

Partial and Gradual Migration

Wilfred van der Deijl

Who Am I?

- Wilfred van der Deijl
- 17 year Oracle enthusiast
- 1 of 70 Fusion Middleware Oracle ACEs
- Creator of OraFormsFaces (since 2005)

The Truth About Forms

Past & Future(?)

Block Mode



Character Mode



Client - Server



Webforms



???



ORACLE®
FORMS ROADMAP

Statement Of Direction

- Two parallel product offerings
 - Traditional: Forms, Reports, Designer
 - Java: JDeveloper, ADF (SOA)
- Support Strategy
 - Forms / Reports: “no desupport plans”
 - New dev. in ADF / BI Publisher

Forms & Reports Support

- 10.1.2 ended December 2011
- 11.1.1 ends June 2014 (ES-Jun17)
- 11.1.2 ends October 2016 (ES-Oct17)
- Forms & Reports 12c in the works
- Designer EOL since 10g
- Reports: limited new features since 10g
- Begin planning Reports to BI Publisher



Grant Ronald
Oracle
Product Manager

“Oracle recommends customers to **web deploy** their existing Forms and Reports applications, consider the opportunities of **new development** in Java EE using **JDeveloper and ADF** and **integrate** these applications together on the application server”



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“Oracle recommends customers to **web deploy** their existing Forms and Reports applications, consider the opportunities of **new development** in Java EE using **JDeveloper and ADF** and **integrate** these applications together on the application server”



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Oracle
Product Manager

“Given the **architecture difference** between Java EE and Forms or Reports, Oracle has **no plans** to offer a complete **migration solution**”

What Are Your Options?

Options

1. Continue as-is
 2. Replace with COTS
 3. Re-build / re-design
 4. Conversion
(automated?)
 5. Phased Migration
- Costs
 - Protecting Investment
 - Time To Market
 - Technology Lock-In
 - Risks

