CO1

	Pair1	Pair 2	Pair 3	Expected DESIGN PROBLEM
Sumário 1: HibernateMatriculaInstitucionalDao				Overload Component
Aba 1: Aglomerações	Irrelevante	Pouco Relevante	Pouco Relevante	
DESIGN PROBLEM FOUND	SIM	NÃO	NÃO	
Sumário 2: HibernateMatriculaAcademicaDao				Concern Overload
Aba 1: Aglomerações	Irrelevante	Pouco Relevante	Pouco Relevante	
DESIGN PROBLEM FOUND	NÃO	NÃO	SIM	
Sumário 3: OcorrenciaService				Concern overload, Scattered concern, Unwanted Dependency
Aba 1: Aglomerações	Bastante Relevante	Muito Relevante	Bastante Relevante	
DESIGN PROBLEM FOUND	SIM (3), Concern Overload, Scattered Concern, Unwanted Dependency	SIM (Concern Overload	NÃO	
Sumário 4: MatriculaAcademicaService				Concern Overload
Aba 1: Aglomerações	Bastante Relevante	Muito Relevante	Bastante Relevante	
DESIGN PROBLEM FOUND	SIM (Concern Overload)	NÃO	NÃO	
Sumário 5: MatriculaInstitucionalService				Concern Overload
Aba 1: Aglomerações	Bastante Relevante	Bastante Relevante	-	
DESIGN PROBLEM FOUND	SIM (Concern Overload)	SIM (Concern Overload)		

CO2

	Pair 4	Pair 5		EXPECTED DESIGN PROBLEM
Sumário 1: DeviceRepository				Concern Overload, Unwanted Dependency
Aba 1: Aglomerações	Bastante Relevante	Muito Relevante		
DESIGN PROBLEM FOUND	NÃO	NÃO		
Sumário 2: APP				Concern Overload
Aba 1: Aglomerações	Pouco Relevante	Bastante Relevante		
DESIGN PROBLEM FOUND	SIM Concern Overload	SIM Concern Overload		
Sumário 3: ContractDTO				Concern Overload, Unwanted Dependency
Aba 1: Aglomerações	Pouco Relevante	Muito Relevante		
DESIGN PROBLEM FOUND	NÃO	NÃO		
Sumário 4: ContractService				Concern Overload
Aba 1: Aglomerações	Bastante Relevante	Muito Relevante		
DESIGN PROBLEM FOUND	SIM Concern Overload	SIM		

Total of responses: 22

Perception	Design problem found	%	Design problem not found	%
Irrelevant	1	4,54%	1	4,54%
Slightly relevant	2	9,09%	4	18,18%
Relevant	2	9,09%	3	13,63%
Highly relevant	6	27,27%	3	13,63%
Total	11		11	

CO1

	Sumario1					Sumario2					Sumario3					Sumario4					Sumario5				
	Expected Design Problem	Reported	TP	FP	FN	Expected Design Problem	Reported	TP	FP	FN	Expected Design Problem	Reported	TP	FP	FN	Expected Design Problem	Reported	TP	FP	FN	Expected Design Problem	Reported	TP	FP	FN
Pair 1	Overload Component	SIM	1	0	0	Concern Overload	NAO	0	0	1	Concern overload, Scattered concern, Unwanted Dependency	SIM(3)	3	0	0	Concern Overload	SIM	1	0	0	Concern Overload	SIM	1	0	0
Pair 2	Overload Component	NAO	0	0	1	Concern Overload	NAO	0	0	1	COncern overload, Scattered concern, Unwanted Dependency	SIM(1)	1	0	2	Concern Overload	NAO	0	0	0	Concern Overload	SIM	1	0	0
Pair 3	Overload Component	NAO	0	0	1	Concern Overload	SIM	1	0	0	COncern overload, Scattered concern, Unwanted Dependency	NAO	0	0	3	Concern Overload	NAO	0	0	0	Concern Overload	-	0	0	1
	Sum		1	0	2			1	0	2			4	0	5			1	0	0			2	0	1
	Precision	100,00%				Precision	100,00%				Precision	100,00%				Precision	100,00%					100,00%			
	Recall	33,33%				Recall	33,33%				Recall	44,44%				Recall	100,00%					66,67%			

Total			
	TP	FP	FN
Sum	13	0	18
Precis	100,00%		
Recall	41,94%		

Total para sistema 1			
	TP	FP	FN
Sum	9	0	10
Precision	100,00%		
Recall	47,37%		

CO2

	Sumario1					Sumario2					Sumario3					Sumario4				
	Expected Design Problem	Reported	TP	FP	FN	Expected Design Problem	Reported	TP	FP	FN	Expected Design Problem	Reported	TP	FP	FN	Expected Design Problem	Reported	TP	FP	FN
Pair 4	Concern Overload, Unwanted Dependency	NAO	0	0	2	Concern overload	SIM Concern Overload	1	0	0	Concern Overload, Unwanted Dependency	NAO	0	0	2	Concern Overload	SIM	1	0	0
Pair 5	Concern Overload, Unwanted Dependency	NAO	0	0	2	Concern overload	SIM Concern Overload	1	0	0	Concern Overload, Unwanted Dependency	NAO	0	0	2	Concern Overload	SIM	1	0	0
	Sum		0	0	4			2	0	0			0	0	4			2	0	0
	Precision	#DIV/0!				Precision	100,00%				Precision	#DIV/0!					100,0			
	Recall	0,00%				Recall	100,00%				Recall	0,00%					100,0			

Total para sistema 2			
	TP	FP	FN
Sum	4	0	8
Precision	100,00%		
Recall	33,33%		