

COMS W4170

Collaboration 3

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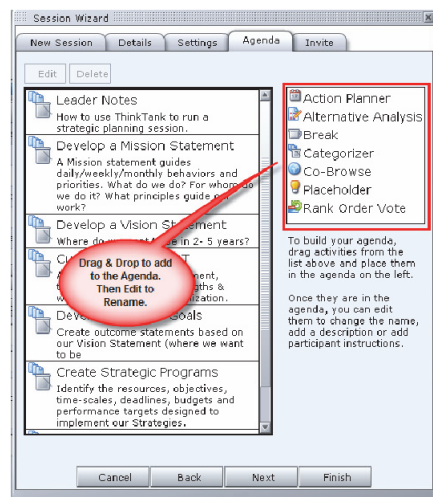
EMS Example

ThinkTank

- Leader creates session and sets agenda



thinktank.net



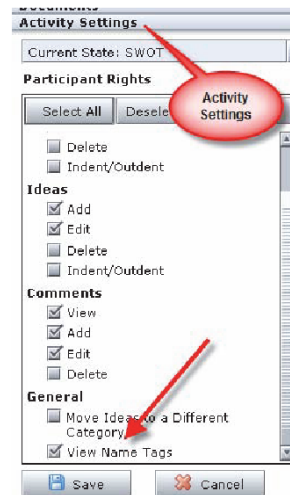
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EMS Example

ThinkTank

thinktank.net

- Leader manages session; e.g., sets permissions, can turn on/off anonymity
 - If “View Name Tags” is off when contribution is made, it remains anonymous, even to leader



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EMS Example

ThinkTank

thinktank.net

- Participants brainstorm ideas



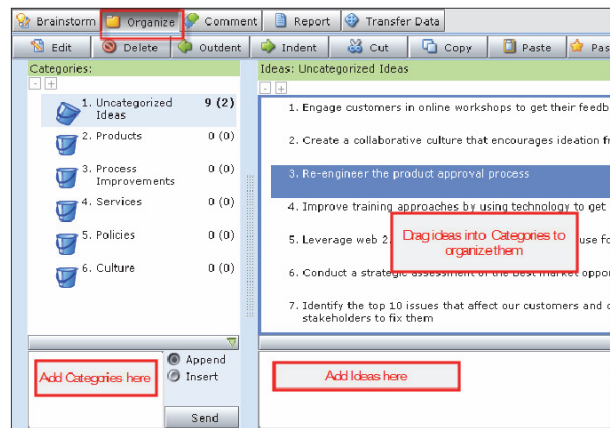
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EMS Example

ThinkTank

thinktank.net

- Organize ideas into categories



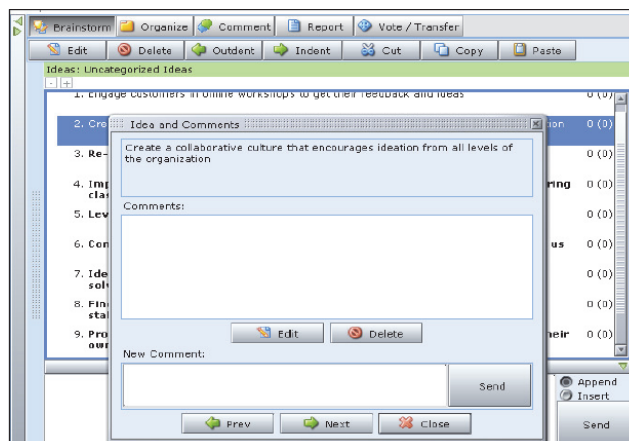
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EMS Example

ThinkTank

thinktank.net

- Comment on an idea



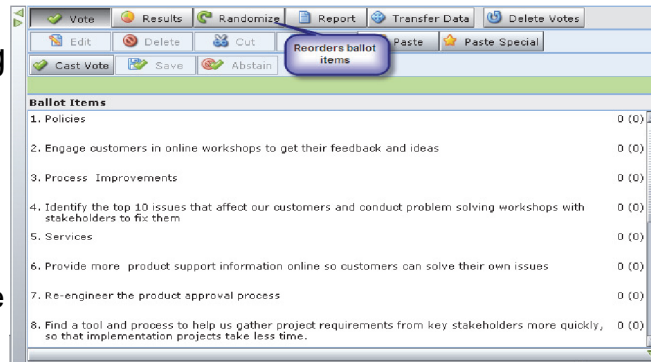
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EMS Example

ThinkTank

thinktank.net

- Reorder ideas to prepare for voting
- Simple vote or rate based on multiple criteria



