



ภาคผนวก

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ภาคผนวก ก

ผลการให้คะแนนความต้องการตามปัจจัย

Project 1	Group	Score				Project 2	Group	Score			
		B	P	C	R			B	P	C	R
IPH-301	1	8	8	5	3	CCE-986	1	7	7	5	1
IPH-108	1	9	8	8	7	CCE-952	1	5	5	6	1
IPH-1074	1	9	9	9	9	CCE-945	1	6	6	3	1
IPH-96	1	9	9	9	9	CCE-946	1	6	6	3	1
IPH-837	1	9	8	7	5	CCE-944	1	6	6	3	1
IPH-1196	1	7	7	6	4	CCE-943	1	7	6	3	1
IPH-1020	1	7	7	7	4	CCE-546	1	9	9	8	1
IPH-1170	1	9	8	5	2	CCE-43	1	3	3	6	2
IPH-777	1	9	8	5	2	CCE-487	1	3	3	3	1
IPH-92	1	9	8	5	2	CCE-1007	1	6	6	2	1
IPH-1197	1	8	7	5	2	CCE-995	1	7	7	6	1
IPH-1251	1	9	9	9	5	CCE-987	1	7	5	2	1
IPH-1156	1	7	7	6	2	CCE-1008	1	3	3	2	1
IPH-1274	1	8	8	5	5	CCE-997	1	7	5	6	1
IPH-1161	1	9	8	9	5	CCE-971	1	5	7	1	1
IPH-995	1	9	7	9	5	CCE-530	1	9	9	5	1
IPH-1013	1	9	7	9	5	CCE-528	1	6	3	6	2
IPH-499	1	9	7	9	5	CCE-121	1	8	3	6	1
IPH-1059	1	9	8	3	3	CCE-994	1	9	9	3	1
IPH-1012	1	9	9	9	2	CCE-677	1	9	9	8	1
IPH-953	1	8	9	3	5	CCE-1024	1	8	8	6	1
IPH-914	1	9	9	9	2	CCE-947	1	6	6	5	1

Project 1	Group	Score				Project 2	Group	Score			
		B	P	C	R			B	P	C	R
IPH-104	1	9	9	9	5	CCE-347	1	9	8	4	1
IPH-1101	1	8	7	5	1	CCE-870	1	8	8	1	1
IPH-999	1	7	7	5	5	CCE-348	1	9	9	9	2
IPH-1173	1	9	9	5	3	CCE-917	1	8	7	5	1
IPH-207	1	9	9	5	3	CCE-907	1	5	6	4	1
IPH-569	2	9	9	2	1	CCE-1022	1	7	6	3	1
IPH-776	2	9	9	5	3	CCE-954	1	7	7	3	1
IPH-107	2	9	8	9	4	CCE-1032	1	8	7	6	1
IPH-808	2	8	7	5	3	CCE-957	1	6	6	5	1
IPH-201	2	8	7	5	3	CCE-309	1	7	2	6	1
IPH-809	2	9	8	3	3	CCE-941	1	9	9	6	1
IPH-109	2	7	6	5	2	CCE-1009	1	8	7	1	1
IPH-923	2	9	8	5	7	CCE-970	1	7	5	2	1
IPH-194	2	8	7	4	1	CCE-953	1	8	7	6	2
IPH-98	2	7	5	4	2	CCE-1042	1	3	3	1	1
IPH-100	2	8	7	5	3	CCE-956	1	3	3	3	1
IPH-500	2	2	3	1	1	CCE-948	1	3	3	6	1
IPH-89	2	7	5	5	1	CCE-767	1	2	3	1	1
IPH-481	2	5	5	3	1	CCE-955	1	4	4	4	1
IPH-1148	2	9	6	5	2	CCE-973	1	3	3	4	1
IPH-451	2	8	7	4	4	CCE-1015	1	3	3	2	1
IPH-1149	2	8	6	4	1	CCE-949	1	8	7	6	2
IPH-996	2	7	8	3	1	CCE-1038	1	3	2	2	1
IPH-1071	2	7	8	6	2	CCE-1004	1	7	4	6	2
IPH-1192	2	9	9	5	3	CCE-1039	1	6	6	6	2
IPH-533	2	6	5	4	2	CCE-951	1	6	3	5	1
IPH-1021	2	7	6	5	1	CCE-969	1	5	6	3	1
IPH-1144	2	9	9	9	5	CCE-965	1	4	2	2	1

