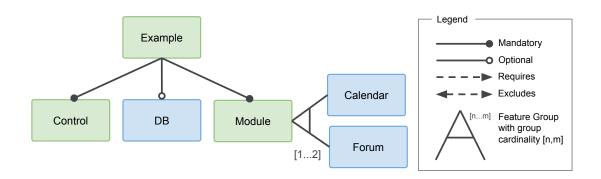
APPENDIX E - PRE-STUDY QUESTIONNAIRE

E.1 FEATURE MODEL



E.2 GENERAL INFORMATION

Feature	Cost	Import.
Example	3	0
Control	4	2
DB	2	3
Module	3	0
Calendar	2	4
Forum	1	3

of mutants: 10

of pairs: 10

Mutants: {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Alive Mutants: {3, 4, 5, 8, 9, 10}

Equivalent Mutants: $\{1, 2, 6, 7\}$

Pairs: {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

E.3 PRODUCTS

#	Features	Killed Mutants	Covered Pairs	Cost	Import.
1	Example, Control, Module, Calendar, Forum, DB	9	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	15	12
2	Example, Control, Module, Calendar, Forum	3, 9	2, 3, 4, 8, 9, 10	13	9
3	Example, Control, Module, Calendar, DB	4, 8	1, 2, 3, 5, 6, 8	14	9
4	Example, Control, Module, Calendar	3, 4, 8	2, 3, 8	12	6
5	Example, Control, Module, Forum, DB	5, 8, 10	1, 2, 4, 5, 7, 9	13	8
6	Example, Control, Module, Forum	3, 5, 8	2, 4, 9	11	5
			Sum	78	49

Possible Solutions: {1, 2}, {3, 4, 5}, {1}, {2, 4, 5, 6}, etc.

E.4 QUESTIONS

corre	1				
(a) 6					
(b) 1					
(c) 3					
(d) 2					
estion 2: (2 Po	ints) What do	es a mutant fea	ature model n	nean? Choose c	correct option.
(a) A modified	version of the	original diag	am aiming to	describe a faul	lt
(b) A diagram for testing	used to represe	ent commonali	ties and varia	bilities, and also	o to derive pro
(c) A promine system or s		ve user-visible	aspect, qual	ity, or characte	ristic of a sof
(d) None of the	e above				
estion 3: (2 Po	ints) Please in	ndicate how n	nuch you agr	ee or disagree	with the follo
sente	· ·	ible to generat	e multiple soi	lutions from this	s feature mode strongly
sente	nce "It is poss		e multiple soi	_	s feature mode
sente strongly agree cestion 4: (2 Po	agree ints) Provide	ible to generat	tral which 100%	lutions from this	s feature mode strongly disagree
sente strongly agree cestion 4: (2 Po	agree ints) Provide	neut a solution in v	tral which 100%	disagree of the killed m	s feature mode strongly disagree
sente strongly agree cestion 4: (2 Po What	agree ints) Provide is the cost val	neut a solution in vue of this solu	tral which 100% of tion?	disagree of the killed m	s feature mode strongly disagree utants are co
sente. strongly agree cestion 4: (2 Po What Product #1 Cost: cestion 5: (2 Po	ints) Provide is the cost val	neut a solution in vue of this solu Product #3	which 100% of thich 100% of thich 100% of the thick 100% of the th	disagree of the killed m	s feature mode strongly disagree utants are co
sente. strongly agree cestion 4: (2 Po What Product #1 Cost: cestion 5: (2 Po	ints) Provide is the cost val	a solution in was a solution i	which 100% of thich 100% of thich 100% of the thick 100% of the th	disagree of the killed m Product #5	s feature mode strongly disagree utants are co