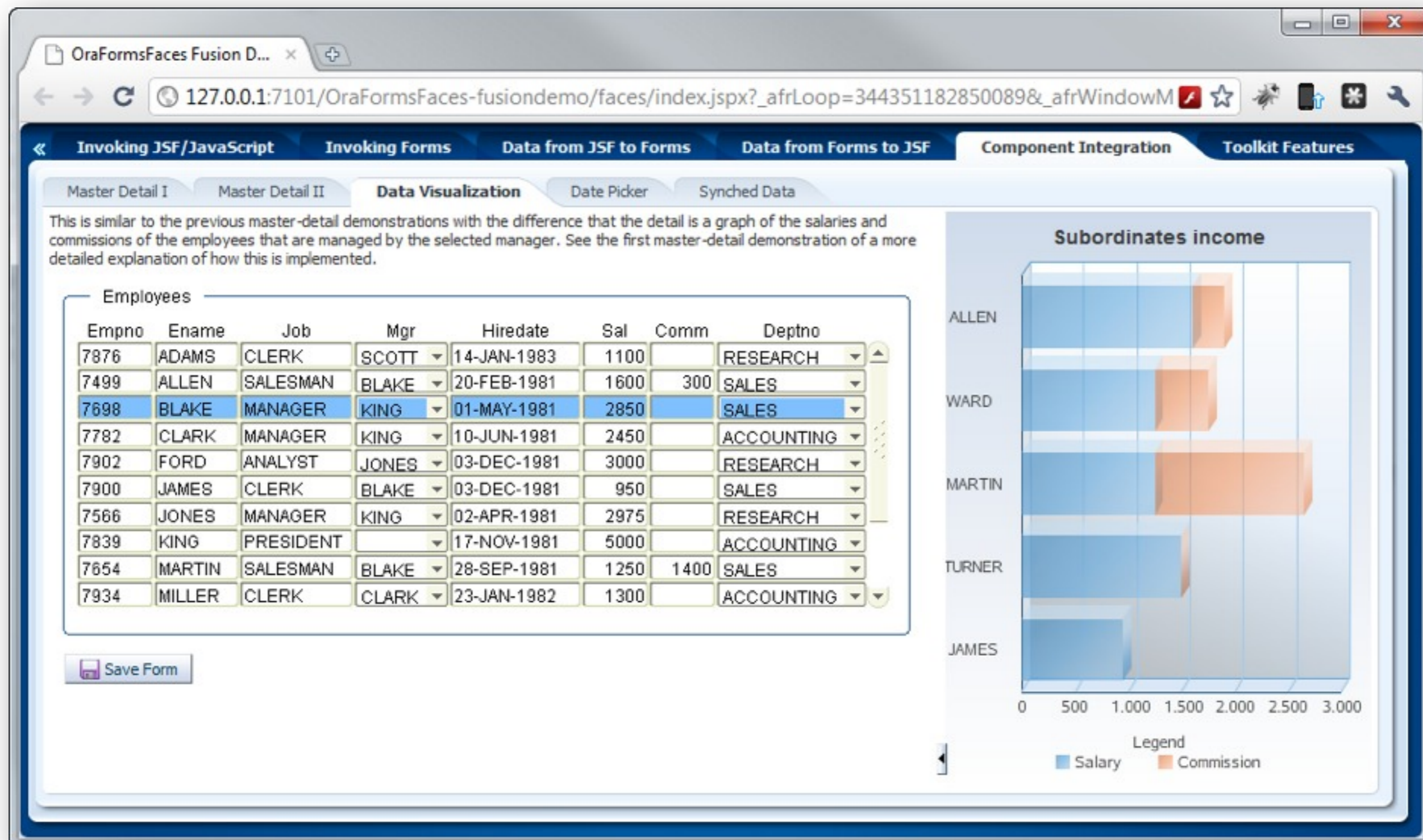


Phased Migration

- Long term: Re-Design (tip: JHeadstart)
- How to get there: Phased vs Big-Bang
 - Manageable projects
 - Support within organization
 - Limits risks
 - Take time to build experience
 - Agile

- Split application in independent modules
 - Not always possible
 - Users have to switch back and forth without context
- Single integrated application
 - User friendly
 - Not possible with Oracle tools

OraFormsFaces





This is similar to the previous master-detail demonstrations with the difference that the detail is a graph of the commissions of the employees that are managed by the selected manager. See the first master-detail demo for a detailed explanation of how this is implemented.

Employees

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Dept
7876	ADAMS	CLERK	SCOTT ▼	14-JAN-1983	1100		RESEARCH
7499	ALLEN	SALESMAN	BLAKE ▼	20-FEB-1981	1600	300	SALES
7698	BLAKE	MANAGER	KING ▼	01-MAY-1981	2850		SALES
7782	CLARK	MANAGER	KING ▼	10-JUN-1981	2450		ACCOUNTING
7902	FORD	ANALYST	JONES ▼	03-DEC-1981	3000		RESEARCH
7900	JAMES	CLERK	BLAKE ▼	03-DEC-1981	950		SALES
7566	JONES	MANAGER	KING ▼	02-APR-1981	2975		RESEARCH
7839	KING	PRESIDENT	▼	17-NOV-1981	5000		ACCOUNTING
7654	MARTIN	SALESMAN	BLAKE ▼	28-SEP-1981	1250	1400	SALES
7934	MILLER	CLERK	CLARK ▼	23-JAN-1982	1300		ACCOUNTING



Save Form

Date Picker

Synched Data

See that the detail is a graph of the salaries and
See the first master-detail demonstration of a more

Sal	Comm	Deptno
1100		RESEARCH
1600	300	SALES
2850		SALES
2450		ACCOUNTING
3000		RESEARCH
950		SALES
2975		RESEARCH
5000		ACCOUNTING
1250	1400	SALES
1300		ACCOUNTING

