PKI – mobilni

Tabele

- Basic Table
- Headerless Table
- Fixed Column
- Overview plus Data
- Grouped Rows
- Tables with Visual Indicators
- Editable Tables

- Prikazivanje podataka u tabelama na mobilnim uređajima predstavlja izazov
- Pronalaženje upotrebljivog načina da se velika količina podataka prikaže na malim ekranima
- Prilika da se izvrši revizija šta je od podataka za koje postoji želja da se prikažu stvarno neophodno

• Prikazivanje rezultata ispita

Test Scores						
Name	Score	Test Date				
Amy	77	07/14/2011				
Bob	84	06/23/2011				
Chris	95	07/14/2011				
Daniel	80	06/23/2011				
Eliza	64	08/10/2011				
Frank	81	06/23/2011				
Gene	92	06/23/2011				
Holly	67	07/14/2011				
Ivan	79	07/14/2011				
Kristen	83	06/23/2011				
Lois	99	06/23/2011				
Mandy	100	06/23/2011				



• Tabela bez hedera sa dinamičkom pretragom

Test Scores	arch	Test Scores	
Amy	C	Damien	A-
Test date: 08/10/2011	77 of 100	Test date: 08/10/2011	94 of 100
Bob	B-	Damon	C
Test date: 07/14/2011	84 of 100	Test date: 07/14/2011	78 of 100
Chris	A	Daniel	C
Test date: 06/23/2011	95 of 100	Test date: 06/23/2011	80 of 100
Daniel	C	Danny	B+
Test date: 08/01/2011	80 of 100	Test date: 08/01/2011	93 of 100
Eliza	F	Daphane	A+
Test date: 08/01/2011	64 of 100	Test date: 08/01/2011	99 of 100
Frank	C+		

Basic Table

- Tabela sa fiksiranim hederom koja koristi "grid layout"
- Boje kolona se naizmenično ponavljaju ili se stavlja tanka linija između kolona
- Linije koje odvajaju ćelije se obično izostavljaju kako bi se povećala čitljivost

Basic Table

ESPN SportsCenter i Stock Trainer za Android

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ESCMLB						
SCORES VIDEOS I	HEADLINE	s s1	TANDINGS			
DIVISION		WILD CA	RD			
AL EAST	W	L	GB			
*-BOSTON	97	64				
TAMPA BAY	90	71	7			
NY YANKEES	84	77	13			
BALTIMORE	84	77	13			
TORONTO	74	87	23			
AL CENTRAL	W	L	GB			
x-DETROIT	93	68				
CLEVELAND	91	70	2			
KANSAS CITY	85	76	8			
MINNESOTA	66	95	27			
CHICAGO	63	98	30			
AL WEST	W	L	GB			
x-OAKLAND	95	66				
TEXAS	90	71	5			

Equity Nan	ne	G\L	\$ CHG	%	CHG
EZPW	\$16.90	\$18.68	20	\$33	38.00
EZCORP, Ir	nc.	\$35.60		\$1.78	9.53%
AMAT	\$17.60	\$15.00	100	\$17	760.00
Applied Ma	aterials, Inc.	\$260.00		\$2.60	17.33
GOOG Google Inc	\$876.39	\$886.43 \$150.60	15	\$13 \$10.04	3145.8 1.13%
PFE	\$28.88	\$27.65	50	\$14	144.00
Pfizer, Inc.	Comm	\$61.50		\$1.23	4.45%
SSNLF ng Electror	\$1300.00 nics Co. Ltd	\$1140.00 . \$320.00	2	\$26 \$160.0 0	500.00 14.04
TGT	\$63.94	\$69.38	15	\$9!	59.10
Target Cor	poratio	\$81.60		\$5.44	7.84%



Basic Table

- Izbegavati linije za odvajanje ćelija koje su tamne boje
- Ako se izbegavaju vertikalne linije, potrebno je da je su kolone poravnate
- Tekst poravnati sa leve strane, a brojeve sa desne
- Ako ima previše podataka koji ne mogu da se prikažu na jednom ekranu ne koristiti "Basic Table"

