

	Nota	Total	Conceitos		Herança		Associações		Atributos		Interface (métodos)		uilib	app	core	Problemas	
Grupo	3.00	3.00	0.80		0.50		0.70		0.50		0.50		25%	25%	50%	0.50	
001	2.33	2.33	0.75	state switcher	1.00		0.50	assoc, mult	1.00	notifications	0.75	school	1.00	1.00	1.00	0.00	generics, bind
002	2.15	2.15	1.00		0.50	persons	0.50	assoc	0.75	person, survey status	0.75	student	1.00	1.00	1.00	0.00	
003	1.95	1.95	0.75	representative	0.50	representative	0.50	assoc, mult	1.00	survey state	0.75	discipline, course	1.00	1.00	1.00	0.25	generics, bind
004	2.20	2.20	0.75	representative	1.00		0.50	assoc, mult	0.50	NUMCOUNT	1.00		1.00	1.00	1.00	0.00	
005	1.95	1.95	0.75	representative	0.50	representative	0.50	assoc, mult	1.00	notifications	0.75	school, project	1.00	1.00	1.00	0.25	generics, bind
006	1.38	1.38	0.50	representative, school	0.25	representative, generics	0.50	assoc, mult	0.75	survey state, “char”	0.50	(core)	1.00	1.00	1.00	0.25	nomenc, generics, bind
007	1.70	1.70	0.75	responsibility, representative	0.50	(bad interface)	0.50	assoc, mult, IO	0.75	notification	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind, inheritance
008	2.88	2.88	1.00	notification system	1.00		1.00	survey, assoc	0.75	representative	1.00		1.00	1.00	1.00	0.00	
009	2.08	2.08	0.75	notification, project submission, representative	0.75	menus	0.50	assoc, mult, deps	0.50	role	1.00	survey	1.00	1.00	1.00	0.00	generics, bind
010	2.53	2.53	1.00		1.00		0.50	assoc, mult, deps	0.75	person	1.00		1.00	1.00	1.00	0.00	
011	1.50	1.50	0.50	survey interfaces, project user, comparators	0.25	survey interfaces, etc. (school manager)	0.50	assoc, mult	0.50	representative, idNext	0.75	school, discipline	1.00	1.00	1.00	0.00	

012	NA	sem entrega uml															
013	1.88	1.88	0.50	administrative, submission	1.00		0.50	assoc, deps	0.75	representative	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
014	1.83	1.83	0.75	representative, notification	0.50	representative	0.50	assoc, mult, deps	0.75	representative, project state, survey state	0.75	school	1.00	1.00	1.00	0.25	generics, bind
015	2.68	2.68	0.75	representative, notification	1.00		1.00		1.00	project state	0.75	school	1.00	1.00	1.00	0.00	
016	1.95	1.95	0.75	representative	0.50	representative	0.50	assoc, mult, deps	0.75	project state, representative, person	0.75	discipline, school, (core)	1.00	1.00	1.00	0.00	generics, bind
017	1.65	1.65	0.75	administrative	0.75	generics	0.25	assoc, mult, deps	0.75	representative	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
018	1.95	1.95	0.75	representative	0.75	generics	0.50	assoc, mult, reorepresentative	0.75	representative	0.75	project, discipline	1.00	1.00	1.00	0.25	generics, bind
019	2.20	2.20	0.75	representative, survey notifications	0.50	representative, notification	0.50	assoc, mult	1.00		1.00		1.00	1.00	1.00	0.00	notation
020	2.65	2.65	1.00	notification	1.00	employee	0.50	assoc, mult	1.00	project state	1.00		1.00	1.00	1.00	0.00	generics, bind
021	2.20	2.20	0.75	representative	0.50	representative	0.50	assoc, mult, deps	1.00		1.00		1.00	1.00	1.00	0.00	generics, bind
022	1.95	1.95	0.75	representative, notification	0.50	representative	0.50	assoc, mult, deps	0.50	school, login, type	1.00		1.00	1.00	1.00	0.00	
023	1.08	1.08	0.50	school manager, survey state	0.50	menus, etc.	0.25	assoc, mult, deps	0.25	types, (core)	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
024	NA	sem entrega uml															