Subordinates income

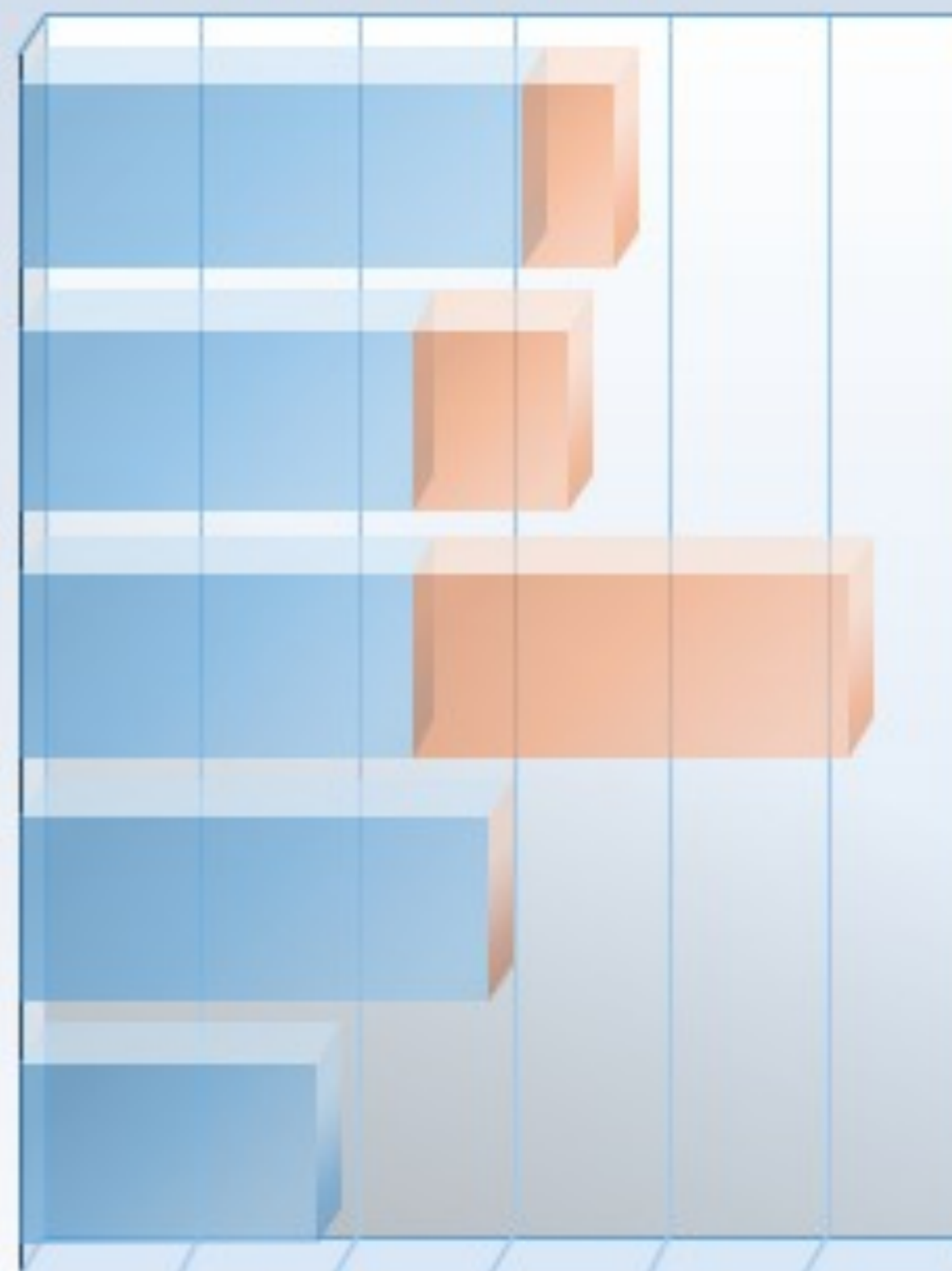
ALLEN

WARD

MARTIN

TURNER

JAMES



Summit - Windows Internet Explorer

http://oraformsfaces.commit-consulting.com:8889/forms/frmservlet?config=summit

Summit

ORACLE

Action Edit Query Block Record Field Help Window

SummitApplication - Control Panel

View: By Sales Rep

Customer List By Sales Rep

- Magee Colin
 - Beisbol Sil
 - Big John's Sports En
 - Ojibway Retail
 - Womansport
- Giljum Henry
 - Futbol Sonora
 - Unisports
- Sedeghi Yasmin
 - Hamada Sport
- Nguyen Mai

Exit

Cust. Name	Cust. Phone	Sales Rep Name
Womansport	1-206-104-010	Magee
Beisbol Sil	809-352689	Magee
Big John's Sports En	1-415-555-628	Magee
Ojibway Retail	1-716-555-717	Magee