Project 1	Group	Score				Project 2	Group	Score			
		B	P	C	R			B	P	C	R
IPH-505	2	8	7	6	1	CCE-1025	1	3	2	1	1
IPH-969	2	7	6	5	2	CCE-678	2	4	2	3	1
IPH-1076	2	7	4	3	2	CCE-744	2	8	8	2	1
IPH-951	2	8	7	6	5	CCE-1046	2	6	6	3	1
IPH-1022	2	9	8	9	5	CCE-1012	2	7	4	3	1
IPH-1171	2	6	6	5	1	CCE-845	2	6	6	2	1
IPH-1136	2	8	7	5	5	CCE-721	2	7	4	4	1
IPH-1198	2	8	8	5	3	CCE-846	2	7	3	5	1
IPH-1160	2	7	7	7	3	CCE-332	2	7	7	3	1
IPH-91	2	7	5	7	6	CCE-895	2	8	8	7	2
IPH-952	2	7	7	5	3	CCE-959	2	6	2	4	2
IPH-954	2	7	8	5	2	CCE-958	2	8	7	6	2
IPH-835	2	9	8	9	5	CCE-1028	2	8	8	3	1
IPH-90	2	9	7	5	2	CCE-723	2	7	5	3	1
IPH-921	2	7	5	4	2	CCE-968	2	3	4	2	1
IPH-970	2	7	7	5	3	CCE-333	2	6	3	3	1
IPH-506	2	8	7	8	3	CCE-485	2	8	3	6	1
IPH-908	2	9	7	2	1	CCE-919	2	6	3	1	1
IPH-905	2	7	5	4	2	CCE-597	2	2	1	1	1
IPH-904	2	7	5	4	2	CCE-985	2	7	4	2	1
IPH-964	2	7	5	2	1	CCE-810	2	6	8	1	1
IPH-1015	2	7	8	5	2	CCE-1027	2	7	4	2	1
IPH-1167	2	3	3	4	5	CCE-867	2	7	4	1	1
IPH-1072	2	9	9	8	5	CCE-518	2	9	8	7	2
IPH-1016	2	7	8	5	2	CCE-950	2	7	7	4	1
IPH-102	2	7	7	7	3	CCE-918	2	6	2	1	1
IPH-570	2	5	5	3	1	CCE-719	2	3	4	2	1

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ผลการคำนวณค่าความสำคัญ

Project 1	Score				Priority	Project 2	Score				Priority
	B	P	C	R			B	P	C	R	
IPH-1074	9	9	9	9	0.6085	CCE-43	3	3	6	2	0.2251
IPH-96	9	9	9	9	0.6085	CCE-948	3	3	6	1	0.2774
IPH-108	9	8	8	7	0.7092	CCE-528	6	3	6	2	0.3151
IPH-995	9	7	9	5	0.7656	CCE-309	7	2	6	1	0.3699
IPH-1013	9	7	9	5	0.7656	CCE-973	3	3	4	1	0.3728
IPH-499	9	7	9	5	0.7656	CCE-1004	7	4	6	2	0.3901
IPH-1161	9	8	9	5	0.8030	CCE-951	6	3	5	1	0.4454
IPH-1020	7	7	7	4	0.8291	CCE-1039	6	6	6	2	0.4502
IPH-1251	9	9	9	5	0.8403	CCE-487	3	3	3	1	0.4502
IPH-104	9	9	9	5	0.8403	CCE-956	3	3	3	1	0.4502
IPH-999	7	7	5	5	0.8519	CCE-1038	3	2	2	1	0.4544
IPH-1196	7	7	6	4	0.8951	CCE-121	8	3	6	1	0.4624
IPH-837	9	8	7	5	0.9088	CCE-952	5	5	6	1	0.4624
IPH-1274	8	8	5	5	0.9736	CCE-955	4	4	4	1	0.4971
IPH-1012	9	9	9	2	1.1765	CCE-348	9	9	9	2	0.5149
IPH-914	9	9	9	2	1.1765	CCE-965	4	2	2	1	0.5302
IPH-953	8	9	3	5	1.2052	CCE-997	7	5	6	1	0.5364
IPH-1156	7	7	6	2	1.2111	CCE-949	8	7	6	2	0.5552
IPH-301	8	8	5	3	1.2952	CCE-953	8	7	6	2	0.5552
IPH-1173	9	9	5	3	1.4571	CCE-1008	3	3	2	1	0.5680
IPH-207	9	9	5	3	1.4571	CCE-1015	3	3	2	1	0.5680
IPH-1197	8	7	5	2	1.4738	CCE-1025	3	2	1	1	0.6156
IPH-777	9	8	5	2	1.6677	CCE-957	6	6	5	1	0.6363
IPH-92	9	8	5	2	1.6677	CCE-995	7	7	6	1	0.6474
IPH-1059	9	8	3	3	1.7444	CCE-546	9	9	8	1	0.6628

