

# Kako je počeo rat na mom desktopu

**Patrik Franković**



**Sektor za informatiku i telekomunikacije**

# Sadržaj

- Život na mom desktopu
- Bombardiranje desktopa
- Migrirati ili ne, pitanje je sad
- U čemu je razlika?!
- Pleši kako DžejDi svira

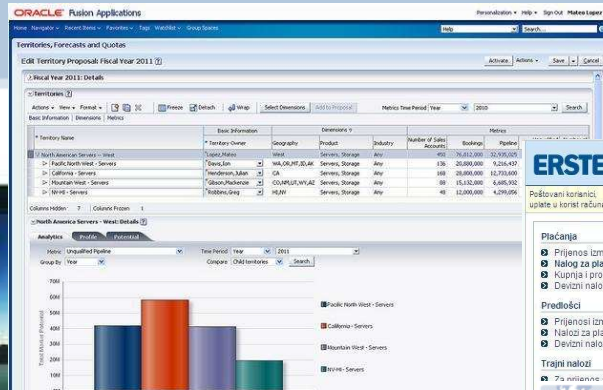
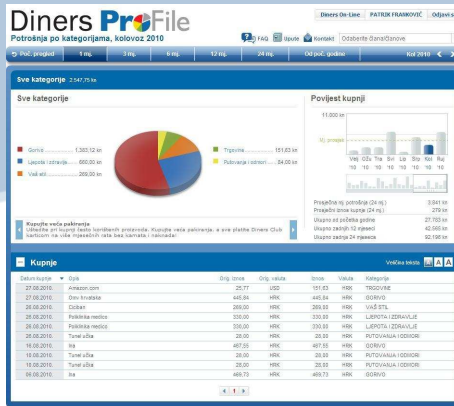
# Belle de Jour Rujan 2010.

ponedjeljak



The screenshot shows the Oracle Forms Builder application. The main window displays a canvas with a table titled 'Employees'. The table has columns for 'Emp ID', 'Last Name', 'Job', and 'Hire Date'. A 'JDeveloper Studio 1...' watermark is overlaid on the table. The 'Property Palette' is open on the right, showing properties for the 'DNAME' item, such as Name, Item Type, and Enabled. The 'Object Navigator' on the left shows the project structure for 'MODULE1', including Triggers, Alerts, Data Blocks, and Relations.

# Kol'ko ih ima....



**ERSTE BANK**

NetBanking

korisnik PATRIK FRANKOVIC

Broj računa plaćanja: 3201540261, Teući račun

Vautu: 191 HRK

Iznos na teret: [unutarnje polje]

Plaćanja

- Prijenos između računa
- Nalog za plaćanje
- Kupnja i prodaja deviza
- Devizni nalog

Predlozi

- Prijenos između računa
- Naloz za plaćanje
- Devizni nalog

**Gmail**

Search Mail Search the Web

Compose Mail

Inbox (5)

Starred

Chats

Sent Mail

Drafts (1)

All Mail

Spam

Trash

Contacts

Bob T. Monkey

Labels

- friends (3)
- mailing
- To Do
- vacation
- work (2)

