



UNS
UNIVERSITAS
SEBELAS MARET

D3 TEKNIK INFORMATIKA

Mata Kuliah : Proses Bisnis dan SIM
Tahun : 2013

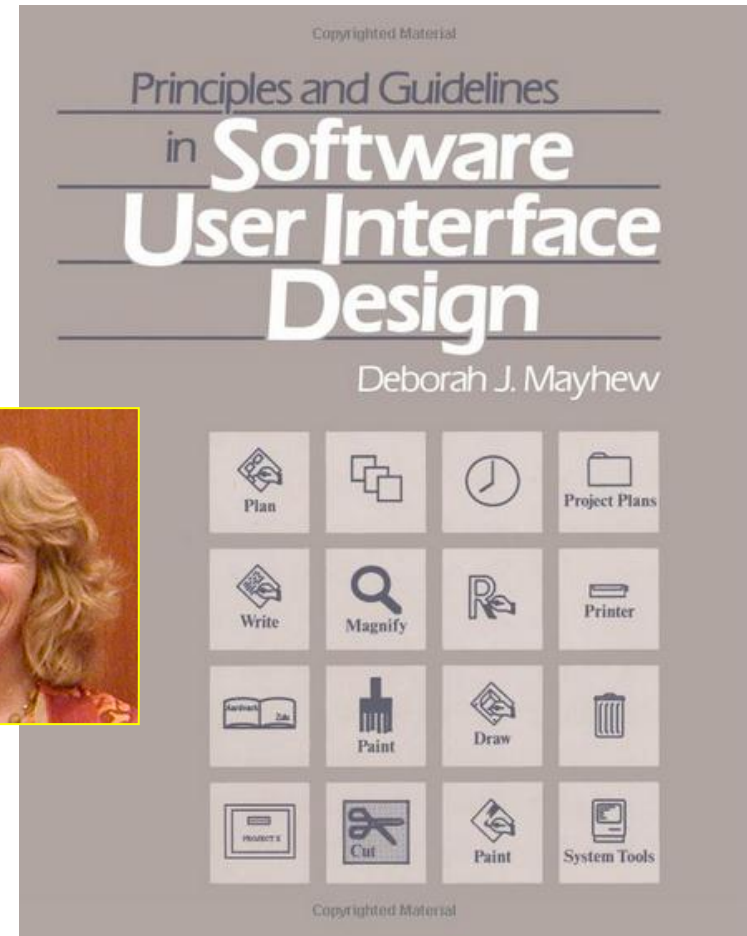
Lab 12

USER INTERFACE (UI) ANALYSIS DESIGN

14 Prinsip UI

Dalam perancangan antarmuka, ada beberapa prinsip yang harus diperhatikan (Deborah, 1992) :

1. Kompatibilitas Pengguna
2. Kompatibilitas Produk
3. Kompatibilitas Transisi Antar Tugas
4. Konsistensi
5. Kebiasaan
6. Kesederhanaan
7. Manipulasi Langsung
8. Kontrol
9. Efektivitas (tepat dalam penggunaan)
10. Efisien dalam penggunaan
11. Keamanan dalam penggunaan
12. Kesesuaian Fungsi
13. Mudah dipelajari
14. Mudah diingat



“Error” Design

- Tidak Konsisten (lack of consistency)
- Miskin Bantuan (no guidance/help)
- Warna terlalu banyak
- Font yang rumit
- Susah Dipelajari
- Terlalu Secure (Tidak Sesuai User)

Patient Information

Patient Name
First Name:
Last Name:

Address:
Street:
City:
State/Province:
Zip Code/Postal Code:
Home phone:
Office Phone:
Cell Phone:

Referring Doctor:
First Name:
Last Name:
Street:
City:
State/Province:
Zip Code/Postal Code:
Office Phone:

(a) Vertical flow

Patient Information

Patient Name
First Name: Last Name:
Street: City: State/Province: Zip Code/Postal Code:
Home phone: Office Phone: Cell Phone:

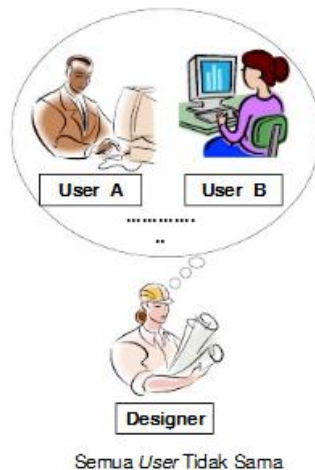
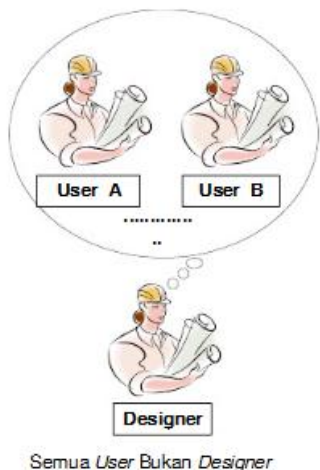
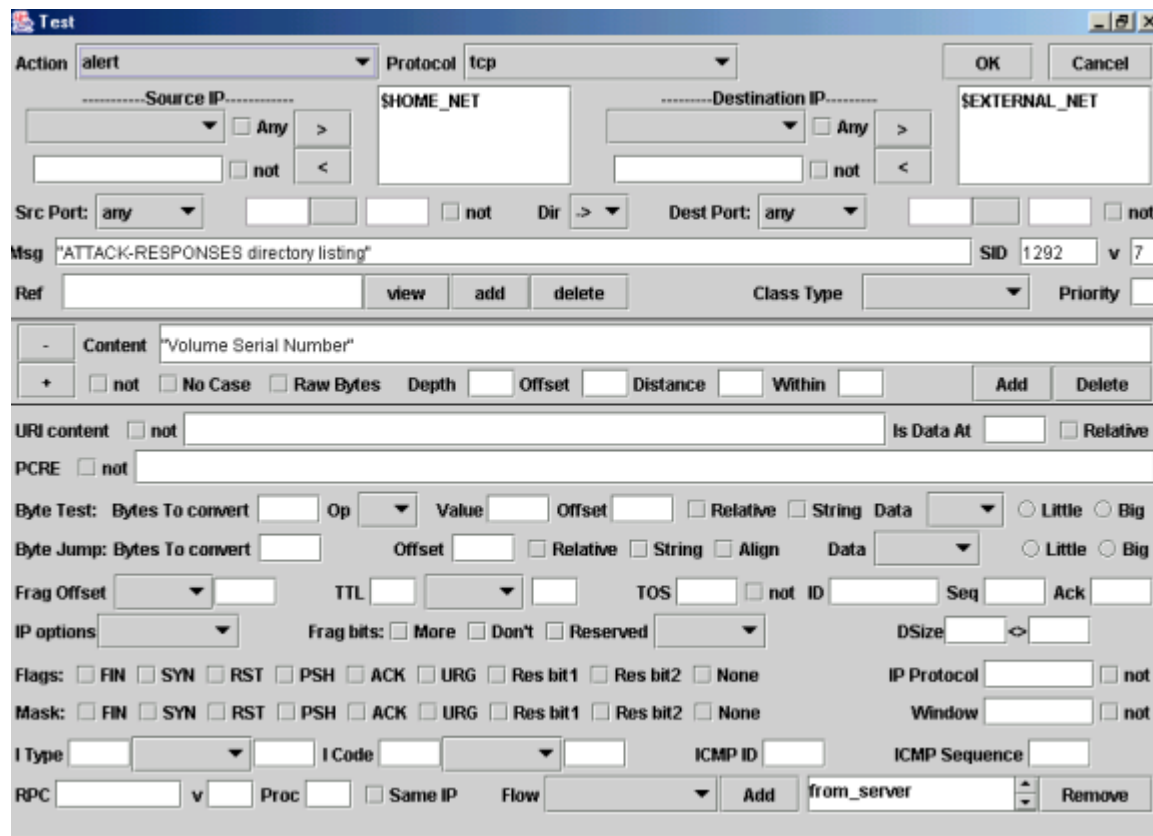
Patient Name
First Name: Last Name:
Street: City: State/Province: Zip Code/Postal Code:
Office Phone:

(b) Horizontal Flow



Ingat?

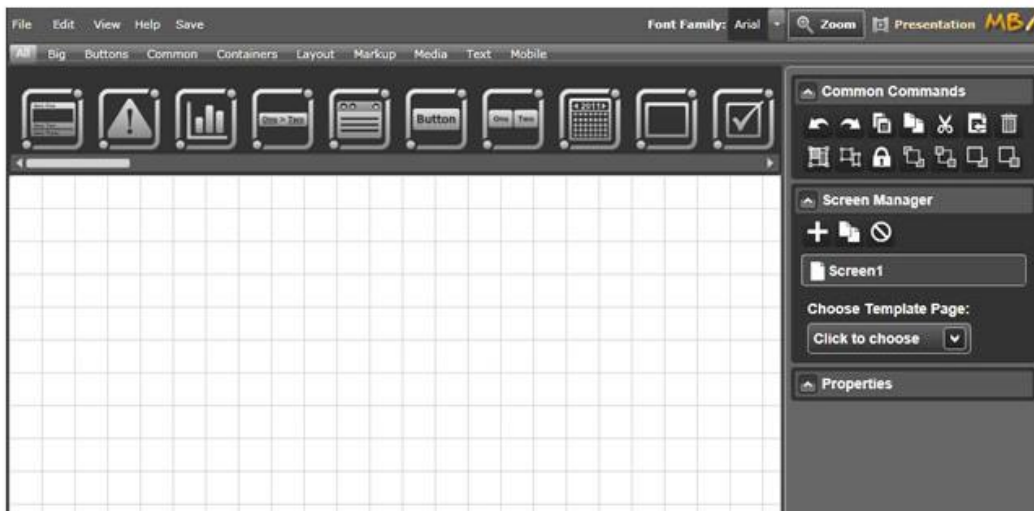
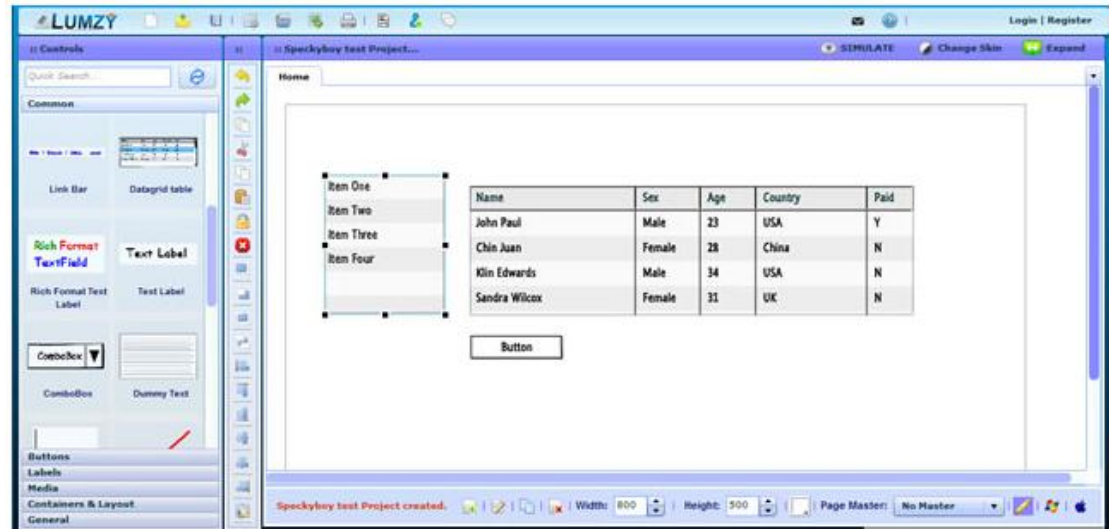
- User bukan Designer ☺
- Semua User Tidak Sama ☺
- Aplikasi itu “memudahkan” bukan menyulitkan. ☺

The screenshot shows the 'Test' window of a network simulation tool. The 'Action' is set to 'alert' and the 'Protocol' is 'tcp'. The 'Source IP' is 'SHOME_NET' and the 'Destination IP' is 'SEXTERNAL_NET'. The 'Src Port' is 'any' and the 'Dest Port' is 'any'. The 'Msg' field contains 'ATTACK-RESPONSES directory listing'. Below this, there is a table with columns 'Ref', 'Content', and 'Priority'. The 'Content' field is set to 'Volume Serial Number'. The 'Ref' field is empty. The 'Priority' field is set to '7'. The 'Class Type' is set to 'Volume Serial Number'. The 'Depth' is set to '1292'. The 'Offset' is set to '0'. The 'Distance' is set to '0'. The 'Within' is set to '0'. The 'Add' and 'Delete' buttons are visible. The 'URI content' is set to 'not'. The 'PCRE' is set to 'not'. The 'Byte Test' is set to 'Bytes To convert'. The 'Op' is set to 'Value'. The 'Value' is set to '0'. The 'Offset' is set to '0'. The 'Relative' is set to 'String'. The 'Data' is set to 'Data'. The 'Little' and 'Big' radio buttons are visible. The 'Byte Jump' is set to 'Bytes To convert'. The 'Offset' is set to '0'. The 'Relative' is set to 'String'. The 'Align' is set to 'Data'. The 'Data' is set to 'Data'. The 'Little' and 'Big' radio buttons are visible. The 'Frag Offset' is set to '0'. The 'TTL' is set to '0'. The 'TOS' is set to '0'. The 'ID' is set to '0'. The 'Seq' is set to '0'. The 'Ack' is set to '0'. The 'IP options' are set to 'Frag bits: More, Don't, Reserved'. The 'DSize' is set to '0'. The 'Flags' are set to 'FIN, SYN, RST, PSN, ACK, URG, Res bit1, Res bit2, None'. The 'Mask' is set to 'FIN, SYN, RST, PSN, ACK, URG, Res bit1, Res bit2, None'. The 'I Type' is set to '0'. The 'I Code' is set to '0'. The 'ICMP ID' is set to '0'. The 'ICMP Sequence' is set to '0'. The 'RPC' is set to 'v'. The 'Proc' is set to '0'. The 'Same IP' is set to '0'. The 'Flow' is set to '0'. The 'Add' button is visible. The 'from_server' button is visible. The 'Remove' button is visible.