Customer Info Address Billing Comment

Id 204

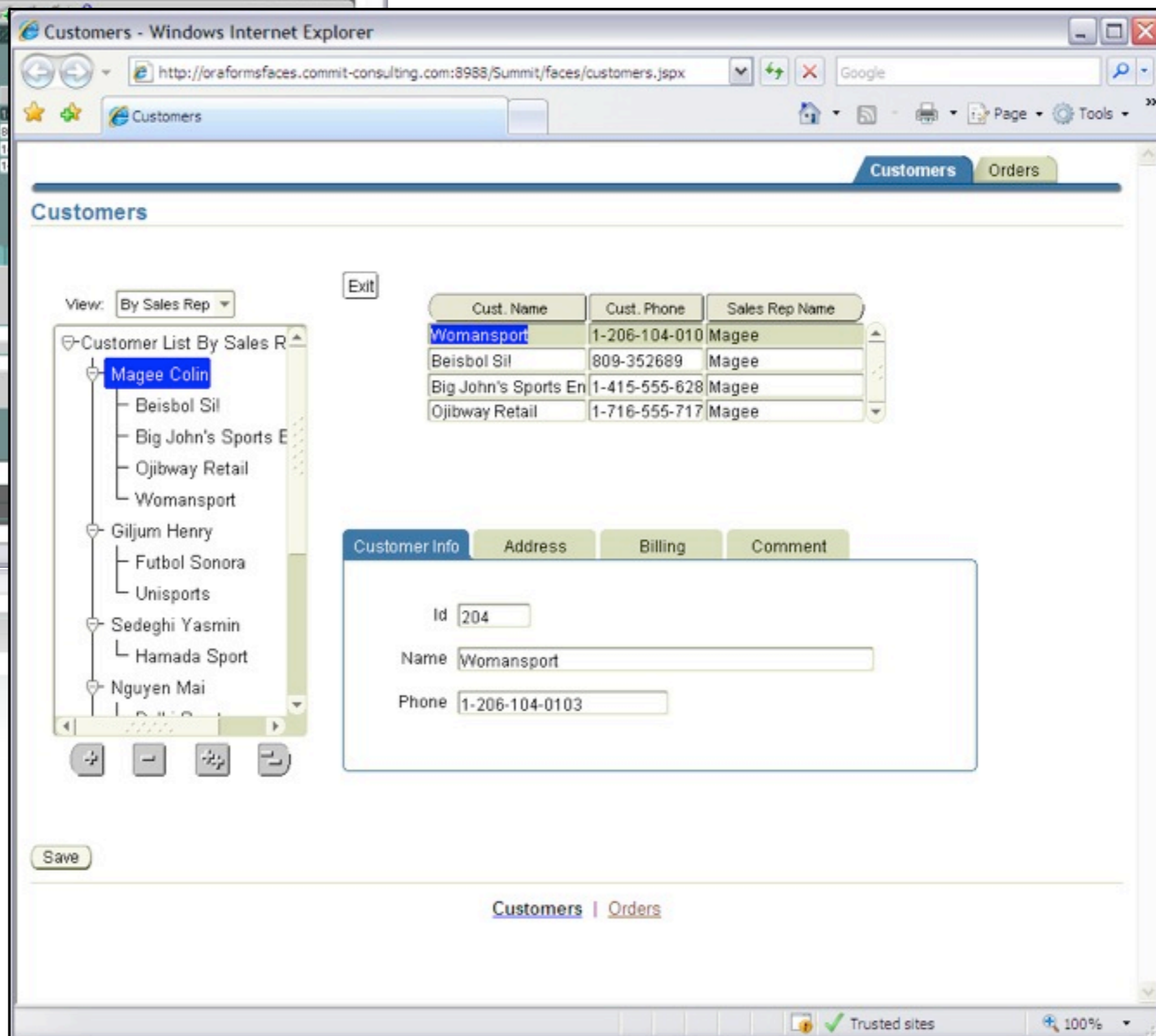