Select: All, None, Read, Unread, Starred, Unstarred

From	Subject	Date
Caitlin, me (2)	Flight number? - Can you let me know which flight	Apr 19
me, Nathan (3), Draft	Gift ideas for Caitlin - Any ideas	Apr 19
Paige, me (3)	Shopping trip - Awesome, I'll see you then. We can grab i	Apr 18
Nicola Brennan	Friday drinks? - You guys free on Friday? We're thinking i	Apr 18
Lizzie, me (2)	Africa airfares - Cool, I'll check it out. Sounds like a good j	Apr 18
Caitlin Roran	Conference budget - We'll need to sit down with i	Apr 18
Nathan Woodward	Birthday cake - Any idea which kind of cake is	Apr 18
Lizzie, me (2)	Canceling tennis on Friday - No problem, it was	Apr 18
Caitlin Roran	March expense reports - I've attached the recent	Apr 17
me, Caitlin (4)	Meeting with Mitchell - I think it would be best if we	Apr 17
me, Nicola (2)	Photos - Can you send me that photo you mentioned ear	Apr 17
Paige Stevens	Camera shopping - Did you get the link for the	Apr 17
Zach, me (2)	Timesheets? - I think we should ask Wayne for hil	Apr 17
Nathan Woodward	Surprise party - I was wondering if maybe you and Susan	Apr 17
Nicola Brennan	Fishing - Hi guys, Mark and I have arranged th	Apr 17
Lizzie Astley	Trip to Africa - Hey, so do you still want to go? K	Apr 17

**facebook**

Kathryn Ortland's Profile (This is you)

