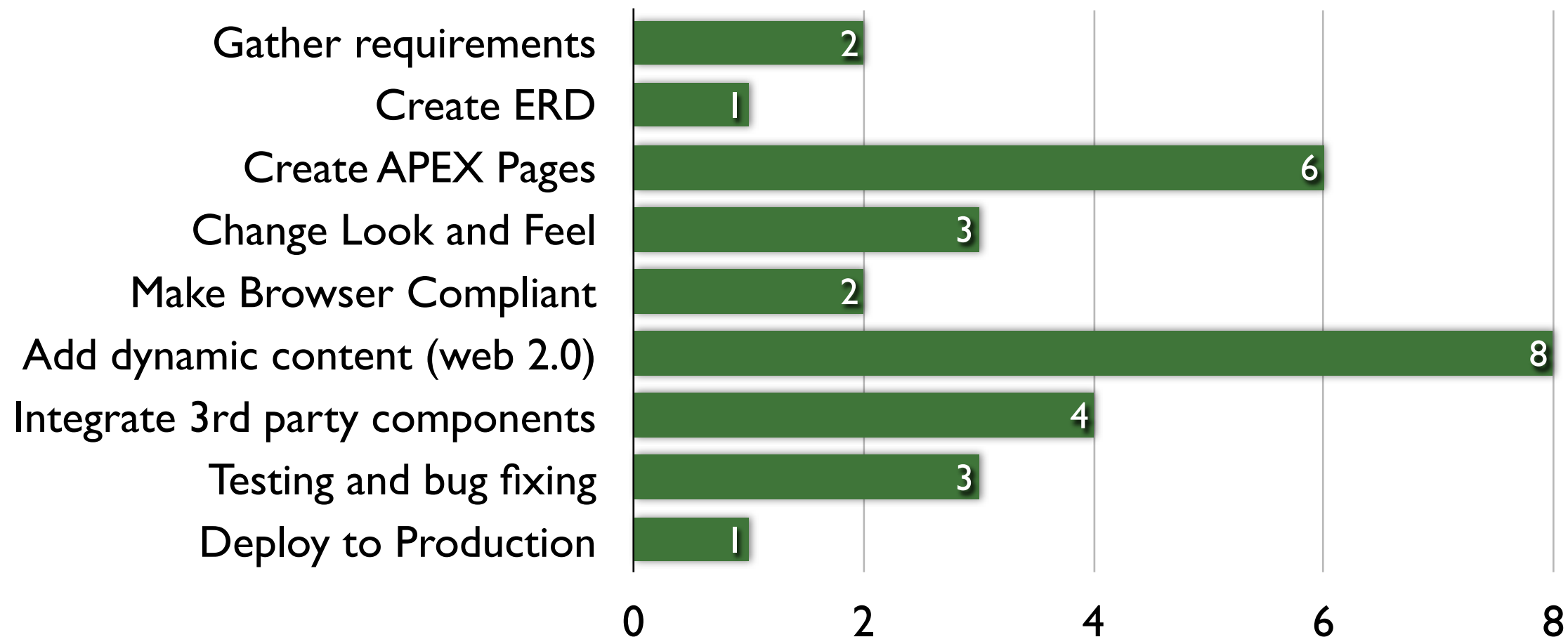
APEX 3.2 to 4.0

D E M O N S T R A T I O N

APEX 3.x Project compared to APEX 4.0

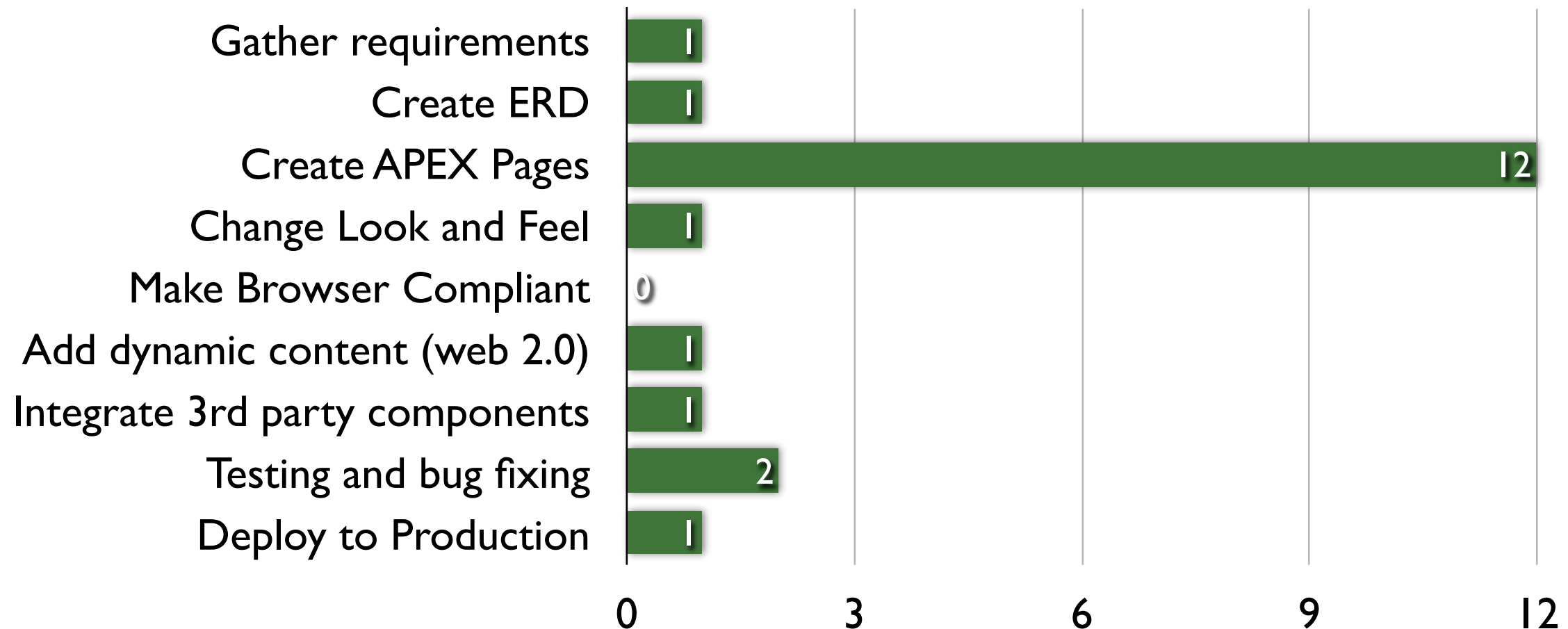
TIME SPEND DEVELOPING IN APEX 3.x

Project of 30 days



TIME SPEND DEVELOPING IN APEX 4.0

Project of 30 days (20!)



Summary

- APEX was revolutionary in the beginning
- But building web 2.0 applications, wasn't the easiest with APEX 3.x
- APEX 4.0 has become revolutionary again and will change the way we develop web applications
- Going from APEX 3.x to 4.0 in no time, but verify app and make use of new features

Q & A

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