

# Dizajn modernih korisničkih sučelja

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- Povijesni razvoj korisničkih sučelja
- Tehnološke promjene koje utječu na modernizaciju sučelja
- “Tradicionalna” vs. “moderna” sučelja
- Mobilna sučelja
- Što Oracle nudi?
- Zaključak

## Sadržaj

Batch sučelja

Komandna linija

Tekstualna sučelja

1950.

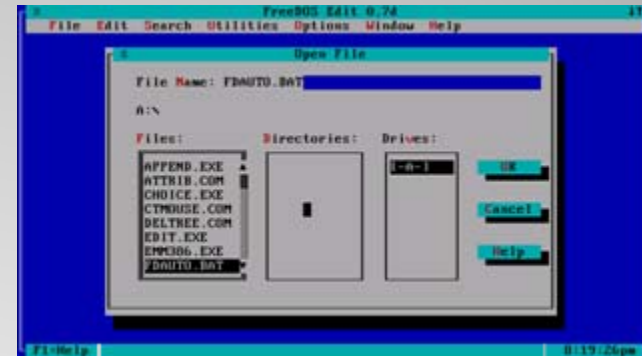
1960.

1970.

1980.

1990.

```
chealer@vinci:/usr/share/doc/bash$ export LC_ALL=C
chealer@vinci:/usr/share/doc/bash$ cd ~chealer/
chealer@vinci:~$ ls
cloutier  Ido      Musique  logs     skolo     sources
Desktop  Mes      images  boston  ncix.png  sabdk    vieus
chealer@vinci:~$ #why is there color when calling ls without arguments?
chealer@vinci:~$ which ls
/bin/ls
chealer@vinci:~$ $(!!)
$(which ls)
cloutier  Ido      Musique  logs     skolo     sources
Desktop  Mes      images  boston  ncix.png  sabdk    vieus
chealer@vinci:~$ type ls #ls doesn't just run /bin/ls
ls is aliased to `ls --color=auto'
chealer@vinci:~$ echo $PS1
${debian_chroot:+($debian_chroot)}u@h:\w$
chealer@vinci:~$ sh
sh-3.1$ echo $PS1
ls -vV$
sh-3.1$ echo $BASH_VERSION
3.1.17(1)-release
sh-3.1$ ls
cloutier  Ido      Musique  logs     skolo     sources
Desktop  Mes      images  boston  ncix.png  sabdk    vieus
sh-3.1$ echo $SHELLOPTS # ls isn't an alias in POSIX mode
braceexpand:emacs:hashall:histexpand:history:interactive-comments:monitor:posix
sh-3.1$ kill
kill: usage: kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill
-l [sigspec]
sh-3.1$ /bin/kill @ killerror # collect stdout and stderr of $ /bin/kill: in ki
llerror
sh-3.1$ wc -l !$
7 killerror
sh-3.1$ type kill # kill doesn't just run /bin/kill, even in POSIX mode.
kill is a shell builtin
sh-3.1$ !$ -n 9 $$ # OK, kill self
kill -n 9 $$ # OK, kill self
Killed
chealer@vinci:~$
```



# Povijesni razvoj korisničkih sučelja

Grafička sučelja

Web sučelja

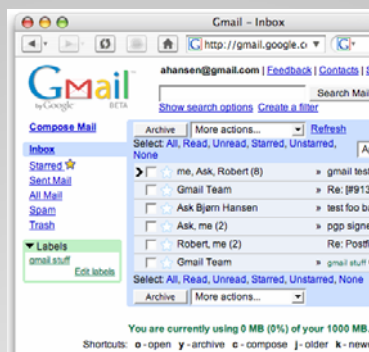
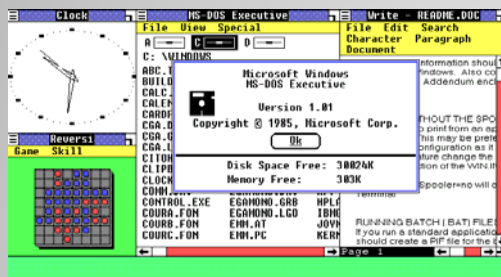
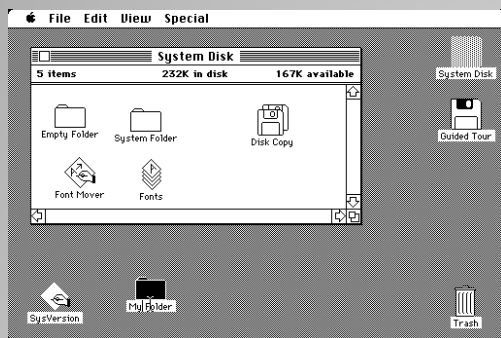
Mobilna sučelja

1980.