Information

Account Info

Name: Kathryn Ortland

Member Since: August 2, 2005

Last Update: November 10, 2005

Basic Info

Geography: Seattle, WA

School: Oregon '05

Alma Mater: Alumnus/Aluma

Sex: Female

Journalism: Magazine

Japanese

Birthdays: 30/10/1982

Home Town: Bellevue, WA 98005

High School: Newport High School '00

Contact Info

ortland@gmail.com

kortland@uoregon.edu

http://www.nurme.com

Personal Info

Looking For: Whatever I can get

Interested In: Women

Men

In a Relationship

Political Views: Liberal

Interests: Photography, computers, hiking, scuba, Japan

Professional Info

Job: Rising star at SEOmoz.org

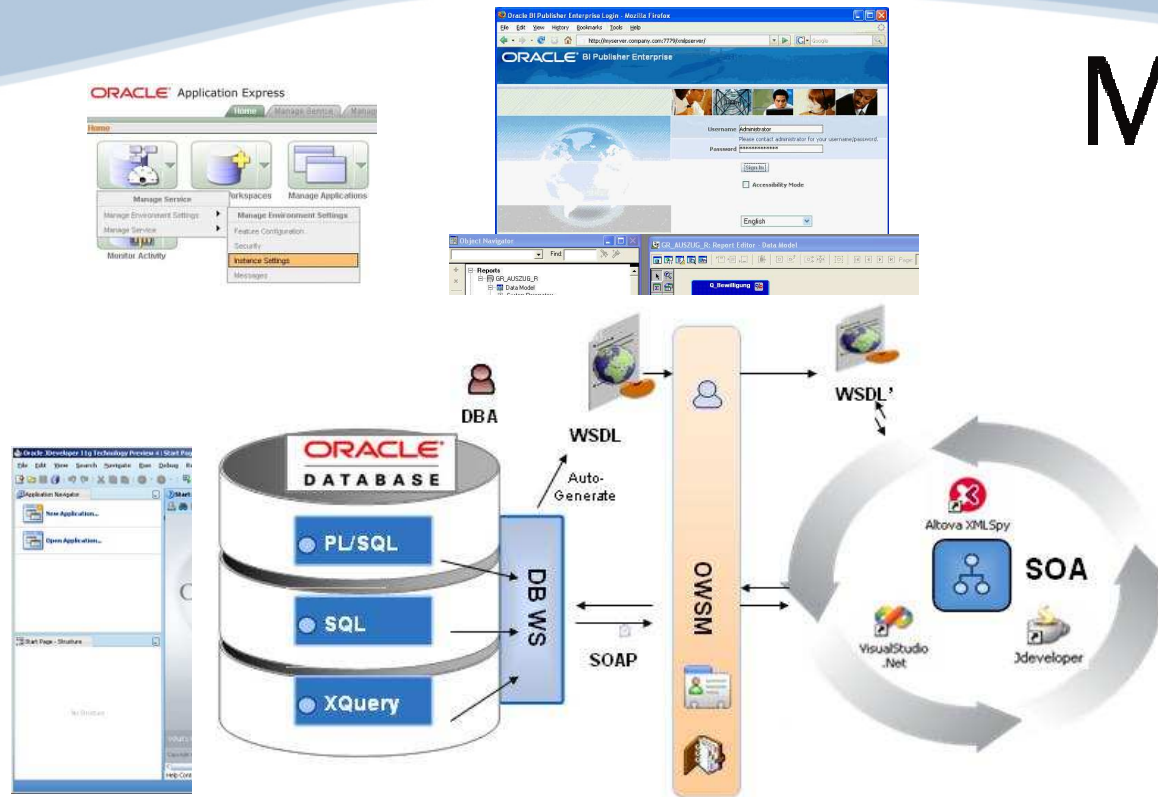
Tasks

- Pick up the milk Today
- Finish TPS reports Wed @ 5:00pm
- Return library books Friday
- Pay electricity bill Dec 27
- Call Caitlin
- Take over the world
- Apply for new passport
- Order Heroes DVD
- Prepare presentation
- Get bananas
- Research Africa airfares



...j\*\*\*\* kol'ko ih ima....

# Microsoft® net™

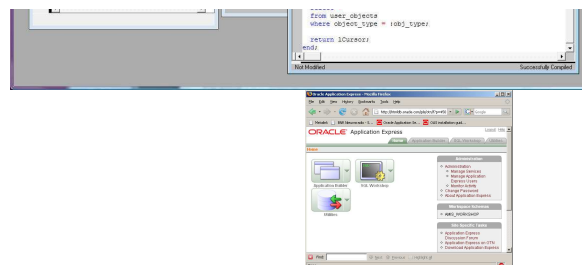


Encryption, Authentication (SSO, LDAP)  
Authorization, Audit etc

Oracle JDeveloper 11g  
11.1.1.3.0  
*Productivity with Choice*

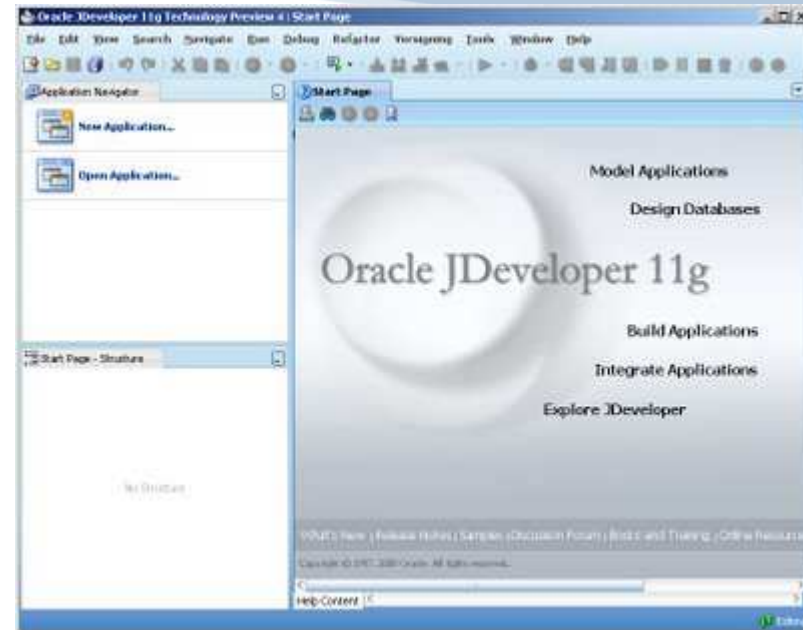
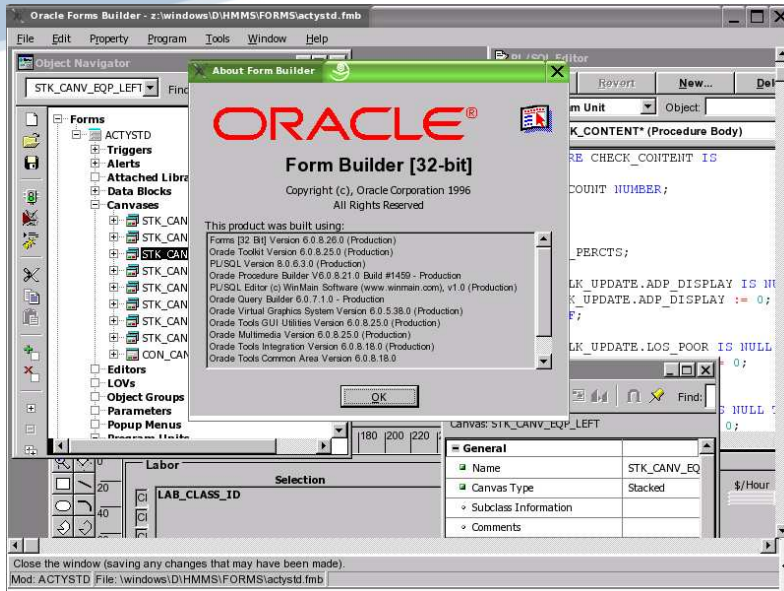
**ORACLE**  
Copyright © 1997, 2010 Oracle and/or its affiliates. All Rights Reserved.