Tools Mockup

1. Lumzy (lumzy.com)
2. Mockups Builder (mockupsbuilder.com)

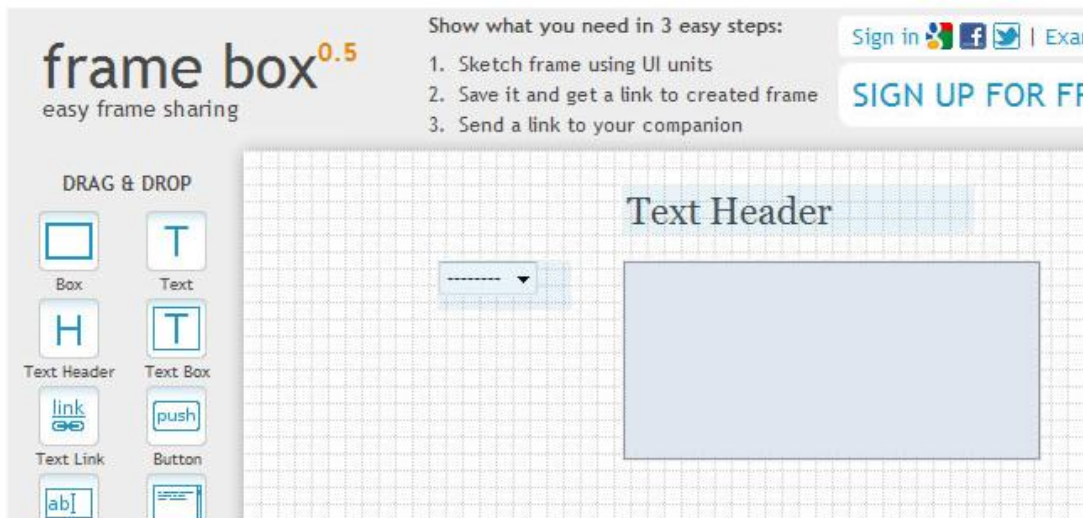
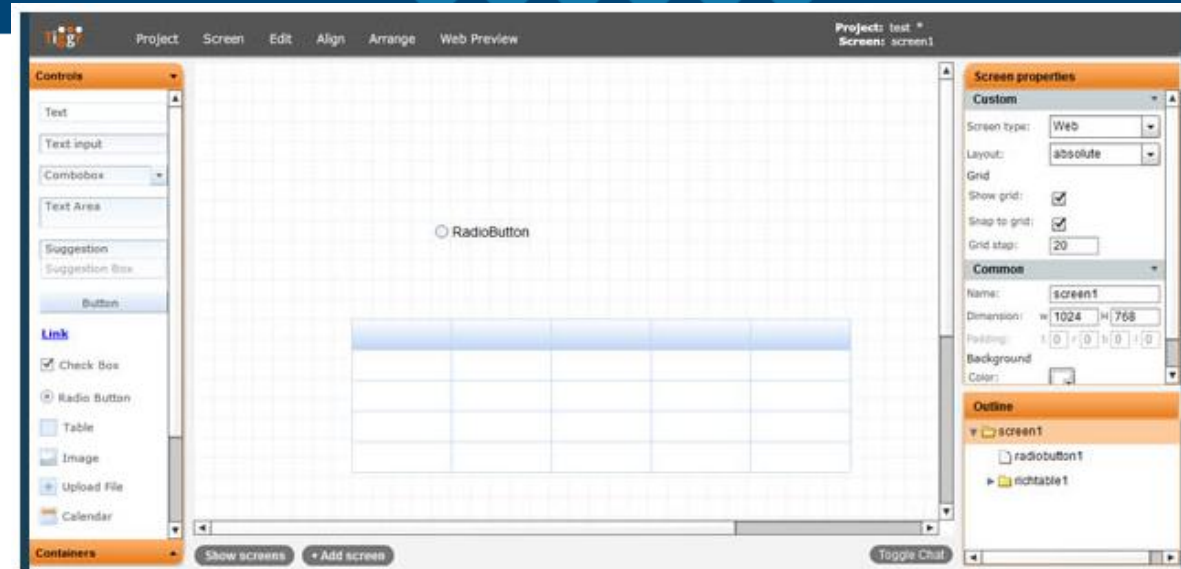


Tools

Mockup (2)

3. Tigr (gotigr.com)

4. Frame Box (framebox.org)



Tools

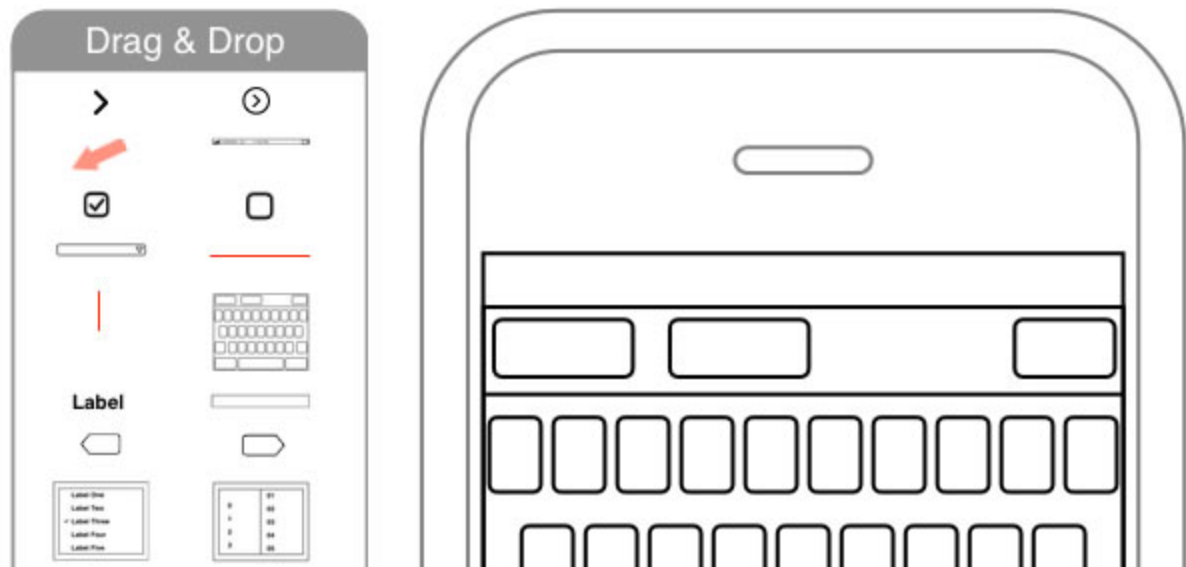
Mockup (3)