1990.

2000.

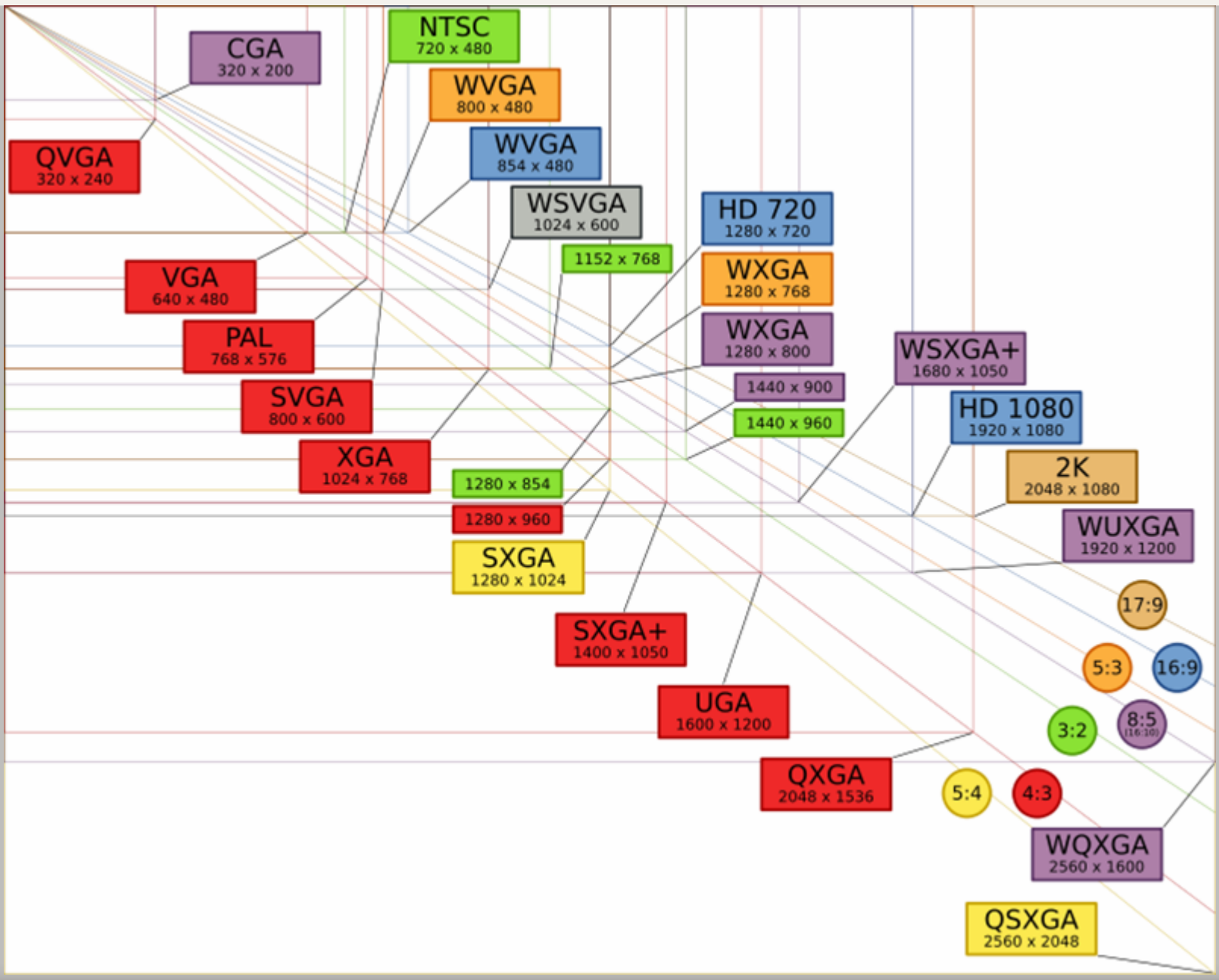
2010.