- Karakterišu je debeli redovi koji prikazuju više promenljivih jednog objekta
- Nema nazive kolona
- Često sadrži identifikator reda ključni deo informacije koji je istaknut
- Identifikator reda- ikone ili veći font

BillGuard for iOS i Gas Guru za Android



- Idealne za prikazivanje skupa predmeta npr. inventar, recepti, albumi ili rezultati pretrage
- Kao i liste ove tabele su namenjene za brz pregled i akciju
- Vizuelni elementi kao što je poravnanje, font i boje su od velike važnosti
- Potrebno je jasno izdvojiti najvažnije informacije

 FlightBoard za iOS – klikom na odgovarajuću kolonu prikazuje se više informacija o letu

••ooo T-Mobile 🦘	₹ 3:41	РМ	1 74% 🗖	•০০০০ T-Mobile 🗢 3:41 PM 74% 📼
Airports _{Aus}	AUS De	partures om Int'l Air	port 7	Airports AUS Departures Austin-Bergstrom Int'l Airport
FLIGHT	DEST	GATE	DEPARTS A	FLIGHT DEST GATE DEPARTS A
Q Search Fli	ghts			Q Search Flights
B6 1094	JFK		1:20 PM	B6 1094 JFK 1:20 PM
64 453	LAS		1:25 PM	ALLEGIANT AIR (G4) 453 - EN ROUT
AA 277	DFW	13	1:33 PM	AUS Austin-Bergstrom Int'l Airport took off on time at 1:25 PM CST
WN 4569	LAS	12	1:48 PM	LAS McCarran Int'l Airport terminal lands 1m early at 2:06 PM PST 1
WN 689	HOU	8	1:49 PM	aircraft Boeing (Douglas) MD-80
US 453	CLT	20	1:50 PM	AA 277 DFW 13 1:33 PM
WN 3197	FLL	11	1:51 PM	WN 4569 LAS 12 1:48 PM
WN 2249	PHX		1.58 PM	WN 689 HOU 8 1:49 PM
DL 4751	SLC	5	2:11 PM	US 453 CLT 20 1-50 PM
C Flights fro Airport	om 1:40 P Local Tim	M to 1:40 ne: 3:41 PM	AM CST M CST	Last updated less than a minute ago (j)

• Realtor.com u poređenju sa Redfin za Android



Fixed Column

- Za velike tabele ovo može biti rešenje koje je u redu
- Kada korisnik ne skroluje vertikalno najlevlja kolona je fiksirana, a ostale mogu da se pomeraju
- Potrebno je korisniku naznačiti da ima mogućnost da vidi i druge kolone, kao i da je najlevlja fiksirana
- Najvažnije kolone bi trebalo da se podrazumevano prikazuju na ekranu

Fixed Column

• Roambi za iOS

Sample - Prescriber Info				Sample - Prescriber Info			
Prescriber	Territory	Specialty	¢	Prescriber	itram CM vs PM	Roambitram CM vs P4	Prextrol CM
ABBOTT, LAURIE	12BA1	NRP	WAT	ABBOTT, LAURIE	32.7%	0.9%	
ABISALIH, JOHN	12BA1	CD	AL	ABISALIH, JOHN	15.2%	-6.8%	
ABOULEISH, PATRICIA	12BA1	IM	HC	ABOULEISH, PATRICIA	50.6%	-17.3%	
AL-ATRASH, MARGARET	12BA1	IM	BŁ	AL-ATRASH, MARGARET	10.4%	2.8%	1
ALBERT, WILLIAM	12BA1	NRP	LE\	ALBERT, WILLIAM	24.5%	16.5%	1,1
ALESSI, STEVEN	12BA1	FP	LII	ALESSI, STEVEN	15.2%	-34.6%	
ALEXANDER, STACY	12BA1	FP	PRES	ALEXANDER, STACY	33.6%	-17.3%	-1
ANDERSON, PETER	12BA1	IM	RO	ANDERSON, PETER	-	110.1%	
ANDRIANOV, JAN	12BA1	IM	MAD	ANDRIANOV, JAN	16.1%	62.5%	-
ANIEL, LESLEY	12BA1	IM	RU	ANIEL, LESLEY	28.0%	33.6%	-
AUGER, CLIFTON	12BA1	FP	FAR№	AUGER, CLIFTON	-	-	
AXELSON, ROBERT	12BA1	NRP	WAT	AXELSON, ROBERT	-	-	
BARTLEY, FLIZABETH	12BA1	NRP	GU	BARTLEY, FLIZABETH	12.6%	-15.7%	-
الات	Û	\square	\bigoplus	וטו	Ê	\square	\bigcirc