025	1.30	1.30	0.50	school manager	1.00		0.50	assoc, mult, representative, (core)	0.75	survey state, project state	0.25	(core)	0.25	1.00	1.00	0.25	generics, bind
026	1.50	1.50	0.50	representative, school manager	0.50	representative	0.50	assoc, mult, (core)	0.75	survey state, project state	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
027	2.15	2.15	1.00	notification	1.00		0.50	assoc, mult	0.50	survey state, currentId	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
028	1.13	1.13	0.50	school manager, person, representative	0.25	representative, (core)	0.50	assoc, mult, deps	0.50	reps, person, (core)	0.25	(core)	1.00	1.00	1.00	0.25	notation, generics, bind
029	2.15	2.15	1.00	notification	1.00		0.50	assoc, mult, deps	0.75	representative	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
030	2.08	2.08	0.75	representative, notification manager, survey state	1.00		0.50	assoc, mult	0.75	optional, project state	0.75	student	1.00	1.00	1.00	0.25	notation
031	2.15	2.15	1.00	notification	1.00		0.50	assoc, mult, deps	0.50	reps	0.50	(core)	1.00	1.00	1.00	0.00	
032	2.40	2.40	1.00	notification	1.00		0.50	assoc, mult	0.75	survey state, project state	0.75	school	1.00	1.00	1.00	0.00	generics, bind
033	2.20	2.20	0.75	representative	1.00		0.50	assoc, mult	0.75	survey state, project state	0.75	school, discipline	1.00	1.00	1.00	0.00	generics, bind
034	2.28	2.28	1.00	survey response	1.00		0.50	assoc, mult	0.75	(app), representative, survey state	0.50	(core)	1.00	1.00	1.00	0.00	
035	2.40	2.40	1.00		1.00		0.50	assoc, mult	0.75	representative, survey state	1.00		1.00	1.00	1.00	0.25	notation, generics, bind
036	1.90	1.90	1.00	notification	1.00		0.50	assoc, mult	0.50	survey state, project state, nextId	0.25	(core)	1.00	1.00	1.00	0.25	generics, bind

037	NA	sem entrega uml															
038	1.53	1.53	0.75	representative	0.50	representative	0.25	assoc, mult, deps, (core)	0.75	survey state	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
039	2.38	2.38	0.75	list managers	0.75	list managers	0.75	assoc, (core)	0.75	representative, survey state	1.00		1.00	1.00	1.00	0.00	
040	2.28	2.28	1.00	notification	1.00		0.50	assoc, mult	0.75	project state, survey state	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
041	0.34	0.34	0.25	(core)	0.25	(core)	0.25	(core)	0.25	(core)	0.25	(core)	1.00	1.00	0.25	0.25	notation, generics, bind
042	1.45	1.45	0.75	representative	0.50	representative, menus	0.50	assoc, mult	0.25	(core)	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
043	0.34	0.34	0.25	(core)	0.25	(core)	0.25	(core)	0.25	(core)	0.25	(core)	1.00	1.00	0.25	0.25	notation, generics, bind
044	2.08	2.08	0.75	representative, notification	0.75	persons	0.50	assoc, deps	0.75	representative, survey state, project state	0.75	discipline, (core)	1.00	1.00	1.00	0.00	generics, bind
045	1.78	1.78	0.75	representative, notification	1.00		0.25	assoc, mult, deps	0.50	(core)	0.50	(core)	1.00	1.00	1.00	0.00	
046	1.26	1.26	0.75	representative, school manager	0.50	representative	0.50	assoc, mult	0.50	project state, (core)	0.50	(core)	1.00	0.25	1.00	0.25	notation
047	1.95	1.95	0.75	representative	0.50	representative	0.50	assoc, mult	0.75	notification, blocked	0.75	discipline	1.00	1.00	1.00	0.00	
048	2.45	2.45	0.75	representative	1.00		0.50	assoc, mult	1.00	MAX_ID	1.00		1.00	1.00	1.00	0.00	generics, bind
049	2.08	2.08	0.75	representative	1.00		0.50	assoc, representative, (core)	1.00		0.25	(core)	1.00	1.00	1.00	0.00	generics, bind