Project 1	Score				Priority	Project 2	Score				Priority
	B	P	C	R			B	P	C	R	
IPH-1170	9	8	5	2	1.6677	CCE-947	6	6	5	1	0.6363
IPH-1101	8	7	5	1	1.8372	CCE-677	9	9	8	1	0.6628
IPH-1161	3	3	4	5	0.3134	CCE-767	2	3	1	1	0.6669
IPH-91	7	5	7	6	0.4746	CCE-1032	8	7	6	1	0.6844
IPH-1022	9	8	9	5	0.6537	CCE-907	5	6	4	1	0.6959
IPH-835	9	8	9	5	0.6537	CCE-1024	8	8	6	1	0.7398
IPH-923	9	8	5	7	0.6630	CCE-986	7	7	5	1	0.7423
IPH-1144	9	9	9	5	0.6842	CCE-1042	3	3	1	1	0.7695
IPH-951	8	7	6	5	0.6906	CCE-917	8	7	5	1	0.7847
IPH-1072	9	9	8	5	0.7236	CCE-941	9	9	6	1	0.8323
IPH-107	9	8	9	4	0.7280	CCE-969	5	6	3	1	0.8403
IPH-1136	8	7	5	5	0.7386	CCE-944	6	6	3	1	0.9003
IPH-1160	7	7	7	3	0.7744	CCE-945	6	6	3	1	0.9003
IPH-102	7	7	7	3	0.7744	CCE-946	6	6	3	1	0.9003
IPH-506	8	7	8	3	0.7790	CCE-530	9	9	5	1	0.9544
IPH-952	7	7	5	3	0.9203	CCE-1022	7	6	3	1	0.9603
IPH-970	7	7	5	3	0.9203	CCE-943	7	6	3	1	0.9603
IPH-451	8	7	4	4	0.9233	CCE-347	9	8	4	1	1.0438
IPH-808	8	7	5	3	0.9992	CCE-954	7	7	3	1	1.0504
IPH-201	8	7	5	3	0.9992	CCE-970	7	5	2	1	1.0982
IPH-100	8	7	5	3	0.9992	CCE-987	7	5	2	1	1.0982
IPH-533	6	5	4	2	1.0093	CCE-1007	6	6	2	1	1.1361
IPH-1198	8	8	5	3	1.0517	CCE-994	9	9	3	1	1.3505
IPH-109	7	6	5	2	1.0535	CCE-971	5	7	1	1	1.5904
IPH-969	7	6	5	2	1.0535	CCE-1009	8	7	1	1	1.8982
IPH-1071	7	8	6	2	1.0599	CCE-870	8	8	1	1	2.0521
IPH-98	7	5	4	2	1.1174	CCE-959	6	2	4	2	0.3034
IPH-921	7	5	4	2	1.1174	CCE-597	2	1	1	1	0.3376
IPH-905	7	5	4	2	1.1174	CCE-678	4	2	3	1	0.3628
IPH-904	7	5	4	2	1.1174	CCE-485	8	3	6	1	0.3825
IPH-500	2	3	1	1	1.1663	CCE-846	7	3	5	1	0.4075