Fixed Column

• Fidelity za iOS

No Service ᅙ	2:57 PM	€ 1 \$ ■ •	No Service ᅙ	2:57 PN	∧ ⊾ ≁ ∦ 🔤 🕂
	Watch List	Edit		Watch I	List Edit
Default Watch L	ist	•	Default Watch	List	▼
SYMBOL 🔺	LAST PRICE	CHANGE 9	SYMBOL A	DAY TRENE	DAY HIGH
. DJI DJ INDUSTRIAL A	16,020.33	+198.82	.DJI DJ INDUSTRIAL A		16,022.35
IXIC VASDAQ COMPO	4,062.77	+29.61	.IXIC NASDAQ COMPO		4,069.86
.SPX S&P 500 INDEX	1,804.87	+19.84	.SPX S&P 500 INDEX		1,806.04
FOTAL:		+\$248.27	TOTAL:		
Add Symbol			Add Symbol		
TAP ON A SECURIT DETAILS INCLUDING	Y TO ACCESS FULL QU G LINKS TO PERFORM		TAP ON A SECUR DETAILS INCLUDI	ITY TO ACCESS NG LINKS TO PE	FULL QUOTE RFORMANCE
🔒 Log In	% 0	ontact Us	Log	In	Contact Us

Overview plus Data

- Pregled sadržaja tabele prikazan iznad redova tabele
- Popularan je kod finansijskih aplikacija
- Može da se koristi bilo gde gde korisnik želi da vidi promene tokom vremena
- Pregled može biti tekstualni, ali se najčešće koristi grafički

Overview plus Data

 Personal Capital za iOS i Runtastic Heart Rate za Android

••••• AT&T 🗢 🎂 1:34 PM	9 70% -	\$ Y		🐨 🕼 📓 9:20				al 📋 4:00
Net Worth: \$2,39	9,551 •••	(B) Octodex		S O	<i>r</i> un	tortic Heart Rate	Y	C :
AUG 13 - SEP 11	\$31.1K	Content	Traffic	Referrers		HISTORY	0	MEASURE
CASH	\$16.6K \$19,801.97	1			65 <u>57</u> 50	1	11	= = AVG 57
Wells Fargo	\$570.14			Develo				
Business Checking - Ending in 0749	9 12:44 PM	F-1	VIEWS	People		DECEMBER 2012 (9)		
Wells Fargo	\$500.00	February 21	465	289	a	Resting HR	OF	51 💌
Business Market Rate Savings - End	ding i 12:44 PM	February 20	689	416		20/12/2012 17:58	00	J BPM
Wells Fargo	\$956.66	February 19	603	310	-\	General 20/12/2012 17:46	\cap	
Checking	12:44 PM	February 18	582	301			00	JU BPM
Wells Fargo	\$2,000.78	February 17	827	515	-A.	General	050	50 •
Savings	12:44 PM	February 16	1,864	951	V	20/12/2012 17:44	0.	JO BPM
INVESTMENT	\$1,248,110.02	February 15	1.768	1.182		General	0	-0 •
Fidelity	\$61,357.11	February 14	744	451		20/12/2012 17:41	0:	ЈО врм
Fidelity Brokerage	12:36 PM	rebluary 14	144	401		General	01	
Madrigal Electromotive	\$63,901.00	February 13	1,682	1,222	-/v	20/12/2012 17:40	Ut	ОО ВРМ
	0/20/13	\bigcirc	\Box			\uparrow	1	