050	2.20	2.20	0.75	representative, notification	1.00		0.50	assoc, mult	0.75	project state, survey state	0.75	school	1.00	1.00	1.00	0.00	generics, bind
051	1.95	1.95	0.75	representative	0.50	representative	0.50	assoc, mult	0.75	survey state	0.75	survey	1.00	1.00	1.00	0.00	generics, bind
052	1.95	1.95	0.75	representative, closed project	0.50	representative	0.50	assoc, mult	1.00		0.75	project, survey, school	1.00	1.00	1.00	0.25	notation, generics, bind
053	2.25	2.25	0.75	representative, notification	1.00		0.75	assoc, student, teacher	0.75	survey state	0.50	(core)	1.00	1.00	1.00	0.00	
054	2.25	2.25	0.75	representative, notification	1.00		0.75	assoc, representative	0.50	ID_COUNT, survey state	0.75	school, discipline	1.00	1.00	1.00	0.00	
055	0.01	0.01	0.75	representative, notification	0.50	representative	0.00		0.50	survey state, project state	0.00		0.00	0.00	0.25	0.25	notation
056	1.58	1.58	0.75	representative, notification	0.25	(app), (core)	0.50	assoc, mult	0.75	survey state	0.50	(core)	1.00	1.00	1.00	0.25	notation, generics, bind
057	1.88	1.88	0.50	special student, general student, representative	0.50	student	0.50	assoc, mult	0.75	school manager	1.00		1.00	1.00	1.00	0.00	
058	2.40	2.40	1.00		1.00		0.50	assoc, mult	0.75	survey state, project state	0.75	discipline	1.00	1.00	1.00	0.00	
059	2.83	2.83	1.00	notification	1.00		0.75	assoc	1.00		1.00		1.00	1.00	1.00	0.00	
060	1.53	1.53	0.75	representative	1.00		0.25	assoc, mult	0.25	representative, (core)	0.25	(core)	1.00	1.00	1.00	0.00	
061	2.33	2.33	0.75	representative, notification	1.00		0.50	assoc, mult	0.75	representative, survey state	1.00		1.00	1.00	1.00	0.00	
062	1.83	1.83	0.75	representative, comparators	0.50	representative	0.50	assoc, mult	0.75	survey state, project state	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind

063	1.38	1.38	0.50	representative, main, entidade ensino, school manager	0.50	representative	0.50	assoc, mult, deps	0.50	(core strings)	0.25	(core)	1.00	1.00	1.00	0.00	generics, bind
064	2.40	2.40	1.00	notification	1.00		0.50	assoc, mult	0.75	survey state	0.75	project	1.00	1.00	1.00	0.00	generics, bind
065	2.33	2.33	0.75	estado	1.00		0.50	assoc, mult, deps	0.75	student fields, representative, etc.	1.00	(core)	1.00	1.00	1.00	0.00	generics, bind
066	2.08	2.08	0.75	representative, notification	1.00		0.50	assoc, mult	0.50	(core strings), survey state, project state, representative	0.75	school, discipline	1.00	1.00	1.00	0.00	generics, bind
067	2.15	2.15	1.00	notification	1.00		0.50	assoc, mult, deps	0.75	person	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
068	2.70	2.70	1.00		1.00	serializable	0.75	mult	1.00		0.75	school, discipline	1.00	1.00	1.00	0.00	generics, bind
069	1.95	1.95	0.75	representative, notification	0.75	representative	0.50	assoc, mult	0.75	survey state, ID	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
070	2.08	2.08	0.75	representative	1.00		0.50	assoc, mult	0.75	representative, survey state	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
071	1.83	1.83	0.75	administrative	1.00		0.50	assoc, mult	0.50	representatives, (core)	0.25	(core)	1.00	1.00	1.00	0.00	notation
072	2.08	2.08	0.75	administrative	1.00		0.50	assoc, mult, (core)	0.50	discipline students, etc. (core)	0.75	school.	1.00	1.00	1.00	0.00	
073	1.70	1.70	0.75	representative	0.50	representative	0.50	assoc, mult, deps	0.75	student, survey	0.50	person, school, (core)	1.00	1.00	1.00	0.25	generics, bind
074	NA	sem entrega uml															
075	NA	sem entrega uml															