5.Simple Diagrams

(simplifiediagrams.com)

6.iPhone Mockups

(iphonemockup.lkmc.ch)

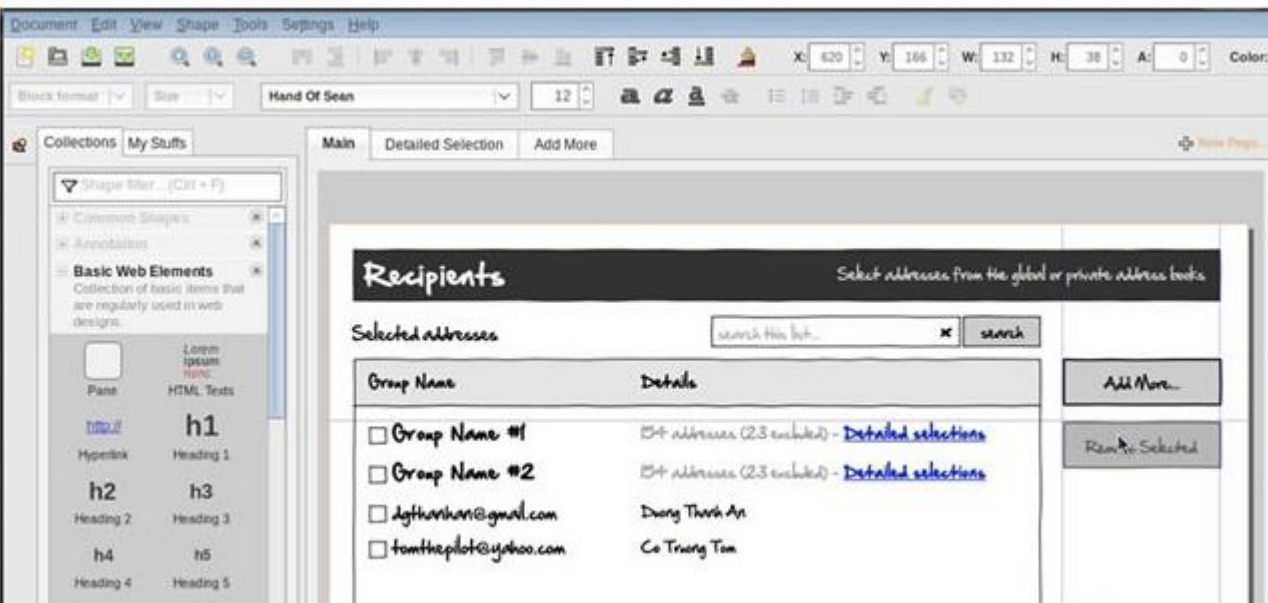
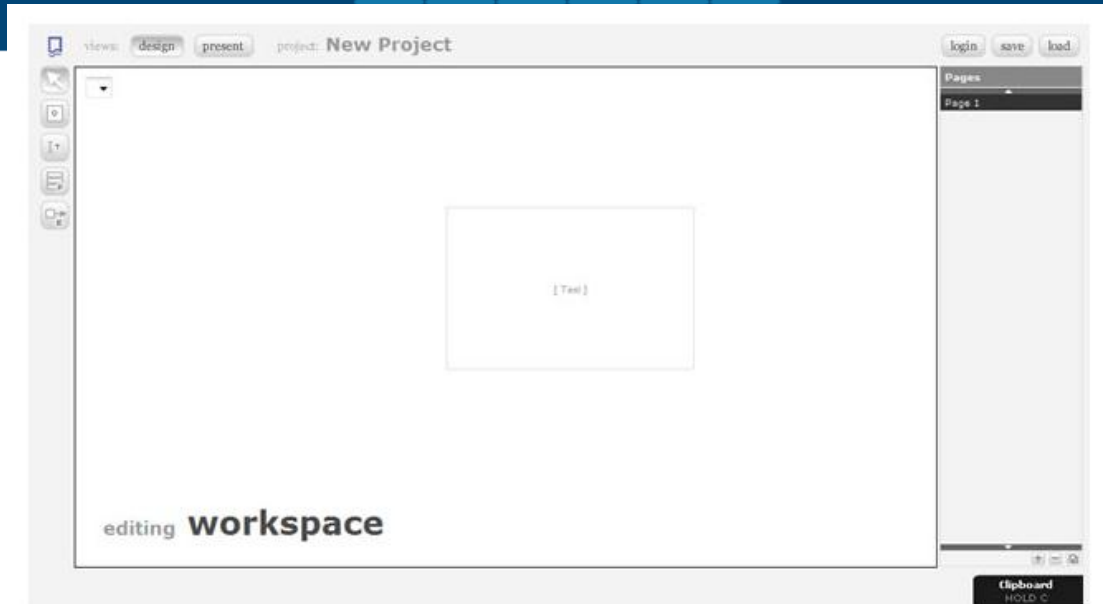


Tools

Mockup (4)

7.FluidIA (fluidia.org)

8.Pencil Project
(iphonemockup.lkmc.ch)