**ORACLE** 11g  
FUSION MIDDLEWARE  
FORMS



**OO15**  
hroug

# “Just the two of us”



**Zašto uopće migrirati?  
Što time postizemo?**

# Mogući razlozi za migraciju

Poslovni zahtjevi se znatno i često mijenjaju i Forms ih teško ili uopće ne zadovoljavaju



Naše Forms aplikacije su stigle na kraj svoj životnog ciklusa

Impresioniran sam s Fusion tehnologijom

Naš nas posao tjera da usvajamo i primjenjujemo nove i moderne tehnologije

# Mogući razlozi PROTIV migracije

Mnogo smo uložili u razvoj Forms aplikacija i one još odgovaraju na naše poslovne zahtjeve

Dok radi ne diraj ništa!



Oprezni smo s uvođenjem i primjenom novih razvojnih alata i tehnologija

Naši su korisnici sasvim zadovoljni s "heads down" unosom podataka u Forms aplikacijama



# Mogući KRIVI razlozi za migraciju

Forms aplikacije su sve sporije. Prebacimo se u Javu jer će onda biti brže.

Oracle nam govori da napustimo Forms i da se prebacimo na Java/ADF/Apex



Ako se prebacimo na Javu uštedit ćemo mnogo novaca u razvoju.

Koliko ja znam Forms više nemaju podršku?

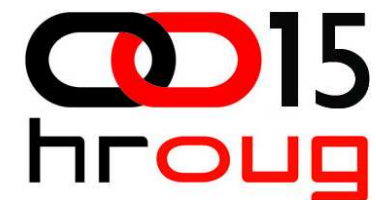
# “Ni zimi za Eskimi”

- ***“...There are no plans to desupport Oracle Forms and Reports...”***

- <http://www.oracle.com/technetwork/issue-archive/2010/toolssod-3-129969.pdf>

Oracle Tools Statement of Direction

- **Vrlo jasan stav i smjer razvoja**
  - Upgrade
  - Integrate
- **Oracle Forms 11g su dio Oracle FMW 11g**



# Lopta je okrugla?



# Razlike se ne smiju ignorirati

Oracle Forms	Fusion/Web Applications
<ul style="list-style-type: none"><li>• Java applet UI</li></ul>	<ul style="list-style-type: none"><li>• HTML/JavaScript</li></ul>
<ul style="list-style-type: none"><li>• PL/SQL scripting language</li></ul>	<ul style="list-style-type: none"><li>• Java (but still PL/SQL in the database)</li></ul>
<ul style="list-style-type: none"><li>• Stateful dedicated connections</li></ul>	<ul style="list-style-type: none"><li>• Stateless pooled connections</li></ul>
<ul style="list-style-type: none"><li>• No separation of UI and data elements</li></ul>	<ul style="list-style-type: none"><li>• Separate UI and data elements (MVC)</li></ul>
<ul style="list-style-type: none"><li>• Proprietary and fixed framework</li></ul>	<ul style="list-style-type: none"><li>• Standard and open (override and augment)</li></ul>