Overview plus Data

- BillGuard za iOS: interaktivni pregled
 - crta liniju i prikazuje poređenje



Grouped Rows

- Grupisanje redova može olakšati čitanje podataka
- Potrebno je vizuelno odvojiti sumarni red
- Sumarni red treba da bude tanak i suptilan
- Sumarni redovi mogu da predstavljaju zaglavlja sekcija

Grouped Rows

- Zillow Mortgage Calculator za Android grupisanje transakcija po godini
- i Mint za Android grupisanje transakcija po kategoriji

0000 T -	Mobile ᅙ	2:37 PM	* 🗖	🛋 🗹 🖄 🔺 🎽	🗞 😨 🔏 🗖 10:39 PM
	Your pay	ment \$2,3	22/mo	K 🧳 Accoun	ts 🛦 🗘 🗄
	AM	ORTIZATION		All Accounts All Transactions	\$784,123
Total of Total of Total P	of Payment f Principal + Ir rincipal	ts \$83 nterest \$ \$	5,986/30yrs 655,048/30yrs 372,000/30yrs	CASH	
Total In	Iterest	\$	283,048/30yrs	Plus Checking University FCU (TX)	\$2,062 1 minute ago
Mo. Year 2	Principal \$550.63	S1,269.05	\$361,862.02	Money Market University FCU (TX)	\$1,526 1 minute ago
8 9	\$552.46 \$554.39	\$1,267.12 \$1,265.19	\$361,309.56 \$360,755.17	Regular Savings	\$5 1 minute ago
10	\$556.33	\$1,263.24	\$360,198.84	CREDIT CA	ARDS
11 12	\$558.28 \$560.24	\$1,261.30 \$1,259.34	\$359,640.55 \$359,080.32	CREDIT CARD Problem signing in!	-\$18,231 3 months ago
Year 3 1	\$562.20	\$1,257.38	\$358,518.12	Discover Discover Card	-\$15,121 1 minute ago
2	\$564.17	\$1,255.41	\$357,953.95	CREDIT CARD	-\$107
3	\$566.14	\$1,253.44	\$357,387.81	Problem signing in!	3 months ago
4	\$568.13	\$1,251.45	\$356,819.68	Cons - New Auto	-\$9,915

- Kod ovih tabela ikone mogu da pojačaju informacije koje se prikazuju u tabeli
- Potrebno je voditi računa da se tabela ne pretrpa

•Sleep Charts za Android

🕴 🍎 💦 🛜 📶 🗺 🛱 07:24	4 j – C	ک) 🕼 🛜 (i (x) 00:46
Sleep 🛧 🛧 🕂	Sleep as And	roid		ار (+
anti-pattern stats Noise add	anti-pa	attern		E ADD-C
	Duration Deficit	Dee Cy	os p sleep voles	Noise Snoring
11/06 4:23 → 12:11 (7:28) Europe/Prague	8:10	- 40	0%	17%
Am MAm CWIAG	+0:10	3:1	4 5x	0:05
5 6 7 8 9 10 10/06 4:20 \rightarrow 10:10 (5:50)		Total defic	cit +1:51	
Party and a lot of #alcohol	Day	Duration Deficit	Deep sleep Cycles	Noise Snoring
5 6 7 8 9 ⊥ 10 09/06 2:23 → 11:48 (9:05) Europe/Prague ★★★☆☆ Should have not drink #caffeine before sleep	08/08 Thursday	5:41 -2:19	31% 1:44 4x	24% 0:01
	07/08 Wednesday	8:22 +0:22	41% 3:27 7x	27% _
Too much #work	06/08 Tuesday	7:44 -0:16	51% 3:55 8x	-
3 4 5 6 7 8 9 10 07/06 4:25 → 11:53 (7:12)	05/08 Monday	6:14 -1:46	33% 2:03 5x	15% 0:01
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	04/08	11.40		
Filter 416 records	,   Detaile	d statistic	s Charts	and advice fo better sleep