Tools

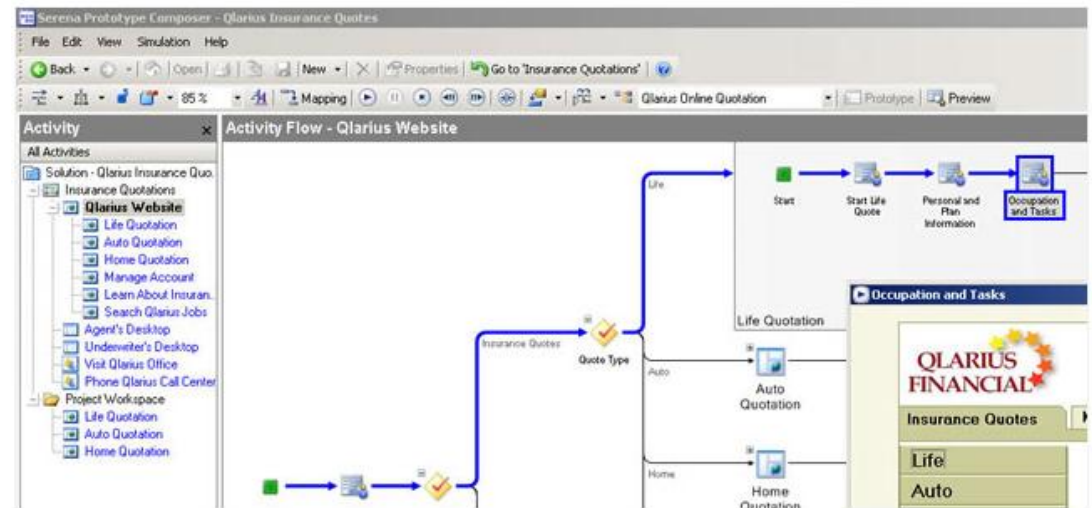
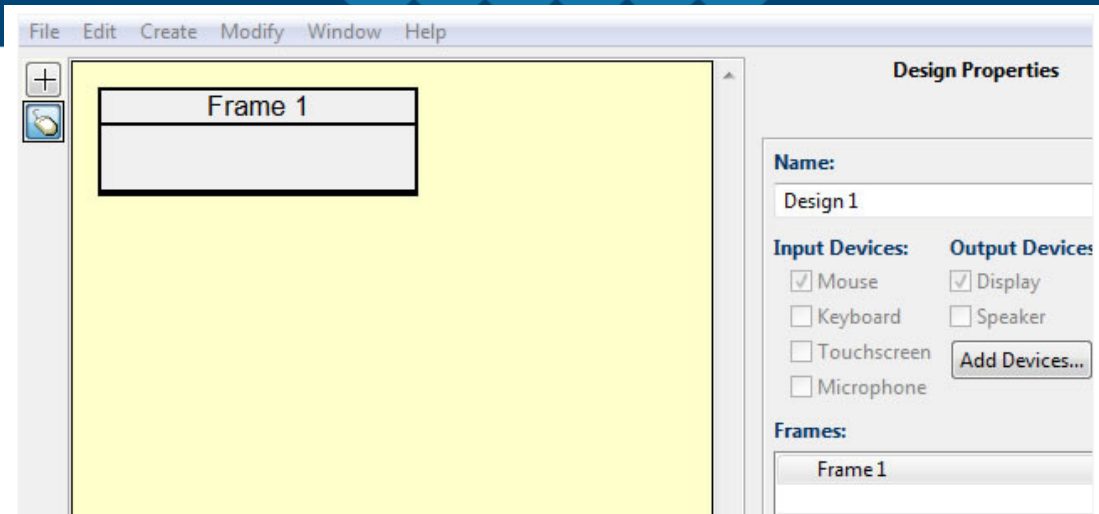
Mockup (5)

9.Cogtool

(cogtool.hcii.cs.cmu.edu)

10.Prototype Composert

(serena.com/products/prototype-composer/index.html)



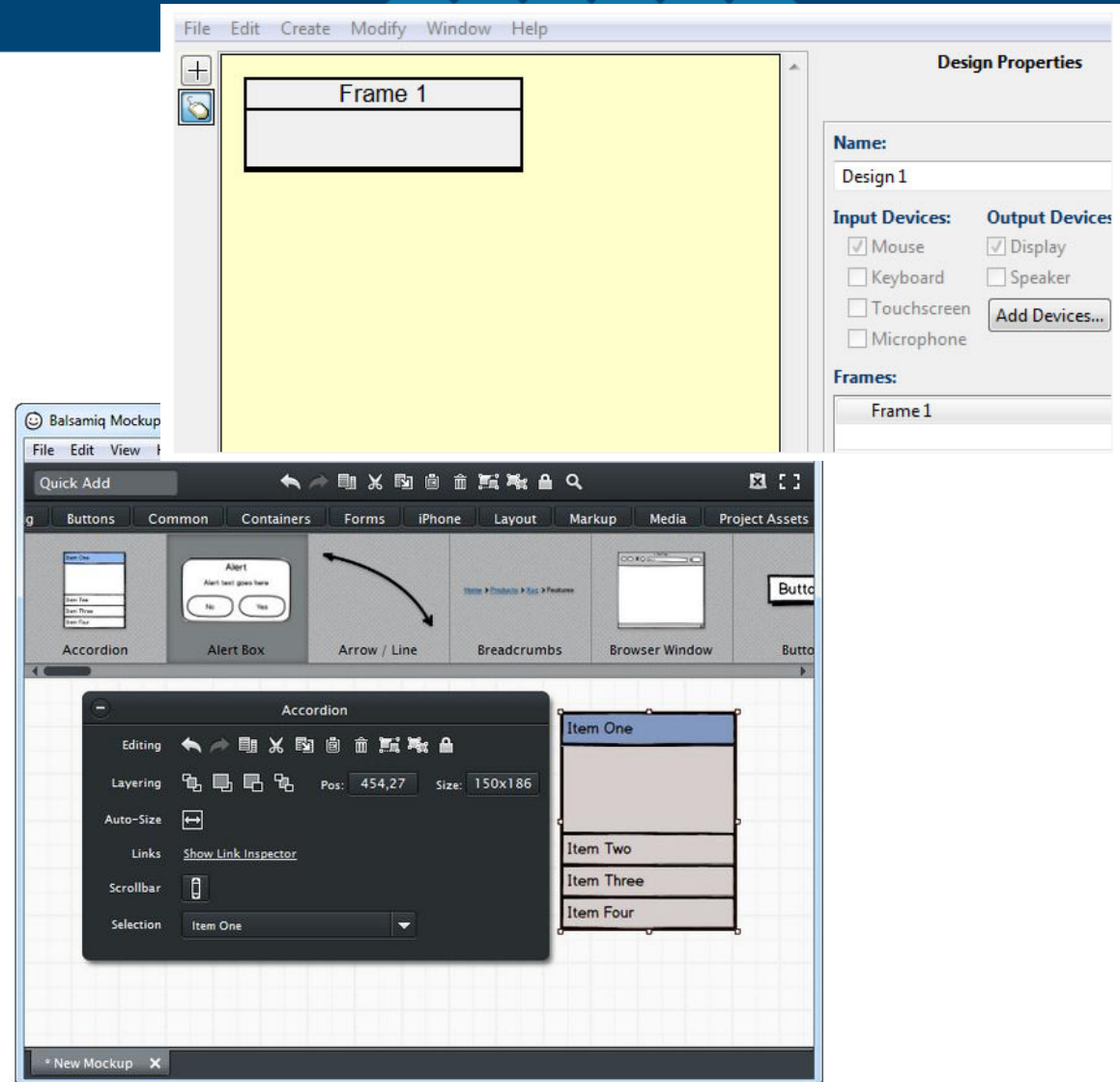
Tools

Mockup (6)