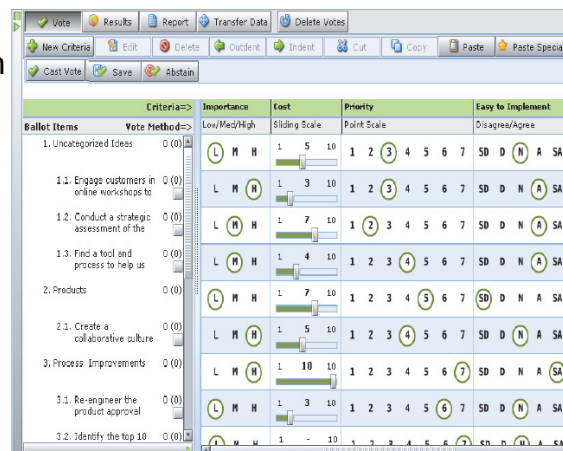
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EMS Example

ThinkTank

thinktank.net

- Vote
- Low/med/high
- Sliding scale
- N-point scale
- True-false
- Point allocation from budget



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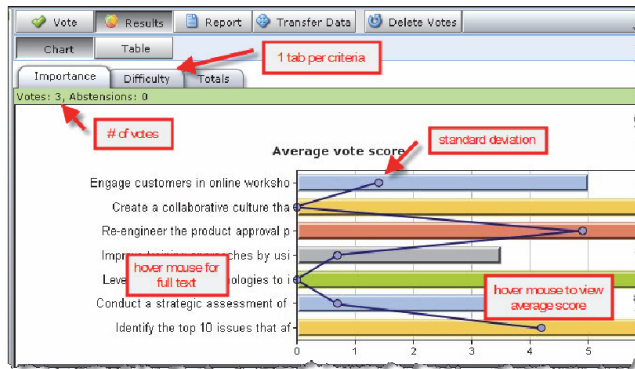
EMS Example

ThinkTank

thinktank.net

■ View results

■ Chart



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EMS Example

ThinkTank

thinktank.net

■ View results

■ Table

Vote Results									
Chart Table									
Importance Cost Priority Easy to Implement Totals									
Contribution	L	M	H	Total	Avg	Std. Dev	Num		
1. Extremely easy to use - No training	-	1	-	2.0	2.0	0.0	1		
2. Industry focus on collaboration of	-	-	1	3.0	3.0	0.0	1		
3. Outstanding enterprise customers	-	-	1	3.0	3.0	0.0	1		
4. Web 2.0 interface	-	-	1	3.0	3.0	0.0	1		
5. Highly scalable architecture	-	1	-	2.0	2.0	0.0	1		
6. ThinkTank product is world class	-	1	-	2.0	2.0	0.0	1		
Summary	-	3	3	15.0	2.5 (H)	0.5	6		

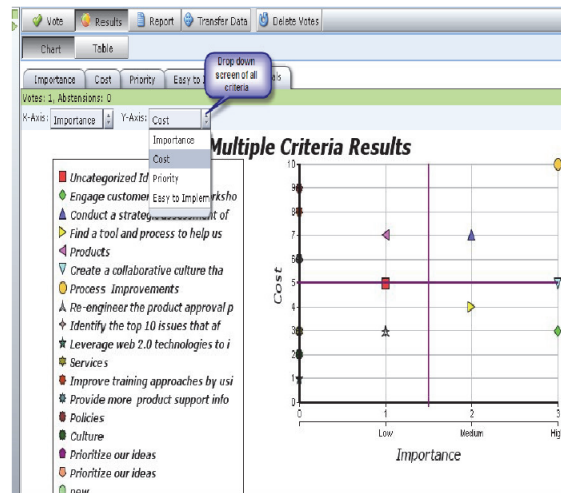
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EMS Example

ThinkTank

thinktank.net

- View results
 - 2x2 chart to compare criteria



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EMS Example

ThinkTank

thinktank.net

- View results
 - More tables

Table								
ROI Effort Allocation Checkmark Coolness Totals								
Votes: 6, Abstentions: 0								
Ballet Items	ROI	Effort	Allocation	Checkmark	Coolness	Avg	Std. Dev	
1. Engage customers in online work	1.6	3.7	9.4	0.4	2.5	3.5	3.5	
2. Create a collaborative culture that	2.2	2.0	10.8	0.4	4.0	3.9	4.1	
3. Re-engineer the product approval	2.0	1.8	9.8	0.0	3.7	1.5	1.4	
4. Improve training approaches by u	1.6	2.7	3.4	0.2	3.2	2.2	1.3	
5. Leverage web 2.0 technologies to	1.8	2.0	9.8	0.2	3.0	3.3	3.7	
6. Provide more product support inf	2.6	1.7	0.8	0.2	2.5	1.6	1.0	
7. Find a tool and process to help us	2.2	2.0	1.8	0.0	2.5	1.7	1.0	