Project 1	Score				Priority	Project 2	Score				Priority
	B	P	C	R			B	P	C	R	
IPH-954	7	8	5	2	1.1812	CCE-895	8	8	7	2	0.4646
IPH-1015	7	8	5	2	1.1812	CCE-958	8	7	6	2	0.4794
IPH-1016	7	8	5	2	1.1812	CCE-518	9	8	7	2	0.4878
IPH-776	9	9	5	3	1.1832	CCE-333	6	3	3	1	0.5442
IPH-1192	9	9	5	3	1.1832	CCE-721	7	4	4	1	0.5472
IPH-1076	7	4	3	2	1.2003	CCE-968	3	4	2	1	0.6069
IPH-1171	6	6	5	1	1.2186	CCE-719	3	4	2	1	0.6069
IPH-1148	9	6	5	2	1.2450	CCE-1012	7	4	3	1	0.6738
IPH-89	7	5	5	1	1.2592	CCE-950	7	7	4	1	0.7366
IPH-90	9	7	5	2	1.3089	CCE-723	7	5	3	1	0.7515
IPH-1021	7	6	5	1	1.3405	CCE-1046	6	6	3	1	0.7775
IPH-505	8	7	6	1	1.3475	CCE-918	6	2	1	1	0.8682
IPH-809	9	8	3	3	1.3931	CCE-985	7	4	2	1	0.8766
IPH-481	5	5	3	1	1.4324	CCE-1027	7	4	2	1	0.8766
IPH-570	5	5	3	1	1.4324	CCE-332	7	7	3	1	0.9070
IPH-1149	8	6	4	1	1.7113	CCE-845	6	6	2	1	1.0115
IPH-194	8	7	4	1	1.8064	CCE-919	6	3	1	1	1.0129
IPH-996	7	8	3	1	2.1199	CCE-1028	8	8	3	1	1.0366
IPH-964	7	5	2	1	2.2348	CCE-1040	5	5	1	1	1.2058
IPH-908	9	7	2	1	2.9557	CCE-867	7	4	1	1	1.2540
IPH-569	9	9	2	1	3.2441	CCE-744	8	8	2	1	1.3486
						CCE-810	6	8	1	1	1.7363

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## ภาคผนวก ค

### ชุดคำถามของแบบสอบถามการวัดประสิทธิภาพด้านค่าความถูกต้อง

#### ชุดคำถามที่1 สำหรับ โครงการที่ 1

วิธีทำ: ให้วงกลมเครื่องหมายที่คิดว่าผลลัพธ์ตรงใจมากที่สุด ซึ่ง

<< คือ ผลลัพธ์ฝั่งซ้ายมีความถูกต้องมากกว่าฝั่งขวามากๆ

< คือ ผลลัพธ์ฝั่งซ้ายมีความถูกต้องมากกว่าฝั่งขวาพอสมควร

= คือ ผลลัพธ์ฝั่งซ้ายมีความถูกต้องเท่ากับฝั่งขวา

> คือ ผลลัพธ์ฝั่งขวามีความถูกต้องมากกว่าฝั่งซ้ายพอสมควร

>> คือ ผลลัพธ์ฝั่งขวามีความถูกต้องมากกว่าฝั่งซ้ายมากๆ

ตัวอย่าง Which Technique do you think gives the most accurate result?



IPH-108 multiaccount-management-fastuser switching

IPH-96

adapt to ipad navigation concept

IPH-301 easier switching of status

IPH-108

multiaccount-management-  
fastuser switching

IPH-924 explo A/B testing and staged rollout

IPH-837

ios 6 adaption



Question #1 Which Technique do you think gives the most accurate result?

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	multiaccount-management-fastuser	IPH-96	adapt to ipad navigation concept
IPH-108	switching		
IPH-301	easier switching of status	IPH-108	multiaccount-management-fastuser switching
IPH-924	explo A/B testing and staged rollout	IPH-837	ios 6 adaption
IPH-808	add analytics event tracking	IPH-301	easier switching of status
	commendation as option for		
IPH-201	feedback	IPH-569	what's new?-popup

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Question #2 Which Technique do you think gives the most accurate result?