11. Cogtool

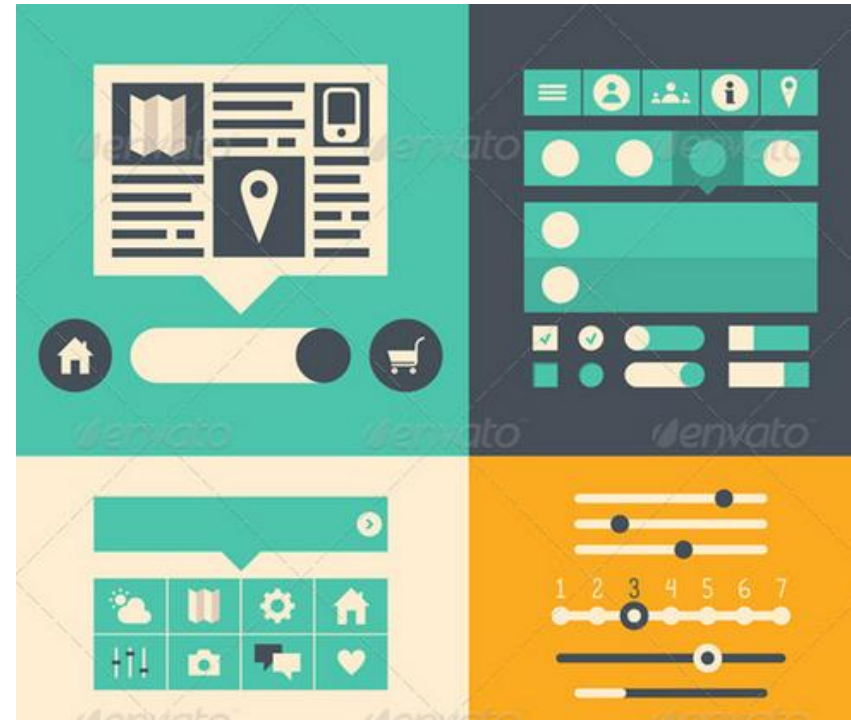
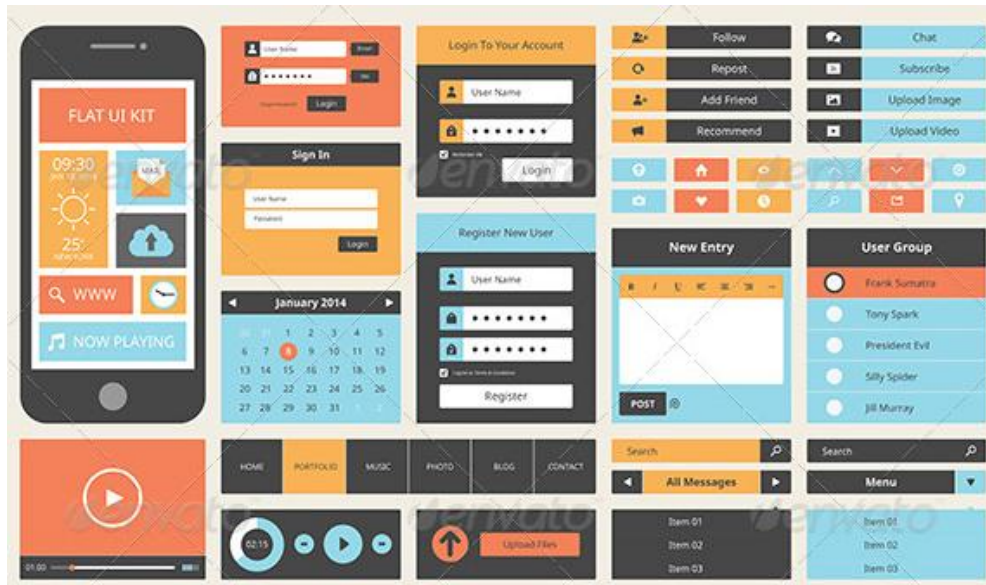
(cogtool.hcii.cs.cmu.edu)

12. Balsamiq (balsamiq.com)



Persiapan 😊

1. Deskripsi Alur Sistem Informasi
2. Buat Sitemap
3. Kenali Elemen Form & Teknologi menampilkan Data
4. Fahami Input, Proses dan Output yang dibutuhkan
5. Gunakan Error Handling/Dialog box dan sejenisnya
6. Kuasai Tool-nya Design UI 😊