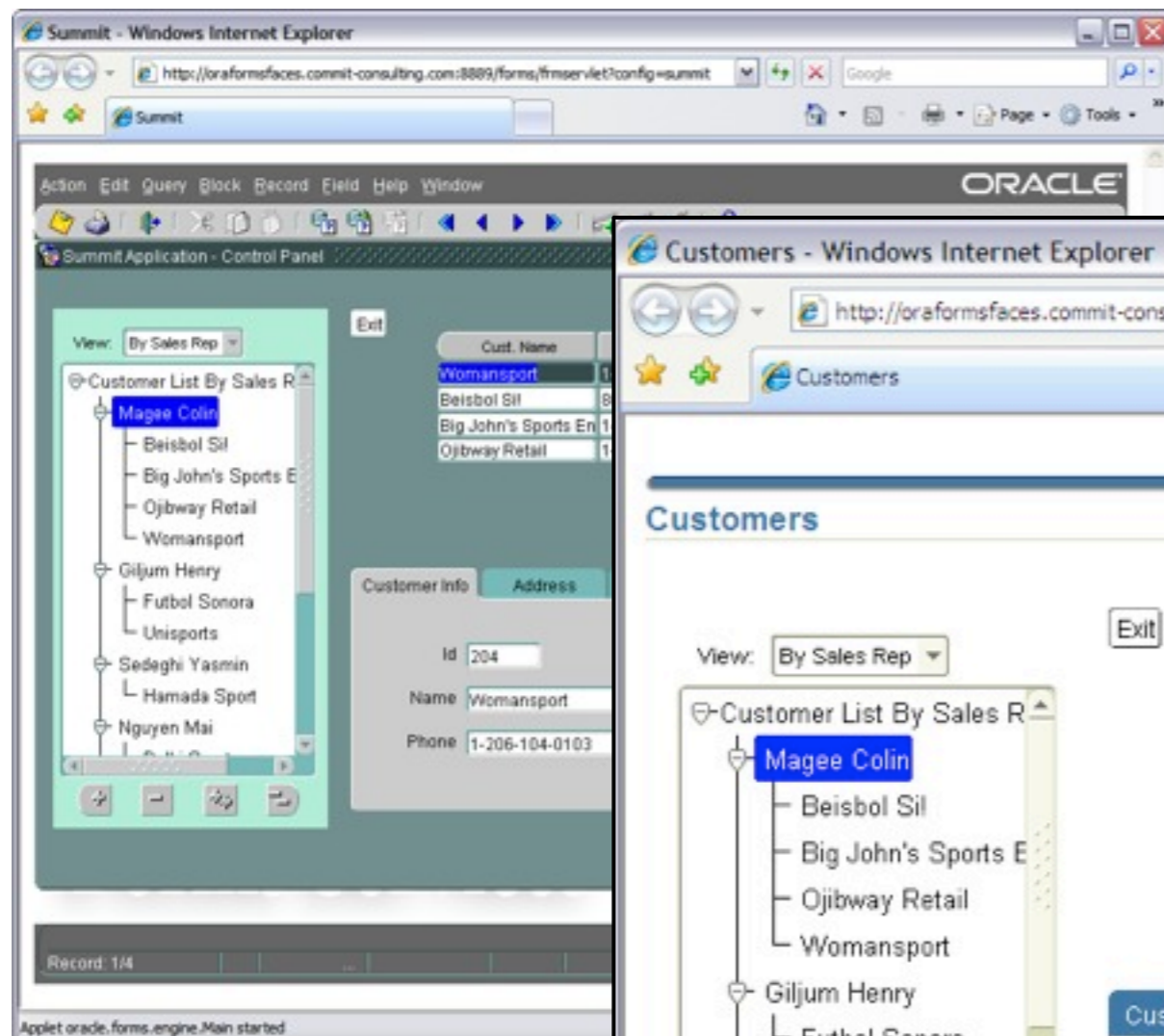
Name Womansport