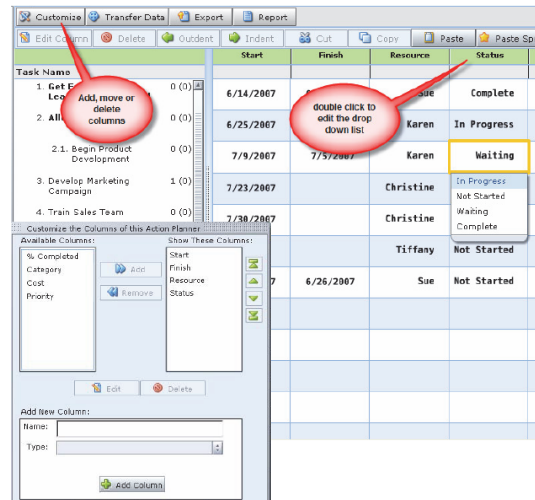
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EMS Example

ThinkTank

thinktank.net

- Collect action items
 - Shared planning spreadsheet



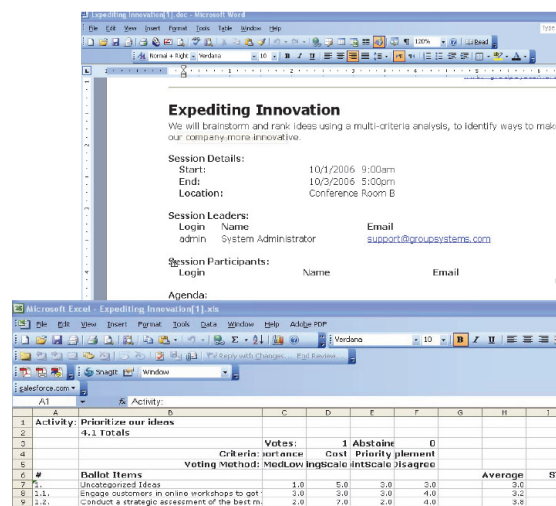
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EMS Example

ThinkTank

thinktank.net

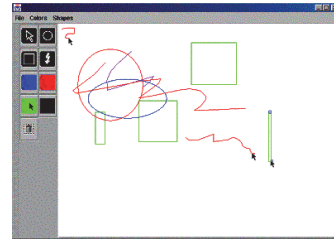
- Generate reports



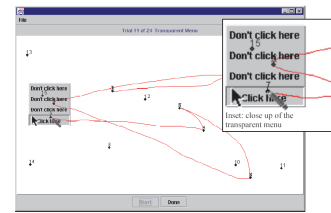
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Same time, same space

- *Single Display Groupware*
 - Support for multiple co-located users collaborating with a single display (but potentially separate input devices)
 - Need to avoid interference
 - Serial use: Single cursor (with “chalk passing”)
 - Parallel use: Multiple cursors
 - Use transparent widgets to minimize visual interference with other users (A. Zanella and S. Greenberg, *Proc. ECSW 2001*)



grouplab.cpsc.ucalgary.ca/Projects/ProjectSingleDisplayGroupware

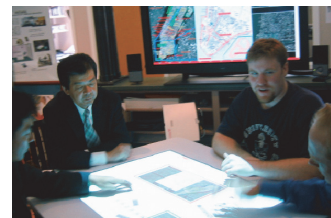


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Same time, same space

- Single Display Groupware
 - Tabletop displays
 - Large
 - Horizontal
 - Users positioned *around* table
 - UI must support different orientations (e.g., rotate cursor)
 - Example: DiamondSpin tabletop toolkit
 - Documents constrained to face the nearest tabletop edge
 - C. Shen et al., Informing the design of direct-touch tabletops, *IEEE CG&A*, Sep/Oct 2006, 56–66
 - *ACM Int. Conf. on Interactive Tabletops and Surfaces → ACM Interactive Surfaces and Spaces*
 - <http://iss2018.acm.org>

For a history of multi-touch systems see
<http://www.billbuxton.com/multitouchOverview.html>



<https://www.youtube.com/watch?v=fzfCYGkZ-wU>

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Same time, same space

- Single Display Groupware supplemented with personal devices



- Supporting collaborative search
 - S. Amershi and M. Morris, CoSearch: A System for Co-located Collaborative Web Search, CHI 2008



<https://www.microsoft.com/en-us/research/publication/cosearch-a-system-for-co-located-collaborative-web-search/> 17