Roambi Sales
 Reports za iOS

	tore	Sample - Sales by Store			
Monthly Sales ●	$(\mathbf{i})$	Customers vs Store Visitors			
All	177 >	All	177		
Corner Type	16 >	Corner Type	16		
♥ \$69.8K		48.2K	53.		
Inside Mall	33 >	Inside Mall	33		
▼ \$76.4K →	<b>\$68.4</b> K	287K	28		
Mini Mall	20 >	Mini Mall	20		
● \$58.2K ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆		77.4K	74		
Movie Center	18 >	Movie Center	18		
\$30.2K		47.9K	50		
Plaza	36 >	Plaza	36		
♥ \$174K >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	→ \$154K	148K	14		
Premium	20 >	Premium	20		
\$103K	- \$110K	54.8K	54		
Super Store	12 >	Super Store	12		
- - Il Ilui	$\bigcirc$	,, ll m			
Sample - Sales by S	tore	Sample - Sales b	v Store		
Sample - Sales by S Total Sales by Product	tore (i)	Sample - Sales b Net Profit	y Store		
Sample - Sales by S Total Sales by Product	tore 177 >	Sample - Sales b	y Store		
Sample - Sales by S Total Sales by Product All Corner Type	tore  177 > 16 >	Sample - Sales b Net Profit All Corner Type	y Store 177 16		
Sample - Sales by S Total Sales by Product All Corner Type	tore  177 > 16 >	Sample - Sales b Net Profit All Corner Type \$73.7K	y Store 177 16		
Sample - Sales by S Total Sales by Product All Corner Type	tore  177 > 16 > 33 >	Sample - Sales b Net Profit All Corner Type sr3.7K Inside Mall	y Store 177 16 \$4 33		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall	tore  177 > 16 > 33 >	Sample - Sales b Net Profit All Corner Type \$73.7K Inside Mall \$288K	y Store 177 16 \$4 33 \$2		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall	tore  177 > 16 > 33 > 20 >	Sample - Sales b Net Profit All Corner Type \$73.7K Inside Mall \$288K Mini Mall	y Store 177 16 \$4 33 • \$2 20		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall	tore  177 > 16 > 33 > 20 >	Sample - Sales b Net Profit All Corner Type \$73.7K Inside Mall \$288K Mini Mall \$55.7K	y Store 177 16 \$4 33 • \$2 20 \$7		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall Movie Center	177 > 16 > 33 > 20 >	Sample - Sales b Net Profit All Corner Type \$73.7K Inside Mall \$288K Mini Mall \$57.7K Movie Center	y Store 1777 16 \$4 33 \$2 20 \$7 18		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall Movie Center	177 > 16 > 33 > 20 >	Sample - Sales b Net Profit All Corner Type \$73.7K Inside Mall \$288K Mini Mall \$575.7K Movie Center \$47.4K	y Store 1777 166 344 333 200 200 57 188 544		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall Movie Center Plaza	tore  177 >  16 >  33 >  20 >  18 >  36 >	Sample - Sales b Net Profit All Corner Type \$73.7K Inside Mall \$288K Mini Mall \$575.7K Movie Center \$47.4K Plaza	y Store 1777 166 333 33 200 \$77 188 366 \$44 366		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall Movie Center Plaza	177 > 16 > 33 > 20 > 18 > 36 >	Sample - Sales b Net Profit All Corner Type	y Store 1777 166 333 344 333 200 577 188 346 544 366 366 366 366 366 366 366 3		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall Movie Center Plaza Premium	tore	Sample - Sales b Net Profit All Corner Type	y Store 1777 166 44 333 4 200 57 188 4 366 4 366 544 366 366 366 366 366 366 366 3		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall Movie Center Plaza Premium	tore	Sample - Sales b Net Profit All Corner Type	y Store 1777 166 44 333 4 200 57 188 4 366 54 366 54 366 54 366 54 366 54 366 54 366 546 546 546 546 546 546 546 5		
Sample - Sales by S Total Sales by Product All Corner Type Inside Mall Mini Mall Movie Center Plaza Premium Super Store	tore  177 >  16 >  33 >  20 >  18 >  20 >  12 >  12 >	Sample - Sales b Net Profit All Corner Type	y Store 1777 166 \$44 333 \$20 200 \$77 188 \$44 366 \$44 366 \$44 366 \$45 \$45 \$45 \$45 \$45 \$45 \$45 \$45		