# Povijesni razvoj korisničkih sučelja

- Mrežno okruženje
- Novi ulazni uređaji
- Veći monitori i rezolucije
- Višemonitorski sustavi
- Novi oblici komunikacije (IM, VoIP...)
- Sve veća očekivanja korisnika

**Tehnološke promjene**



- Prozori
- Fiksna veličina aplikacije
- Samo jedan zadatak istovremeno
- Više neovisnih aplikacija

**Tradicionalna (desktop) sučelja**



Batch Status	Batch Name	Journal Name	Period	Journal Debit	Journal Credit
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**Find Journals**

Batch

Journal

Source  Period

Category  Currency

**Status**

Posting

Funds

**Control Total**

Batch

Journal

New Journal      Review Journal      Query

New Batch      Review Batch      More Actions

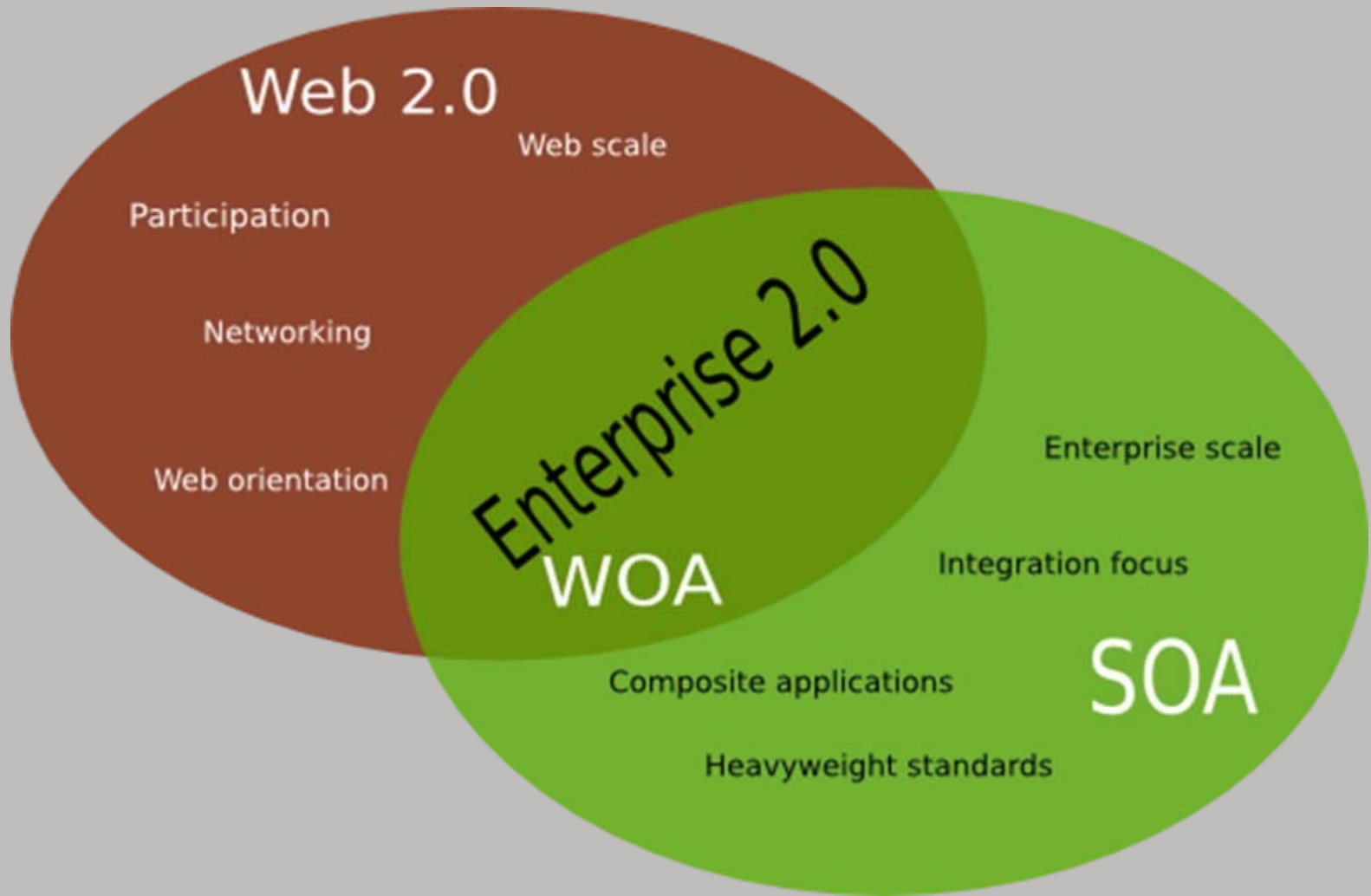


- Portleti
- Rastezljivost
- Personalizacija
  - Skinovi
  - Favorites
  - Quick links
- Integracija
- Kontekstualizacija
- Socijalne mreže
- Komunikacija
- Korisnici kreiraju sadržaj

## **Moderna (web) sučelja**

- AJAX
- Web 2.0
- Blog
- Wiki
- Mashups
- Tagging
- Cloud
- Enterprise 2.0
- User experience

**Buzzwords**





Scale:  
 1,400 mil  
 1,000 mil  
 600 mil  
 400 mil  
 200 mil  
 0 mil

■ Data file: [Population by Country 2007](#)
Data source: [US Census Bureau International Data Base](#)
⚠ This data set has not yet been rated.

# Word cloud

**New Hire Tasks**

- Personal Information
- Health Care Benefits
  - Select Health Plan
  - Select Dental Plan
  - Select Vision Plan
- Specify Dependents
  - Add a Dependent
  - Review Dependents
- Career Training
- Office Supplies
- 401 K & Savings
- Payroll & Policies
- Tax Information

activities progress

**New Hire Analytics**

Total New Hire Tasks	32
not started	9
completed	15
skipped	2
in process	6