“Any attempt to [re-write] a Forms application to [Java, Apex ...] without taking into consideration the difference in architecture is in effect an effort at re-implementing the 20-year-old Forms runtime”

<http://www.oracle.com/technetwork/developer-tools/forms/documentation/formsmigration-133693.pdf>

**Grant Ronald, Oracle**  
ODTUG Journal



# Ista pašta drugo pakovanje?

Window

Orders and Items

Immediate  
Auto Query

Stock Image Off Help Exit ORACLE

Order Id: 100

### Order Information

Date Ordered: 31-AUG-1992  
Customer Id: 204  
Customer Name: Womansport  
Sales Rep Id: 11  
Sales Rep Name: Magee  
Date Shipped: 10-SEP-1992  
Payment Type:  Cash  Credit  Order Filled



Bunny Boot

Item Id	Product Id	Description	Price	Qty	Shipped	Item Total
1	10011	Bunny Boot	135	500	500	67,500.00
2	10013	Pro Ski Boot	380	400	400	152,000.00
3	10021	Bunny Ski Pole	14	500	500	7,000.00
4	10023	Pro Ski Pole	36	400	400	14,400.00

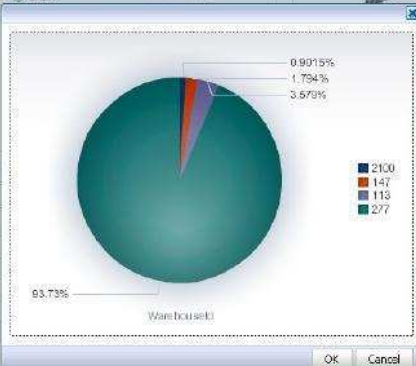
Order Total: 590,100.00

Summit Application  
ORACLE

Example of Forms Summit application redeveloped using Oracle JDeveloper 11g

Orders

Date Ordered: 31/08/1992  
Customer Id: 204  
Name: Womansport  
Sales Rep Id: 11  
Last Name: Magee  
Date Shipped: 10/09/1992  
Payment Type: CASH



Order Items

Item Id	Product Id	Name
1	10011	Bunny Boot
2	10013	Pro Ski Boot
3	10021	Bunny Ski Pole
4	10023	Pro Ski Pole
5	30326	Himalaya Bicycle

Order Items

Item Id	Product Id	Name	Price	Quantity	Quantity Shipped	Line Total
1	10011	Bunny Boot	135.00	500	500	67,500.00
2	10013	Pro Ski Boot	380.00	400	400	152,000.00
3	10021	Bunny Ski Pole	14.00	500	500	7,000.00
4	10023	Pro Ski Pole	36.00	400	400	14,400.00
5	30326	Himalaya Bicycle	552.00	600	600	331,200.00

Orders

Date Ordered: 53/08/1992  
Customer Id: 204  
Sales Rep Id: 11  
Payment Type:  CASH  CREDIT

Date Shipped: August 1992

# Gle divoteeee...

**ORACLE** Personalization Administration Help Logout Nicole McGee

Home Navigator Recent Items Favorites Tags Watchlist

Region	Rep	250,000	195,000	214,512	211,603	187,980	110
AMERICA	Terry Smythe	250,000	195,000	214,512	211,603	187,980	110
Commercial Apps	Evan Bellocourt	118,000	99,000	106,512	108,052	91,990	114
Prime Reps	Nicole McGee	90,000	69,000	73,656	75,012	63,180	117
Specialists/Overlay	Kelly Jones	90,000	69,000	73,656	75,012	63,180	117
APAC	Chris Thompson	12,536	10,500	11,396	10,565	7,600	114
EMEA	John Stanley	10,969	9,000	9,972	9,814	6,652	109