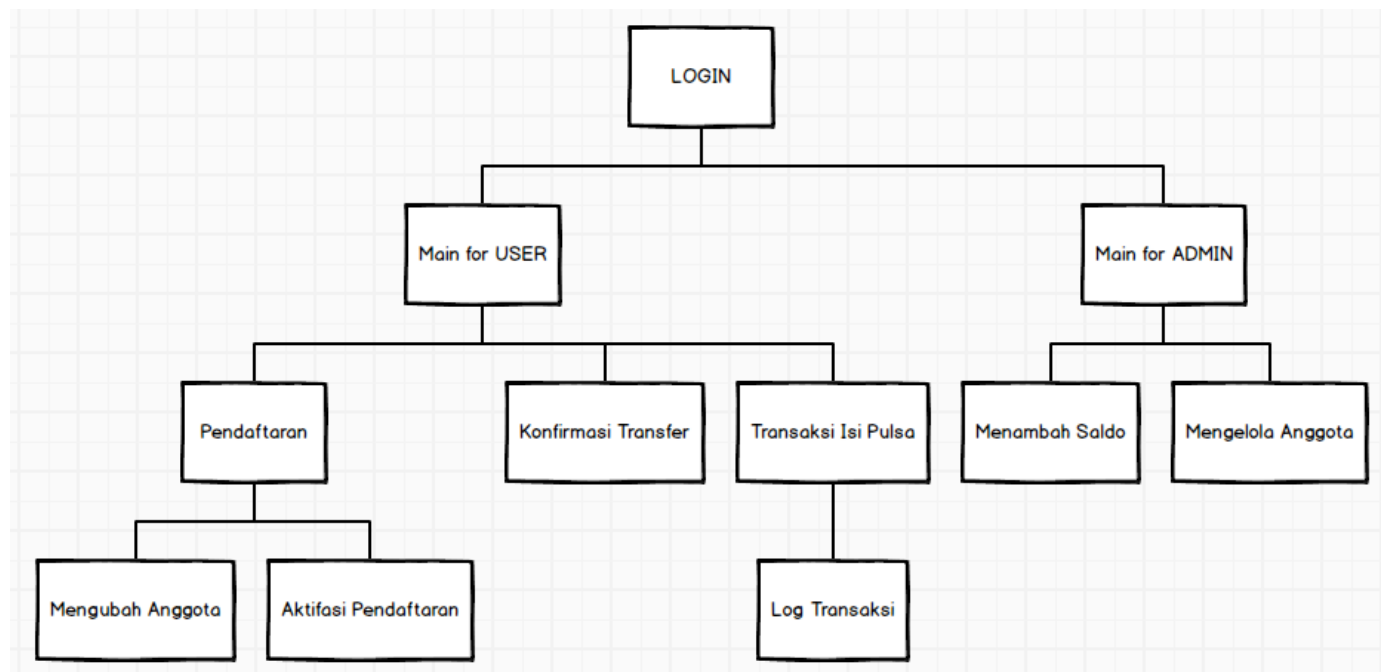




NO	KELOMPOK	APLIKASI SIM
1	Angga.S, Andreas.F, Ahmad Nasrudin, Arief Rizha Marhaban, Bryan Kusuma M, Dian Kumala	PERPUSTAKAAN KAMPUS
2	Andang Mayriza, Alan Budi S, Armada Dwika P, Dova Pandu P, Dwi Ayu S, Dwitasari Nila	POS (Point Of Sales) MINIMARKET
3	Anas, Dheni Sulistyanto, Bagus Dwi, Arif Sukma, Chris, Aulia	AKADEMIK (SMP/SMA)
4	Andiar Agung , Andika Hidayat, Bagus Pandu, Alfian Chaerul, Agus Supriyanto, Dwi sayekti	HOTEL/PENGINAPAN
5	Arsaela, Brilliana Ais, Bryan Bangkit, Adam F, Aji, Ardella	POLIKLINIK (PRAKTEK & APOTIK)
6	Aissa, Alviana, Ambar, Anggi, Anin, Maya	BMT/KOPERASI (SIMPAN PINJAM)
7	Evi R, Dipa Ayu, Eska, Budi, Achmad ichwan yasir	CRM (Customer Relation Management)
8	Eriton, Deny indra, Deva djati, Delarosa, Diani	PENGAJIAN (PAYROLL)

Apa saja yang harus dibuat ?

1. **Deskripsi** SIM yang dibuat
2. **SITEMAP**, Pemetaan Menu Aplikasi berdasarkan user aksesnya dan halaman yang didapatkan



Apa saja yang harus dibuat (2) ?

3. Daftar SCREEN
4. Desain SCREEN
5. Penjelasan SCREEN

File

Home

Insert

Page Layout

Formulas

Data

Review

View

Clipboard

Cut

Copy

Paste

Format Painter

Calibri

11

A[^]

A_v

B

I

U

Font

Wrap Text

Merge & Center

Alignment

M9

fx

	A	B	C	D	E	F	G	H
1								
2								
3								
4		1	DASHBOARD (D)	D001	DASHBOARD			
5		2	MASTER (M)	M001	COMPANY			
6		3		M002	DEFAULT			
7		4		M003	HELP			
8		5		A001	FEATURE			
9		6	ADMIN (A)	A002	STAFF USER			
10		7		A003	SUPER USER			
11		8		A004.001	MASTER - WAREHOUSE			
12		9		A004.002	MASTER - LOCATION			
13		10		A004.003	MASTER - CLIENT LIST			
14		11	JOB (Q)	A006	COMPANY			
15		12		J001.001	REQUEST MANAGEMENT LIST			
16		13		J001.002	REQUEST MANAGEMENT DETAIL			
17		14	SERVICE (S)	S001.001	VIEW INVENTORY - LIST			
18		15		S001.002	VIEW INVENTORY - DETAIL			
19		16		S002	IMPORT ZIP FILE			
20		17		S003	IMPORT EXCEL FILE			
21		18	REPORT (R)	R001	LOCATION HOLDING			
22		19		R002	CLIENT HOLDING			
23		20		R003	HOLDING REPORT			
24		21	HELP (H)	H001	HELP			
25								

Desain Screen (1)

[Profil](#)
[Help/Bantuan](#)

User Name

Password

☒ Login ☐ Reset

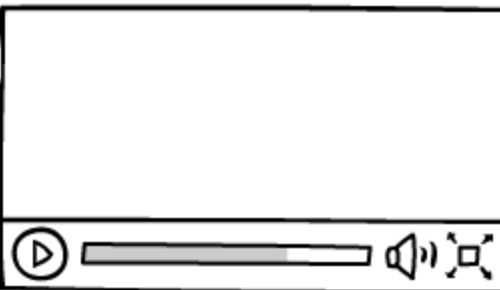
5 Transaksi Terbaru

Tanggal ▲	Member ◆	Pulsa	Status ▼
20-12-2013 10:12:01	YD001	XL100	OK
20-12-2013 10:12:01	EDo01	ISAT25	OK


Pulsaku v.1 © 2013

[Profil](#)
[Help/Bantuan](#)

Panduan Video



Alamat Kontak



Pulsaku v.1 © 2013

Desain Screen (2)

[🏠](#) [Profil](#) [Transaksi](#) [Laporan](#) [Log-Out](#)

Input Member

Nama

Alamat

Kontak

History

Kode Member

Nama Lengkap

Kelamin

Tanggal Lahir

No Telp

☐ Pria ☐ Wanita

/

Next

Pulsaku v.1 © 2013

[🏠](#) [Profil](#) [Transaksi](#) [Laporan](#) [Log-Out](#)

Input Member

Alamat

Nama

Kontak

History

Alamat

Kode Pos

Propinsi

Propinsi

Jawa Tengah

Surakarta

Next

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Desain Screen (3)

Profil
Help/Bantuan

Nomer HP

AXIS

ex +62818...

NOMINAL

25

✓ Kirim

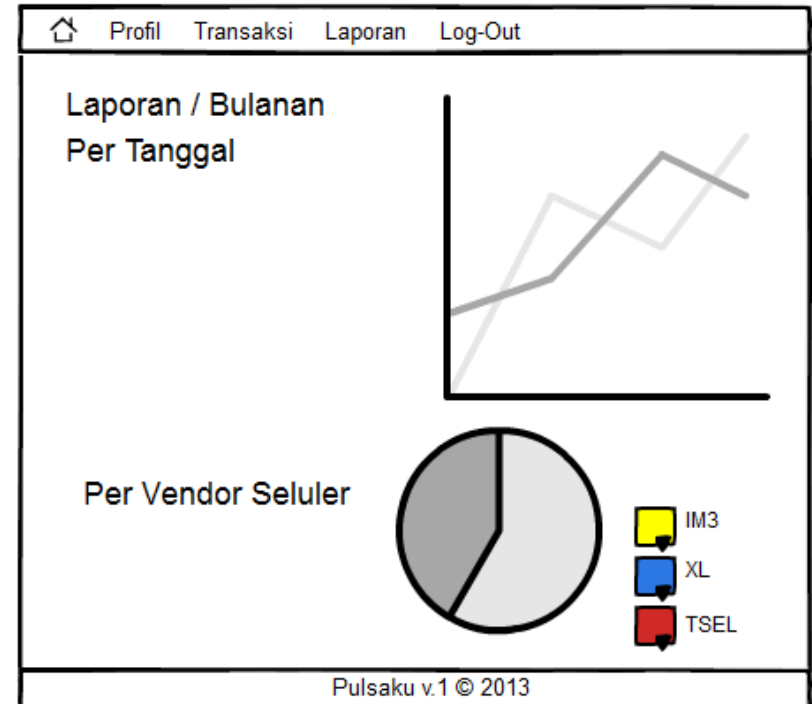
✗ Reset

5 Transaksi Terbaru

Cari Transaksi

Tanggal	Member	Pulsa	Status
20-12-2013 10:12:01	YD001	XL100	OK
20-12-2013 10:12:01	EDo01	ISAT25	OK