[show task summary](#)

[New Employee FAQ](#)

**Help Center**

Steve Milligan

Steve Milligan: HR  
New Hire Supervisor

enter text message here

[main menu](#) : [self service](#) : [new employee](#) : [tasks](#) : [new hire activities](#) : [health care benefits](#) : [dependents & beneficiaries](#)

**Add a Dependent** status: In Process deadline: 10.08.04

**Dependent Personal Information**

First name  Prefix

Middle Name  Suffix

Last Name  Gender

Date of Birth

Social Security Number  -  -

Relationship

**Status Information**

Marital Status  As of:

Student  Yes  No As of:

Disabled  Yes  No As of:

Smoker  Yes  No As of:

Date of Death:

**Contact Information**

Home Address:  Same as Employee  Use Address Below

Street

Street #2

City, State, Zip

Country

Home Phone:  Same as Employee  Use Phone Number Below

**Karen Simmons**

new employee package  
 deadline: 12/14/2004

employee id:  
 48234FGN  
 dept mgr: [Michael Davis](#)

phone: 850.222.2587  
 email:  
[k.simmons@hp.com](mailto:k.simmons@hp.com)

office address:  
 Building E, #4320  
 18003 South West Main St.  
 Pleasanton, CA 94542

**Task Analytics**

**HMO Cost Impact**

Yourself	\$	85
Spouse	\$	15
Child 1	\$	20
+ Child 2	\$	10
<b>Total</b>	<b>\$</b>	<b>130</b>

**Knowledge Exchange**

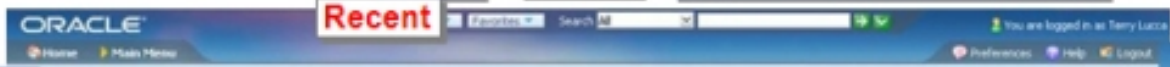
- [best plan for global sales...](#)  
i choose United PPO bec...
- [multiple beneficiaries...](#)  
i split my 401k in equal...  
my financial advisor recom...
- [savings plan questions...](#)

Favorites

Search

Recent

Preferences



Notifications

Global Worklist

- Notifications (32)
  - Approvals (11)
  - Alerts (14)
  - PIs (5)
  - Other (2)
- Budgets (1)
- Expenses (4)
  - Phone Bill
  - Household
  - SDC Training
  - Chicago Trip