**AMERICA : Territory Details**

Analytics Territory Analysis Territory Profile

Analyze Territory

Filter Criteria

Sales Prospector Criteria

Potential Revenue: 0.0 to 276,273.0

Purchase Confidence: 0.0 to 97.0

Booked Revenue: 0.0 to 109,021.0

Company Size: 0.0 to 9000.0

Days To Close: 0.0 to 100.0

Transaction Timeframe

Account Profile

Account Install Base

Partner Relationships

My Relation to Account

Install Base: WhiteSpace Competitor

Competitor: Vision Technology Inc Vercom Software Content Designs Other Unknown

Advanced Marketing Online  
Vision Sales  
Vision Marketing for Communicat  
Vision Marketing Encyclopaedia  
Vision Brokerage  
Vision Payment Manager  
Vision Shopping Basket  
Vision Workflow  
Vision Communications Billing Au  
Vision Communications Service  
Vision Marketing Automation  
Vision Partner Advanced Marketi  
Vision Segement Manager

Department of Conservation  
Confidential End Users  
North and South Dakota Health Care Systems  
Banc de Sur  
Cabinet Office  
US Healthcare System  
National Bank of Ukraine  
Cashedge  
Canal + Caledonia  
Air Corp  
Department of Heavy Metal and Usage  
Alabama Communication  
Bank of Greece  
Comune Di Baronissi  
Fidelity Insurance  
Hospalano De Sur  
Banque de Suisse  
Royal Bank of Netherlands  
Energy Conservation Department

**AVITEK** Home Current Catalog Search Choose a list and item Add to Cart Apply

To complete your purchase, add the items to the list, choose quantity and press the check out button.

Popular Items

Active Users

Top Elements

Item Name	Quantity	Unit Price	Total Price	Item Location
1000022	1	13792000	13792000	NY, NY
1000023	1	13792000	13792000	NY, NY
1000024	1	13792000	13792000	NY, NY
1000025	1	13792000	13792000	NY, NY
1000026	1	13792000	13792000	NY, NY
1000027	1	13792000	13792000	NY, NY
1000028	1	13792000	13792000	NY, NY
1000029	1	13792000	13792000	NY, NY
1000030	1	13792000	13792000	NY, NY

The Connection to Global Inventory from the World's Most Trusted Brands.

**ORACLE**

Home Navigator Recent Items Favorites Tags Watchlist

Tasks

Search Tag

Search People

Search Name

Hierarchy

- Terry Lucca
- Anna Pascal
- Pat Miller
- Susan Wong
- Paul Shertoff

Details

- Person
- Employment
- Performance
- Talent Profile
- Compensation
- Benefits
- Calendar
- Blog
- Payroll
- Learning
- Time Card
- Expenses
- Projects
- Recruiting

**Salary History**

Comparison Salary

Change Date

Performance

Performance v. Potential

Potential

Meets Exceeds Outstanding

Suitability

Accountant

Leadership Teamwork Creativity Customer Service Communication Measurement Motivation Peer Support

Pat Miller (Latest Evaluation) Pat Miller (Prior Evaluations) Workers With Same Grade

Minimum Maximum Pat Miller

**ORACLE** Personalization Administration Help Logout Terry Lucca

Home Navigator Recent Items Favorites Tags Watchlist

Search People

Hierarchy

- Terry Lucca
- Anna Pascal
- Pat Miller
- Susan Wong
- Paul Shertoff

Details

- Person
- Employment
- Performance
- Talent Profile
- Compensation
- Benefits
- Calendar
- Blog
- Payroll
- Learning
- Time Card
- Expenses
- Projects
- Recruiting