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			Location based call-handling
IPH-995	Contact sync fixing	IPH-1167	(o24.th)
			sync: filter out contacts with only
IPH-1013	contact sync	IPH-952	emails as main number
IPH-499	sync telephone contacts to eburo	IPH-995	Contact sync fixing
			fully working unread badge
IPH-104	live-test for non-customers	IPH-953	functionality
IPH-999	switch over to o24.th webservice	IPH-914	Push notification for new call
			Prototype: push notification for
IPH-1012	Push notification	IPH-86	new call
IPH-914	Push notification for new call	IPH-1015	configuration wizard
	fully working unread badge		
IPH-953	functionality	IPH-1145	rework slide out menu

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**Question #3 Which Technique do you think gives the most accurate result?**

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IPH-1074	ipad support	IPH-1192	try out 1 month free registration
IPH-1161	rework contact sync	IPH-1161	rework contact sync
	status screen dashboard common		
IPH-1020	design	IPH-1074	ipad support
IPH-1251	universal app v.4.0 for all company	IPH-1136	auto load more for call history
	create appointment design for		
IPH-1196	o24.th	IPH-1156	days agenda as a list
IPH-1274	block outdated app version	IPH-1251	universal app v.4.0 for all company
			redesign "create new appointment"
IPH-1156	days agenda as a list	IPH-1071	flow+screens
IPH-1197	segetaria 24 app (o24 based)	IPH-1274	block outdated app version

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## ชุดคำถามที่1 สำหรับ โครงการที่ 2

วิธีทำ: ให้วงกลมเครื่องหมายที่คิดว่าผลลัพธ์ตรงใจมากที่สุด ซึ่ง

<< คือ ผลลัพธ์ฝั่งซ้ายมีความถูกต้องมากกว่าฝั่งขวามากๆ

< คือ ผลลัพธ์ฝั่งซ้ายมีความถูกต้องมากกว่าฝั่งขวาพอสมควร

= คือ ผลลัพธ์ฝั่งซ้ายมีความถูกต้องเท่ากับฝั่งขวา

> คือ ผลลัพธ์ฝั่งขวามีความถูกต้องมากกว่าฝั่งซ้ายพอสมควร

>> คือ ผลลัพธ์ฝั่งขวามีความถูกต้องมากกว่าฝั่งซ้ายมากๆ

Which Technique do you think gives the most accurate result?



REQ-487 Requirement #1

REQ-965 Requirement #4

REQ-43 Requirement #2

REQ-997 Requirement #5

REQ-546 Requirement #3

REQ-949 Requirement #6

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**Question #1 Which Technique do you think gives the most accurate result?**



CCE-487	Change details of complete and incomplete evaluate call note	CCE-965	As a team leader, I want to be able to edit "Target" after I submitted the form
CCE-43	All tables relate to BI Module need to follow Entity Framework's model requirements.	CCE-997	As a team leader, I want to be able to manage cc 360 of my team members.
CCE-546	Team quality index (RPB108)	CCE-949	As a team leader, I want a report generated by using submit call center 360 degree feedback.
CCE-309	Change bonus call page to use direct query instead of CCE Web service	CCE-953	As a manager, I want to view a report generated using new team leader feedback.
CCE-970	As a call note checker, I don't want to see "Plausibility" in all call note reports	CCE-1008	As a manager, I want to change text in Quality Index
CCE-907	General 360 Evaluation- Fisrt version	CCE-1015	As a manager, I want "other" comment to add to the report
CCE-917		CCE-1025	

As a team leader, I want to assign a call center 360 degree feedback.

As a team leader, I want CC 360 to display Team Leader evaluation even if Target isn't filled

CCE-997 As a team leader, I want to be able to manage cc 360 of my team members.

CCE-947 As a call center agent, I want to submit a requested call center 360 degree feedback using online form

CCE-947 As a call center agent, I want to submit a requested call center 360 degree feedback using online form

CCE-957 As a call center agent, I want to submit a requested team leader feedback using online form

CCE-943 As a team leader, I want to submit a requested call center 360 degree feedback using online form.

CCE-995 As a manager, I want to make sure new threshold is effective.

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Question #2 Which Technique do you think gives the most accurate result?