Home

Notifications (7) (0) Actions

Approvals Alerts PIs Other

Priority	Title	From	Status	Date	Justification
	Expense Report: \$234.90	Sam Smith	Closed	05/02/06	a month cable cost
	Conf Request	Dustin Selig	Pending	06/03/06	UFA Conf
	System Request: Dell Laptop	Jose Markson	Pending	06/13/06	Old computer broke
	LOA Request: 56 days	John Cullen	Closed	06/29/06	Personal
	Vacation Request: 5 days	Peiyush Agarwal	Open	06/22/06	Vacation
	Usability Test Gift: \$800.30	Ethan Hunt	Open	05/25/06	Usability tests

Presence

- Abhishek Sefdar
- Benson Lam
- Carolina Pardo
- Christian Heuer
- Don Jordan
- Hossein Sagh
- Patrick Mittal
- Rahul Patel
- Steve Burns
- Todd Wender
- Wendy Deep
- Yael Singh

Online Meeting  
Clear  
Email  
New Profile  
New Chat

Email

Compose

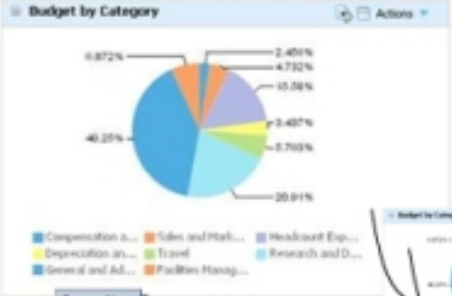
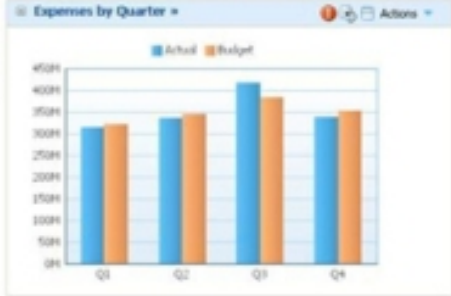
Full Details 10:09 am  
Re: K13 Update - RT for Oracle 11g

Once Sam, Jose 10:08 am  
Any idea on when share about Oracle

Rahul Patel 10:07 am  
On Oracle's partners supported part...

Steve Burns 10:07 am  
Any concerns regarding support...

Yael Singh 9:40 am  
Opportunity for RTO, etc.



Contextual Wiring

Budget by Category

Expenses by Quarter

Discussions

Favorite Forums

- Sales
  - Kit Sales Goal for Q4
  - Updates for Oracle
  - Training Schedule
  - Customer Presentation
  - Quarterly Report
- Research and Development
  - Prototype Model
  - Research Guidelines
  - New Engineering Specs
  - Directions to Lab
  - Test Plans

Documents

Documents

- Oracle All New Features
- Pushen Roadmap
- ORA Request Form
- SAP Competitive Info
- SAP Competitive Information
- Customer Usage (Quarter)

Communities

Communities

- My Workplace
- All Prospects
- Community ABC
- Ford Volt
- General Motors
- QRC Tracking
- KSA Trading
- Photography
- Sales Reps: PM Interaction
- Taxus Help
- Create Community...
- Open Community...

- Mobilnost
- Stalna dostupnost
- Lokacija
- Prisutnost kamere

**Mobilna sučelja – prednosti**

- Orijehtiranost na specifičan zadatak
- Samo najosnovniji podaci
- Promjena veličine slova, svjetline ekrana (zbog vanjskog osvjetljenja)
- Čitljivost (kontrast, manje grafike)
- Konzistentnost sa desktop dizajnom
- Scrolling (samo u jednom smjeru – vertikalno)

**Mobilna sučelja – vizualni prikaz**



- Touch screen
- Prepoznavanje rukopisa
- Glasovni unos
- Minimalni tekstualni unos
  - Ponuđene riječi
  - Pretraživanje po abecedi
  - Što više defaultnih vrijednosti
  - Što manje slobodnog teksta i velikih tekstualnih polja
- Navigacija shortcutima (brojevima)
- Osjetljivost na pomak i pokrete

**Mobilna sučelja – unos**

- Utjecaj ostalih aplikacija (telefonski pozivi, poruke, notifikacije)
- Bitna brzina odziva
- Pouzdanost veze
- Favorites
- Zvučni i vibracijski feedback (profili)

## Mobilna sučelja



PhonesOnline.ie



- Portal
- ADF Faces Rich Client
- SOA Suite
- WebCenter
  - Framework
  - Services
  - Interactions
  - AnyWhere