**Terry Lucca**  
Sr. Accounting Manager  
Corporate Accounting

Contact Information

terry.lucca@vision.com  
352 555 3855  
647 555 4924

**Anna Pascal**  
Accounting Manager  
Corporate Accounting

Contact Information

anna.pascal@vision.com  
893 555 2028  
612 555 6960

**Stella Hahn**  
Technical Writer  
Corporate Accounting

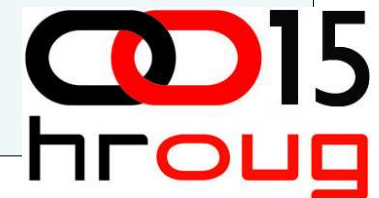
Contact Information

stella.hahn@vision.com  
709 555 1639  
732 555 9589

**Jason Blake**  
Accounting Manager  
Corporate Accounting

Contact Information

jason.blake@vision.com  
293 555 3282  
487 555 8025



# Nije bitno što možeš ti učiniti s ADF-om, već što ADF može učiniti za tebe!

- Skrivena kompleksnost tehnologije
  - Vizualni i deklarativni razvoj
  - ADF se brine o “instalacijama”
  - Metadata, a ne programski kod
- Tehnologija koju je Oracle izabrao za svoje buduće poslovne aplikacije
- Bazirana na standardima i open source-u
- ADF BC – prilično jednostavno za Forms developere
- Java je neizbježna

# Forms “out of the box”

- Konekcija na bazu
- **Block** = table (izvor podataka)
- Kešira podatke unutar **Forms record manager**
- Brine se o transakcijama
  - Locks, commits, rollback etc
- Primjenjuje bazna pravila(database constraints)
  - Not null, master/detail, tipovi podataka, primarni ključevi
- Mogućnost primjene deklarativne validacije
- Koristi **trigger** za primjenu korisničkih poslovnih pravila
- Mogućnost ugradnje raznih built-in-ova
  - LOVs, **record groups**, calculated fields, **Set\_Item\_Property**
- Definiranje svojstava za pojedine **elemente**
  - Format mask, background color, **initial value**, **update allowed**
- Razne vizualne komponente





# ADF “out of the box”

- Konekcija na bazu
- **View** = table (izvor podataka)
- Kešira podatke unutar **entity objects**
- Brine se o transakcijama
  - Locks, commits, rollback
- Primjenjuje bazna pravila(database constraints)
  - Not null, master/detail, tipovi podataka, primarni ključevi
- Mogućnost primjene deklarativne validacije
- Koristi **evente** za primjenu korisničkih poslovnih pravila
- Mogućnost ugradnje raznih built-in-ova
  - LOVs, **view objects**, calculated fields, **Set properties** ...
- Definiranje svojstava za pojedine **elemente**
  - Format mask, background color, **default value**, updatable always
- Razne vizualne komponente