076	2.40	2.40	1.00		1.00		0.50	assoc, mult, deps, (core)	0.75	survey state, project state	0.75	project, discipline	1.00	1.00	1.00	0.00	
077	2.08	2.08	0.75	representative	1.00		0.50	assoc, mult	0.75	survey state	0.75	school, discipline	1.00	1.00	1.00	0.25	notation, generics, bind
078	1.83	1.83	0.75	representative	0.50	representative	0.50	assoc, mult, deps	0.75	survey state	0.50	(core)	1.00	1.00	1.00	0.00	
079	2.55	2.55	0.75	administrative	1.00		1.00		0.75	project state, survey state	0.75	school	1.00	1.00	1.00	0.00	nomenc
080	2.43	2.43	0.75	school manager	1.00		1.00		1.00		0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
081	1.70	1.70	0.75	representative	0.50	representative	0.50	assoc, mult, deps	0.75	survey state, project state	0.25	(core)	1.00	1.00	1.00	0.00	
082	1.83	1.83	0.75	representative	0.50	representative	0.50	assoc, mult, deps, (core)	0.75	survey state, project state	0.75	school, project, (core)	1.00	1.00	1.00	0.25	generics, bind
083	1.95	1.95	0.75	representative	1.00		0.50	assoc, mult	0.75	course, student, states, representative	0.50	(core)	1.00	1.00	1.00	0.25	notation
084	1.70	1.70	0.75	representative, registration	0.50	(app), representative	0.50	assoc, mult	0.50	(app), (core strings), student, person, id, survey state, project state	0.75	school, discipline	1.00	1.00	1.00	0.25	generics, bind
085	1.50	1.50	0.50	college, administrative	0.50	college, person	0.50	assoc, mult, deps, (core)	0.50	survey state, (core)	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
086	2.43	2.43	0.75	representative, notification	1.00		1.00		0.75	representative	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
087	1.95	1.95	0.75	representative	1.00		0.50	assoc, mult, deps, (core)	0.50	(core strings)	0.75	project, discipline	1.00	1.00	1.00	0.25	generics, bind

088	1.70	1.70	0.75	representative, notification	0.50	representative, utilizador, survey state	0.50	assoc, mult	0.75	survey state, project state	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind, nomenc
089	1.95	1.95	0.75	representative, administrative	0.50	representative	0.50	assoc, mult, deps	1.00	school manager	0.50	(core)	1.00	1.00	1.00	0.00	
090	2.08	2.08	0.75	representative, notification	0.50	representative	0.50	assoc, mult	0.75	survey state, project state, (core strings)	1.00		1.00	1.00	1.00	0.00	generics, bind
091	2.40	2.40	1.00		1.00		0.50	assoc, mult, representative	0.75	survey state, project state, notifications	0.75	school	1.00	1.00	1.00	0.00	generics, bind
092	2.33	2.33	0.75	role, survey state, representative	1.00		0.50	assoc, mult	0.75	representative, survey state	1.00		1.00	1.00	1.00	0.00	generics, bind
093	2.08	2.08	0.75	school manager	1.00		0.50	assoc, mult	0.75	survey state	0.75	school, project, discipline, school manager	1.00	1.00	1.00	0.25	generics, bind, nomenc
094	NA	sem entrega uml															
095	2.88	2.88	1.00	comparators	1.00		1.00		0.75	notification list	1.00		1.00	1.00	1.00	0.00	generics, bind
096	NA	sem entrega uml															
097	1.83	1.83	0.75	representative	0.50	representative	0.50	assoc, deps	0.75	survey state	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
098	NA	sem entrega uml															
099	1.20	1.20	0.50	representative, school manager	0.50	representative	0.25	assoc, mult, deps	0.75	survey state	0.25	(core)	1.00	1.00	1.00	0.25	generics, bind
100	1.95	1.95	0.75	representative, notification	0.50	representative	0.50	assoc, deps, project	0.75	representative	0.75	discipline, school, project	1.00	1.00	1.00	0.00	nomenc