Pulsaku v.1 © 2013



Konfirmasi

PASSWORD

✓ OK

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BN	BO	BP	BQ	BR	BS	BT	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EN	EO	EP	EQ	ER	ES	ET	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	IJ	JK	KL	LM	LN	LO	LP	LQ	LR	LS	LT	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	IJ	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	IJ	NJ	NK	NL	NO	NP	NQ	NR	NS	NT	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	IJ	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	IJ	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	IJ	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	IJ	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	IJ	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	IJ	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	IJ	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	IJ	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	IJ	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YV	YW	YX	YY	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	IJ	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZV	ZW	ZX	ZY	ZZ
1	PULSAKU																										Subsystem Name										Created on					Created by																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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PULSAKU

Subsystem Name

Created on

Created by

Login Page

27-Aug

Yudha (Ra) Ganteng

1. Tujuan

Screen ini digunakan untuk melakukan verifikasi terhadap pengguna

2. Keterangan Field

- Field yang WAJIB diisi
- Automatic Generate Field
- Field yang Tidak WAJIB diisi
- Automatic Output and not editable
- Automatic Output and editable

3. Aktivasi Tombol

Tombol yang ada pada screen :

login
berfungsi untuk validasi username dan password pada tabel user

DESCRIPTION

RELATION

CODE / NAME	Login
MODULE	
DESCRIPTION	Screen untuk melakukan validasi terhadap user yang melakukan login

OTHER SCREEN	
SCREEN MASTER	Member, Transaksi, Statistik, About

COMPONENT [CMP]

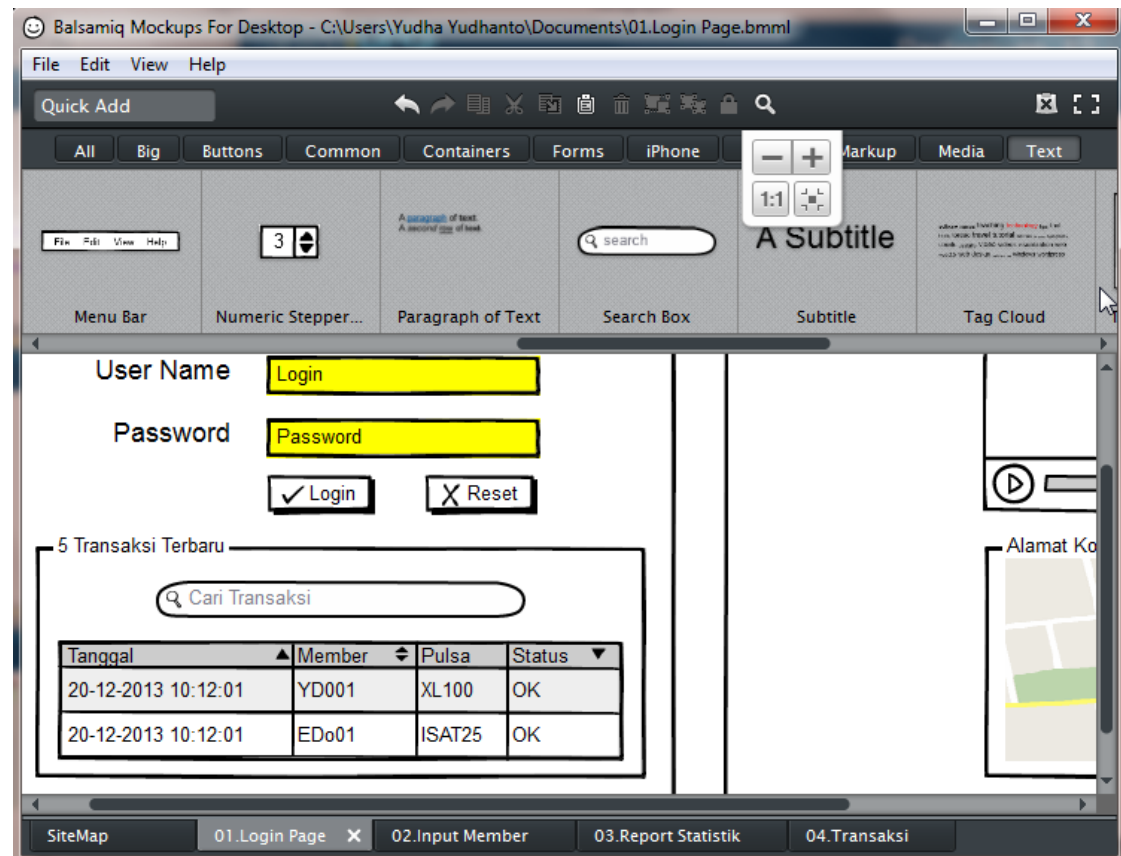
SHORCUT

CMP001	[USERNAME] Textbox; diisi dengan nama user yang sesuai
CMP002	[PASSWORD] Textbox, data yang diisi merupakan password dari user
CMP003	[Login] Button, onClick memvalidasi data Username dan Password pada tabel user Pengecekan : kode screen harus terisi.
CMP004	[Reset] Button; onClick menghapus pada kolom isian Username dan password

CTRL+L	Klik Login
CTRL+R	Klik Reset Form
CTRL+S	Pencarian Transaksi

Tools yang digunakan

1. Word/Excel
2. Balsamiq Mockup ada d folder kuliah 😊



Tugas Lab 😊

1. Dokumen “Screen Definition” dalam bentuk .doc/.odt berisi :

- Deskripsi Aplikasi
- Desain UI
- Penjelasan Desain UI

2. Nama File : judul-sim-ui-nimkelompok.zip

Hasil dikirim via mail : kuliahsim2013@gmail.com

subjek : **judul-ui-nimkelompok**

BATAS WAKTU : Rabu, 08-01-2014, jam : 23.59 wib



www.rumahstudio.com/kuliah/sim