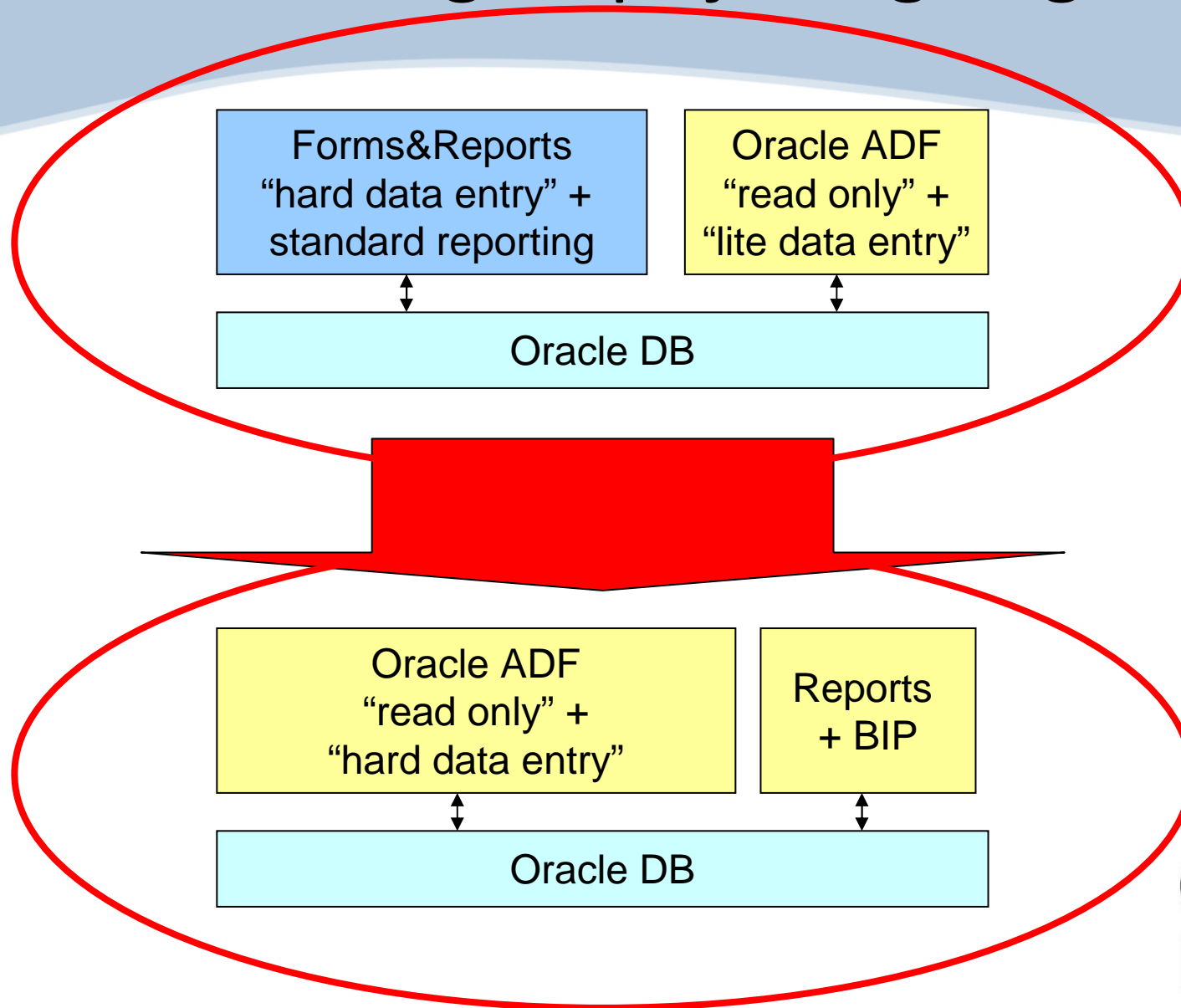
# 3 stvari do otoka sreće

1. Procjena opsega posla
  - arhitektura
  - “stil” aplikacije – client/server vs. web
2. Redizajn aplikacije
  - izazov Web 2.0 korisničkog sučelja
  - izbjegavanje HTML verziju Forms UI-a
3. Kombinacija 1. i 2.
  - prilagodba MVC modelu
  - razdvajanje poslovne logike i sučelja

# ADF iz vlastitog kuta

- Predznanje HTML-a i weba općenito poželjno
- Pogled preko zida
- Kakve vi to korisnike imate?
- Pita je slasnija od tablice
- Razmišljati objektno je poželjno, ali nije nužno
- Osobna SWOT matrica – koristite vlastite snage

# ADF – mogući prijedlog migracije



Pitanja?

**Hvala!**

Patrik Franković

[patrik.frankovic@hep.hr](mailto:patrik.frankovic@hep.hr)