101	2.08	2.08	0.75	representative	1.00		0.50	assoc, mult	0.75	representative	0.50	(core)	1.00	1.00	1.00	0.00	
102	2.03	2.03	1.00		1.00		0.50	assoc, mult, (core)	0.75	survey status	0.25	(core)	1.00	1.00	1.00	0.25	generics, bind
103	1.95	1.95	0.75	representative, notification	0.50	representative	0.50	assoc, deps	1.00	reps	0.75	discipline, (core)	1.00	1.00	1.00	0.25	generics, bind, nomenc
104	NA	sem entrega uml															
105	2.20	2.20	0.75	representative	1.00		0.50	assoc, mult	0.50	(core strings)	1.00		1.00	1.00	1.00	0.00	notation
106	1.95	1.95	0.75	representative, notification	1.00		0.50	assoc, mult, student	0.75	survey state	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind, nomenc
107	2.33	2.33	0.75	representative	1.00		0.50	assoc, mult	0.75	representative, survey state	1.00		1.00	1.00	1.00	0.00	generics
108	2.55	2.55	0.75	representative, notification	0.50	representative	1.00		1.00	survey state	1.00		1.00	1.00	1.00	0.00	
109	2.10	2.10	1.00		1.00		0.25	assoc, mult, school manager, representative	0.75	representative, survey state	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
110	2.15	2.15	1.00	fábrica, notification	1.00		0.50	assoc, mult, reorientative	0.50	school, representative, discipline	0.75	discipline	1.00	1.00	1.00	0.25	generics, bind
111	0.34	0.34	0.25	(core)	0.25	(core)	0.25	(core)	0.25	(core)	0.25	(core)	1.00	1.00	0.25	0.25	generics, bind
112	1.20	1.20	0.50	representative, administrative, school manager	0.50	(uilib), (app), representative	0.25	assoc, deps, (core)	0.50	(core)	0.50	discipline, person, etc. (core)	1.00	1.00	1.00	0.25	notation, generics, bind
113	2.50	2.50	1.00	project state	1.00		1.00		0.75	representative	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind

114	2.88	2.88	1.00	notification	1.00		1.00		0.75	representative, survey state	1.00		1.00	1.00	1.00	0.00	
115	1.63	1.63	0.50	representative, administrative, project, survey	0.50	representative	0.50	assoc, mult	0.50	(core)	0.75	discipline	1.00	1.00	1.00	0.00	generics, bind
116	2.38	2.38	0.75	student behaviour	1.00		0.75	assoc	1.00	survey	0.75	school, discipline, project	1.00	1.00	1.00	0.25	notation, generics, bind
117	1.83	1.83	0.75	representative	1.00		0.50	assoc, mult, deps	0.50	project state, survey state, course number	0.50	(core)	1.00	1.00	1.00	0.25	notation, generics, bind
118	NA	sem entrega uml															
119	1.83	1.83	0.75	sepresentative, student type, notificationr	0.50	representative	0.50	assoc, mult	0.75	project state, survey state	0.75	school, discipline	1.00	1.00	1.00	0.25	generics, bind
120	2.15	2.15	1.00	representative	1.00		0.50	assoc, mult, (core)	0.50	project state, survey state, representative	0.75	school, survey, discipline, project	1.00	1.00	1.00	0.25	notation, generics, bind
121	1.70	1.70	0.75	responsible, notification	0.50	responsible, types	0.50	assoc, mult	0.25	project state, survey state, uniqueId, person type, reps	1.00		1.00	1.00	1.00	0.25	notation, generics, bind
122	1.45	1.45	0.75	representative	0.50	representative, types	0.50	assoc, mult, deps	0.50	(core strings), person types, survey state	0.25	(app), (core)	1.00	1.00	1.00	0.25	notation, generics, bind
123	1.38	1.38	0.75	representative	0.50	representative, project	0.50	assoc, mult	0.50	(core)	0.50	(core)	0.25	1.00	1.00	0.00	generics, bind
124	1.98	1.98	1.00		1.00		0.25	assoc, mult, (core)	0.75	survey state, representative	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind, nomenc