CCE-530	Quality Index Report and Bonus Call Report: Update with new QI.	CCE-1032	As a trainer, I want Feedback to Training report
CCE-1022	As a call center agent, I want to be able to request more feedback regarding the evaluation of a call note	CCE-948	As a team leader, I want to trace an assigned call center 360 degree feedback
CCE-943	As a team leader, I want to submit a requested call center 360 degree feedback using online form.	CCE-951	As a team leader, I want to print out a call center 360 degree feedback report
CCE-347	Call note employee data synchronizer	CCE-969	As a call note checker, I will not evaluate "Plausibility" in call note check page anymore
CCE-954	As a team leader, I want to submit a requested team leader feedback using online form	CCE-965	As a team leader, I want to be able to edit "Target" after I submitted the form
CCE-970	As a call note checker, I don't want to see "Plausibility" in all call note reports	CCE-1025	As a team leader, I want CC 360 to display Team Leader evaluation even if Target isn't filled

CCE-987	As a manager, I want to remove "Call Handling" from Quality Index Dashboard	CCE-1042	As a manager, I want to give agent's colleagues to be able to give a comment but don't show it in print version of a report
CCE-1007	As a manager, I want "Handling with name" back into QI. And remove "Handling with telephone"	CCE-1038	As a manager, I want to update non-cc 360 questions
CCE-994	As a manager, I want to Quality Index Dashboard to update with new threshold	CCE-1015	As a manager, I want "other" comment to add to the report
CCE-971	As a call center agent, I don't want to see "Plausibility" in my Quality Index Dashboard	CCE-767	Team leaders can now access bonus call report

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Question #3 Which Technique do you think gives the most accurate result?



CCE-309	Change bonus call page to use direct query instead of CCE Web service	CCE-994	As a manager, I want to Quality Index Dashboard to update with new threshold
CCE-973	As a manager, I can send our a small survey to CLBS agents	CCE-971	As a call center agent, I don't want to see "Plausibility" in my Quality Index Dashboard
CCE-1004	As a manager, I want to see overall team spirit report	CCE-987	As a manager, I want to remove "Call Handling" from Quality Index Dashboard
CCE-951	As a team leader, I want to print out a call center 360 degree feedback report	CCE-995	As a manager, I want to make sure new threshold is effective.
CCE-1039	As a manager, I need a non-cc 360 report	CCE-1007	As a manager, I want "Handling with name" back into QI. And remove "Handling with telephone"
CCE-487	Change details of complete and incomplete evaluate call note	CCE-1009	Update "Team Leader Locked" Threshold
CCE-956		CCE-870	Call note Check Page- filter out "Misdialed", "call

	As a manager, I want to submit a requested team leader feedback using online form		transferred", "will try again later"
CCE-1038	As a manager, I want to update non-cc 360 questions	CCE-347	Call note employee data synchronizer
CCE-121	User can browse their performance card and quality index from dashboard	CCE-528	Update new QI chart to get color band dynamically from DB
CCE-952	As a manager, I want to trace an assigned team leader feedback.	CCE-530	Quality Index Report and Bonus Call Report: Update with new QI.

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## ภาคผนวก ง

### รหัสต้นฉบับ (Source code) ส่วนของ Binary Search tree

#### ส่วนของ Binary Search Tree

```
<?php
function addBiNode(&$tree, $node){
    if($tree === null){
        $tree = $node;
    } else if($node['value'] < $tree['value']){
        addBiNode($tree['left'], $node);
    } else{
        addBiNode($tree['right'], $node);
    }
}

function _getBiSorted($tree, &$sorted){
    if($tree === null) return;

    _getBiSorted($tree['right'], $sorted);
    $sorted[] = $tree['obj'];
    _getBiSorted($tree['left'], $sorted);
}

function getBiSorted($tree){
    $sorted = array();

    _getBiSorted($tree, $sorted);

    return $sorted;
}
```

>

ส่วนของหน้าแสดงผลการเรียงลำดับความต้องการ

```
<?php
    require_once "bisearch.php";
?>

<!doctype html>
<html>
    <head>
        <meta charset="utf-8">
        <title>Requirement Prioritization by Jenjira Jaimunk</title>
        <meta charset="utf-8" />
        <title>jQuery UI Accordion - Default functionality</title>
        <link rel="stylesheet"
href="http://code.jquery.com/ui/1.10.3/themes/smoothness/jquery-ui.css" />
        <script src="http://code.jquery.com/jquery-1.9.1.js"></script>
        <script src="http://code.jquery.com/ui/1.10.3/jquery-ui.js"></script>
        <link rel="stylesheet" href="/resources/demos/style.css" />
        <script>
            $(function() {
                $("#accordion").accordion();
            });
        </script>
    </head>

    <body>

        <div id="accordion">
```

