





WebE Analysis Models	Goal	Diagrams to be used to reflect analysis models	Tools to be used
Interaction Model	Describes the manner in which users interact with the WebApp.	 Use Cases (UCs) User interface prototypes 	 UMLet MS Expression Studio Visual Paradigm
Information model (or, Content Model)	Identifies the full spectrum of content to be provided by the WebApp. Content includes text, graphics and images, and video and audio data.	 Content Objects (including, Data Objects) Data Flow Diagrams (DFDs) Content Model Trees (CMTs) 	 Microsoft Visio IBM Rational Software SmartDraw
Functional Model	Defines the operations that will be applied to WebApp content and describes other processing functions that are independent of content but necessary to the end user.	 State Transition Diagrams (STDs) Activity Diagrams (ADs) Sequence Diagrams (SDs) SwimLane Diagrams (SLDs) 	 UMLet or SmartDraw UMLet SmartDraw SmartDraw
Configuration Model	Describes the environment and infrastructure in which the WebApp resides.	Components: Hardware, operating systems Software Internet, browsers Data Protocols Security considerations etc.	 UMLet or SmartDraw MS Visio IBM Rational Software SmartDraw



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		10.0		enacer	rototyping	10013			
	Loove or o			1997 - 19		Photoshop CS4	Illustrator CS4	Fireworks CS4	Dreamweaver C
	Balsamiq	Peneil	OmniGraffle Pro	Visio Pro	One liner	Gold standard for	Gold standard for	Bitmap + Vector but	Yes, there are countiess HTML
ine liner	Cool!	This can't really be a Firefox addon!	Amazingly simple and powerful drawing	Practicel and business-like					toolkits out there, but I still love it
amp up time	2008	minungile	amali	amali	Ramp up time	very large	very large	medium	large
Ther expertise required	2008		0000	20078	Other expertise required	knowledge of bitmap tools	knowledge of vector tools	none (for this)	html, javascript, s
viner expense requires	none	none	none	none	Supports interactivity	nope	nope	nope	yes
ull lifecycle product (rough to	rough only	rough only	уез	somewhat	Full lifecycle product (rough to spec)	professional	professional	yea	γ e 3
pecy					Fun to use	somewhat	somewhat	rendering is poor	yes
on to use ase of creating a modup of tree avigation	drag and drop and populate	no tree stencil!	yea had to download Yahoo stencils	somewhat straight-forward	Ease of creating a modup of tree navigation	from scratch	from scratch	no default tree!	had to find javascript tree control and figure
ime to build mockup of tree avigation	15 min	1 hr	1 hr	30 min	Time to build modup of tree navigation	1 hr	1 hr	gave up	gave up
aunty?	поре \$79	somewhat free	nope \$199.95	nope \$559.95	Quirly?	difference between Illustrator and PS	difference between Illustrator and PS	average	nope
					0.0	can be confusing	can be confusing	4000	4000
	Elash CS4	Elex 1 Pro	Thermo (codeparte)	Powerpoint 2007	Udat	\$050	9099	\$2.55	9300
One liner	You can do whatever you want	With some programming	Not released yet - but from experience	Great prototyping tool for the earnest		Axure		Microsoft Expression Blend 2	Microsoft Expression Design 2
	- total interactive flexibility	experience this rocks!	on the bets I have high hopes	product manager	One liner	Why?	Think process, large teams, but why?	Microsoft's Flash	Microsoft's Fireworks
Ramp up time	huge	medium	large	negligible	Ramp up time	very large	very large	very large	large
Other expertise required	programming	programming	none	none	Other expertise required	none	none	a little more than Flash	a little more than Fireworks
Supports Interactivity	oh yes!	oh yes!	yes!	okay yes	Supports interactivity	I think	I think	yes	nope
Full lifecycle product (rough to spec)	yes	rough not really a visual tool	sort of	rough only	Full lifecycle product (rough to spec)	yes	yes	yes	professional
Fun to use	yes	subjective, but for me yes	yes!	no	Fun to use Ease of creating a modup of tree	no didn't find tree	no didn't find tree	no didn't try - too tired	no Stopped with Blend
Ease of creating a modup of tree navigation	no built-in tree	essier than flash because of built-in tree, but still not sutomatic	medium	no tree	navigation	immediately	immediately	to go on - opened the interface and started clicking around and just closed it	2 – I hope the argument for these tools is not "MS Office integration
Time to build modkup of tree navigation	gave up	1 hr	1 hr	2 hr	Time to build modkup of tree navigation	gave up	gave up	gave up	didn't try
Quifty?	not really	nope	0000	0000	Quiky?	not really	not really	don't know	don't know
Cost	\$899	\$699	?	\$299	Cost	\$589	\$6,995	\$499	\$699 (for Studio - couldn't find





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(In the middle of Fall semester, this student was hired for a full-time position starting)

Dr. Uskov :

I recently had a round of interviews for a position as a Software Engineer. Prior to taking your class, I had no experience in Software Engineering. My expectation for the start of my career was to be a programmer for a few years to gain experience. Going into the interviews for a Software Engineering position, I thought I was probably getting in a little over my head.

Throughout all of the interviews, I was repeatedly asked questions that I was able to answer from what I have learned in your class.

I was not asked a single question about coding. Everything I was asked involved the analysis and design process and I was able to apply my knowledge of Use Cases, Class Diagrams, Data Flow Diagrams, State Transition Diagrams, Entity Relationship Diagrams, etc.

The guys that I interviewed with understood that I'm still a student and I'm no expert, but I was able to speak their language and display my ability to learn and understand what I will need to know as a Software Engineer.

I have since been offered a position as an entry level Software Engineer with the company and I believe that is due in large part to my experiences in your class.

Matt Gihring

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