- PayPal za iOS 6 i iOS 7
- Drugi dizajn je bez ikone i povećava čitljivost
- Vizualne indikatore koristiti samo kada poboljšavaju preglednost

••000	T-Mobile ᅙ 11:28 PM		No Service 🗢	4:52 PM	6 1 \$ ==+
Rec	cent Activity Activity	Q	Shop R	ecent Activity	View All
This	s Week				7
•	JCPenney Corporation, Inc. Order	- \$154.04 Oct 21, 2013	Melissa Goyette Completed	e No	- \$24.35
<b>Ø</b>	Credit Card Transfer	<b>- \$75.78</b> Oct 20, 2013	MBK SALES	BK SALES -	
0	Zappos.com Refund	+ <b>\$75.78</b> Oct 20, 2013	Completed	No	ov 22, 2013
Las	t Week		Rollbackdeal.co	om LLC	- \$64.95
0	PROACTIV Payment	<b>- \$25.94</b> Oct 14, 2013	Tiffany Telles	1 **	- \$13.45
0	Bank Account Transfer	+ <b>\$25.94</b> Oct 14, 2013	Completed	No	> 22, 2013
0	Angie's List Inc Payment	- \$1.75 Oct 14, 2013	The Home Depo Completed	ot	\$267.66 >
0	Bank Account Transfer	+ <b>\$1.75</b> Oct 14, 2013	JCPenney Corpo	ration, Inc. +	\$135.02
0	<b>PROACTIV</b> Authorization	- \$25.94 Oct 14, 2013	Completed	N	ov 17, 2013
<b>Ø</b>	Christopher Reed Payment	- <b>\$8.99</b> Oct 13, 2013	JCPenney Corpor Completed	ration, Inc.	+ \$19.02 >
-		*** ***	500		AF 00
			Activity Tra	nsfer Wallet	Settings

- Javljaju se isključivo kod tabela u spreadsheet aplikacijama kao što su Microsoft Office, Google Drive
- Jasno naznačiti koja ćelija je odabrana
- U zavisnosti od formata ćelije ponuditi korisniku odgovarajući editor
- Potvrda nije neophodna kod svake promene, dovoljna je samo kada se pamti dokument

- Office za Windows Phone
- Klik na ćeliju otvara opcije u meniju koje odgovaraju toj ćeliji
- Klik na fx otvara meni za funkcije



• Google Drive za Android: selektovanjem ćelije otvara se polje za unos

	A	G	н			A	G	н	
1					1				
2		5	6		2		5	6	
3		August 20	August 27	5	3		August 20	August 27	
4	previous weeks are hidden		scope check-in Marie working out of town DEV INVOLVED		4	previous weeks are hidden		scope check-in Marie working out of town DEV INVOLVED	
5					5			•	
6					6				
7				1.1	7				-
8			visual direction		8			visual direction	
9			concepts	final di	9			concepts	final d
10					10	-			
12			clickable prototype	e.	12			clickable prototype	9
13					13				
14		android native	app: 3-5" (MDPI,	HDPI,	14		android nativ	e app: 3-5" (MDPI,	HDPI,
15			clickable prototype		15			clickable prototype	2
16					16				
17					17				

#### • Numbers za iOS



#### Literatura

• "Mobile Design Pattern Gallery, 2nd Edition", Theresa Neil