<h3>Requirement in Group 1</h3>

<div>

<?php

include "mysql\_connect.php";

?>

<h1>Requirements List</h1>

<?php

\$query = 'SELECT name, cost, value, time FROM  
requirement WHERE reqGroup=1';

\$query1 = 'SELECT cost, value, risk FROM  
criteria';

\$result = mysql\_query(\$query);

\$result1 = mysql\_query(\$query1);

\$num\_rows = mysql\_num\_rows(\$result);

\$num\_fields = mysql\_num\_fields(\$result);

\$num\_rows1 = mysql\_num\_rows(\$result1);

\$num\_fields1 = mysql\_num\_fields(\$result1);

mysql\_close();

\$criteria = mysql\_fetch\_assoc(\$result1);

\$reqs = array();

for(\$i=0; \$i < \$num\_rows; \$i++){

\$row = mysql\_fetch\_assoc(\$result);

\$reqs[] = array(

'key' => \$row['name']

```

        , 'value' => (($row['cost'] *
Criteria['cost']) + ($row['value'] * Criteria['value']) + ($row['time'] * Criteria['risk']))
    );
}
//arsort($reqs);

$tree = null;
foreach($reqs as $req){
    addBiNode($tree, array('value' =>
$req['value'], 'obj' => $req));
}
$reqObjs = getBiSorted($tree);

echo '<table id="requirement_table" width="90%"
border="1" align="center">';
echo '<tr>';
echo "<th scope='col'>Req</th>";
echo "<th scope='col'>Value</th>";
echo '</tr>';
foreach($reqObjs as $reqObj){
    $row = mysql_fetch_assoc($result);
    echo '<tr id="row">';
    echo "<td scope='col'>" . ($reqObj['key']).
"</td>";
    echo "<td scope='col'>" .
($reqObj['value']). "</td>";
    echo '</tr>';
}

```

```

        echo '</table>';
    ?>
</div>

<h3>Requirement in Group 2</h3>
<div>
    <p>
        For Requirements in group 2
    </p>
    <?php
        include "mysql_connect.php";
    ?>
    <h1>Requirements List</h1>
    <?php
        $query = 'SELECT name, cost, value, time FROM
requirement WHERE reqGroup=2';
        $query1 = 'SELECT cost, value, risk FROM
criteria';

        $result = mysql_query($query);
        $result1 = mysql_query($query1);

        $num_rows = mysql_num_rows($result);
        $num_fields = mysql_num_fields($result);

        $num_rows1 = mysql_num_rows($result1);
        $num_fields1 = mysql_num_fields($result1);

        mysql_close();