Phone 1-206-104-0103

Record: 1/4

Applet oracle.forms.engine.Main started

Trusted sites 100%



Heart - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:8968/Oasis-ViewController-context-root/faces/pages/KidneyMatchesTable.jspx

willfred@vanderdeijl.com

Disable Cookies CSS Forms Images Information Miscellaneous Outline Resize Tools View Source Options

Home

Log Match Heart Lung Liver Pancreas Kidney Proc History

Heart

Select Donor	Center	ABO	Cat	Donor Data	Medical	HLA Typing	Marg. Liver	Obligations	50/50 Rule
<input checked="" type="radio"/> 068053	GBMTP	O	HB	20.09.1937, 70 yrs, Male, 1.80m, 85Kg, TLC 7.3, BMI 26			No	No	Yes

Save

Modify List

Jump/Add

Reports

Close

Sort by

☒ Rank

☐ Decision

Rescue Alloc

RECIPIENT

COMPLETE HEART LIST

Rank	Crit.	Urg.	ET-nr	Name	Cent	Req.	Lu Req	Decn. Org.	Decn. date	Comment
1		T	097290	FULVTOLYMUL	ANGTP					
2		T	100477	EUSRQURK	ANGTP					
3		T	102615	TRUI	GFDTP					
4		T	104466	FEUSN	ANGTP					
5		T	069967	HYARQ	GBDTP					
6		T	092101	KORY	GKITP					
7		T	105047	NUMPUNVI	GBATP					
8		T	106656	TIILVU	GBDTP	HE				
9		T	107392	VLIB	GMDTP					
10		T	083309	SILKNIMP	GBATP	HE				
11		T	107758	LASR	GBATP					
12		T	108175	BUHUL	GFDTP	HE				
13		T	108974	WIMKHYUL	ANGTP					
14		T	103934	TMEDD	GBATP	HE				
15		T	108673	FAHYUL	GBATP	HE				
16		T	110754	HYURRULUL	GMDTP					

Log | Match | Heart Lung | Heart | Lung | Liver | Pancreas | Kidney | Proc History | Home

Applet formsapplet started

Applet formsapplet started

Log | Match | Heart Lung | Heart | Lung | Liver | Pancreas | Kidney | Proc History | Home

Heart

Select	Donor	Center	ABO	Cat	Donor Data
<input checked="" type="radio"/>	068053	GBMTP	O	HB	20.09.1937, 70 yrs, Male, 1.80m, 85Kg, TLC 7.3, BMI 26

Save

Modify List

Jump/Add

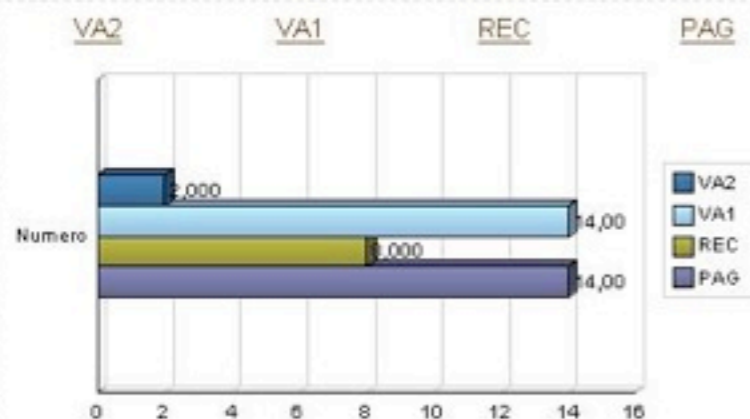
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4		T	104466	FEUSN	AWGTP		
5		T	069967	HYARQ	GBDTP		
6		T	092101	KORY	GKITP		
7		T	105047	NUMPUMVI	GBATP		
8		T	106656	TILVU	GBDTP	HE	
9		T	107392	VLIB	GMDTP		
10		T	083309	SILKNIMP	GBATP	HE	
11		T	107758	LASR	GBATP		

Proceso Guiado



Iniciar Proceso

Editar

Seleccionar	Numfac	Lsteta	Fecfac
<input checked="" type="radio"/>	2	REC	09-sep-2008
<input type="radio"/>	3	REC	09-sep-2008
<input type="radio"/>	4	REC	09-sep-2008
<input type="radio"/>	8	REC	09-sep-2008
<input type="radio"/>	47	REC	09-sep-2008
<input type="radio"/>	333	REC	09-sep-2008
<input type="radio"/>	512	REC	09-sep-2008
<input type="radio"/>	89	REC	09-sep-2008



Siguiente

Ventana

Invoice

Invoice

Year

N°

Date

State

Iva

Customer

2008			Received		

Lines

N°	Article	Quantity	Price Article

Customer

Registro: 1/1

What is OraFormsFaces?

- Toolkit to integrate Oracle Forms in web application
- Any web technology, focus on JSF / ADF
- No manual changes to Form modules
- Full end-user flexibility

Migration Strategy

1. Re-use Forms as web component
2. Immediate benefit from new web technology
3. Phased re-design
 - Do not underestimate learning curve
 - Business PL/SQL logic: Forms > DB
 - Set your own pace, one step at a time

Access & Pricing

- JDeveloper Help > Check For Updates
 - Enable “Open Source & Partner”
- ...or from www.oraformsfaces.com
- € 20 per FMX per server
(min. € 1000, max. € 6000)
- Support and upgrades after year 1
 - € 5 per FMX / server (max. € 1500)

Later Today

- Components and Applet Extension
- UI Clipping
- Database Session / Credentials
- Possible Usages
- **Developer Demonstration**
- **Tonight: deep dive**