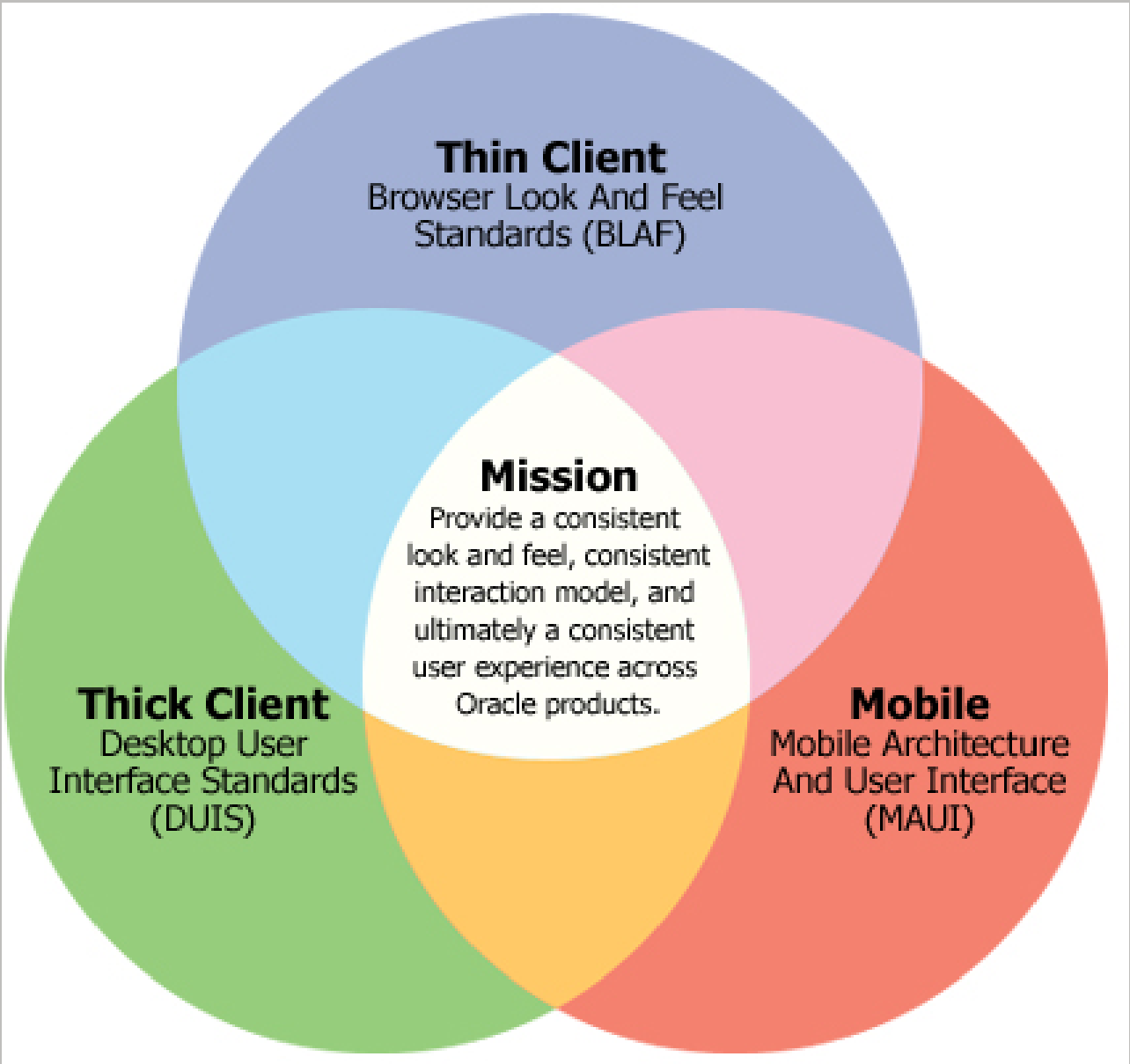
**Što Oracle nudi? - Proizvodi**

- ui
- usableapps
- otnsemanticweb
- mix
- wiki
- metalink



.oracle.com

**Što Oracle nudi?**



- Nova era korisničkih sučelja
- Rana faza razvoja
- Velik broj različitih tehnologija
- User Experience – fokus prelazi s računala na korisnika

**Zaključak**



**Pitanja**