```

```

$criteria = mysql_fetch_assoc($result1);

$reqs = array();

for($i=0; $i < $num_rows; $i++){

    $row = mysql_fetch_assoc($result);

    $reqs[] = array(

        'key' => $row['name']

        , 'value' => (($row['cost'] *

$criteria['cost']) + ($row['value'] * $criteria['value']) + ($row['time'] * $criteria['risk']))

    );

}

//arsort($reqs);

$tree = null;

foreach($reqs as $req){

    addBiNode($tree, array('value' =>

$req['value'], 'obj' => $req));

}

$reqObjs = getBiSorted($tree);

echo '<table id="requirement_table" width="90%"

border="1" align="center">';

echo '<tr>';

echo "<th scope='col'>Req</th>";

echo "<th scope='col'>Value</th>";

echo '</tr>';

foreach($reqObjs as $reqObj){

    $row = mysql_fetch_assoc($result);

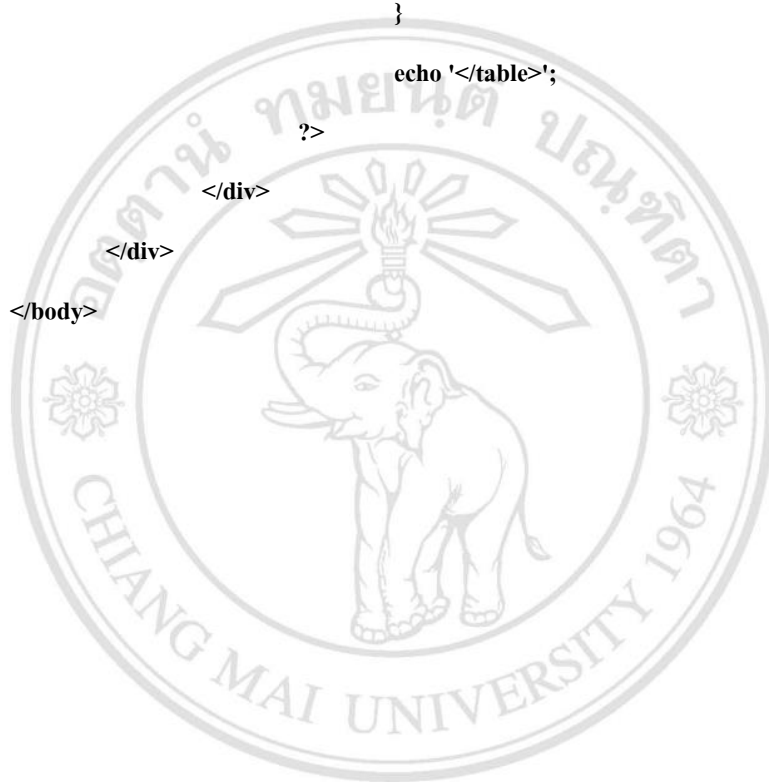
```



```

        echo '<tr id="row">';
        echo "<td scope='col'" . ($reqObj['key']).
"</td>";
        ($reqObj['value']). "</td>";
        echo '<tr>';
    }
    echo '</table>';
?>
</div>
</div>
</body>
</html>

```



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## ประวัติผู้เขียน

|                   |   |
|-------------------|---|
| ชื่อ-นามสกุล      | นางสาวเจนจิรา ใจมั่ง  |
| วัน เดือน ปี เกิด | 18 มิถุนายน พ.ศ. 2530   |
| ประวัติการศึกษา   | ปีการศึกษา 2549 วิทยาศาสตรบัณฑิต สาขาวิชาวิศวกรรมซอฟต์แวร์ มหาวิทยาลัยเชียงใหม่   |
| ทุนการศึกษา       | ปีการศึกษา 2552 ได้รับทุนการศึกษา Erasmus Mundus เป็นนักศึกษาแลกเปลี่ยน ไปยัง University of Sannio ประเทศอิตาลี<br>ปีการศึกษา 2553 ถึง 2555 ได้รับทุนการศึกษาจากวิทยาลัยศิลปะสื่อและเทคโนโลยี ในหลักสูตรวิทยาศาสตรมหาบัณฑิต สาขาวิชาวิศวกรรมซอฟต์แวร์   |
| ผลงานตีพิมพ์      | J. Jaimunk and P. Sureephong. "Deciding for the Proper Prioritization Method for Software Requirements under Large Scale of Requirement Consideration" The 7th Conference on Software, Knowledge, Information Management and Applications, Chiang Mai, Thailand, 18-20 December, 2013<br><br>J. Jaimunk, W. Singkhamfu, and T. Chiablaem. "The Integration of Social Media and Mobile Technology for Improving Outsourcing", The 8th International Congress on Logistics and SCM Systems, Tokyo, Japan, 5-7 August, 2013.<br><br>J. Jaimunk and P. Sureephong. "Social Media for Education on Mobile: A Case Study of College of Arts, Media and Technology, Thailand", Journal of Advances in Computer Networks vol. 1, no. 3, pp. 178-182, 2013, Seoul, Korea, 11-12 May, 2013. |

J. Jaimunk, N. Choosri, J. Wanitwattanakosol, and K. Meksamoot. "Automated Model for Electronic Mass Production Using RFID Technology: A Case Study at a Company in Thailand" The 6th Conference on Software, Knowledge, Information Management and Applications, Chengdu, China, 9-11 September, 2012



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