125	2.58	2.58	1.00		1.00		0.75	mult	0.75	representative, survey, survey state	0.75	school, discipline	1.00	1.00	1.00	0.00	
126	NA	sem entrega uml															
127	2.20	2.20	0.75	survey	1.00		0.50	assoc, mult, reorientative	0.75	survey state, project state, person	0.75	discipline, (core)	1.00	1.00	1.00	0.00	generics, bind
128	2.03	2.03	1.00	notification	0.50	(uilib), (app)	0.50	assoc, mult, deps	0.75	survey state, project state, representative	0.75	discipline	1.00	1.00	1.00	0.25	notation, generics, bind
129	2.40	2.40	1.00	notification	1.00		0.50	assoc, mult, deps	0.75	school manager, survey state, project state	0.75	school	1.00	1.00	1.00	0.00	generics, bind
130	1.58	1.58	0.75	representative	0.25	(core)	0.50	assoc, mult	0.75	survey state, project state, representative	0.50	school, discipline, etc. (core)	1.00	1.00	1.00	0.25	notation, generics, bind
131	1.20	1.20	0.50	representative, persons, school manager	0.75	input	0.25	assoc, mult	0.50	(core)	0.00		1.00	1.00	1.00	0.00	generics, bind
132	2.70	2.70	1.00	notification	1.00		0.75	assoc, (core)	0.75	survey state	1.00		1.00	1.00	1.00	0.00	generics, bind
133	2.03	2.03	1.00	notification	1.00		0.50	assoc, mult, deps, (core)	0.50	survey state, initId	0.50	(core)	1.00	1.00	1.00	0.25	notation, generics, bind
134	2.40	2.40	1.00	notification	1.00		0.50	assoc, mult	0.75	(core strings), survey state	0.75	school, discipline	1.00	1.00	1.00	0.00	
135	1.65	1.65	0.75	representative	1.00		0.25	assoc, deps, (core)	0.50	person, survey status, (core)	0.25	(core)	1.00	1.00	1.00	0.00	generics, bind
136	2.15	2.15	1.00		1.00		0.50	assoc, mult	0.75	survey state, student	0.25	(core)	1.00	1.00	1.00	0.00	

137	0.47	0.47	0.25	(core)	0.25	(core)	0.25	assoc, deps, (core)	0.25	(core)	0.25	(core)	1.00	1.00	0.25	0.00	
138	2.40	2.40	1.00		0.75	survey	0.50	assoc, mult, deps	0.75	representative, person	1.00		1.00	1.00	1.00	0.00	generics, nomenc (vector)
139	2.40	2.40	1.00		1.00		0.50	assoc, mult	0.75	survey state	0.75	discipline, school, project	1.00	1.00	1.00	0.00	
140	NA	sem entrega uml															
141	2.15	2.15	1.00	notification	1.00		0.50	assoc, mult	0.50	survey state, reps, (core strings)	0.75	discipline, project	1.00	1.00	1.00	0.25	generics, bind, nomenc
142	2.15	2.15	1.00	notification, janitor	0.50	core exceptions	0.50	assoc, mult	0.75	survey state, project	0.75	discipline, project	1.00	1.00	1.00	0.00	
143	2.28	2.28	1.00		1.00		0.50	assoc, mult, deps, school manager	0.50	nextId, survey state, (core)	0.75	project	1.00	1.00	1.00	0.00	generics, bind
144	2.20	2.20	0.75	representative, student status	1.00	persons	0.50	assoc, mult, deps	0.50	project state	1.00		1.00	1.00	1.00	0.00	
145	1.83	1.83	0.75	representative, project manager	0.50	persons, representative	0.50	assoc, mult	0.75	survey state	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind
146	1.73	1.73	1.00		1.00		0.25	assoc, mult, deps, (core), representative	0.50	representative, (core strings)	0.25	(core)	1.00	1.00	1.00	0.25	generics, bind
147	1.98	1.98	1.00		1.00		0.25	assoc, mult, (core)	0.75	representative, survey state, project state	0.50	(core)	1.00	1.00	1.00	0.25	notation, generics, bind
148	2.58	2.58	1.00		1.00		0.75	assoc	0.75	representative, survey state	0.75	discipline, project, person	1.00	1.00	1.00	0.00	
149	2.83	2.83	1.00		1.00		0.75	mult	1.00		1.00		1.00	1.00	1.00	0.00	

150	2.40	2.40	1.00	serializer, notification	1.00		0.50	assoc, mult, representative	0.75	project state, survey state	0.75	school	1.00	1.00	1.00	0.00	nomenc
151	2.75	2.75	1.00	notification	1.00		1.00	back assoc	0.75	project, survey state, persons	0.75	school	1.00	1.00	1.00	0.00	
152	0.78	0.78	0.50	universidade, (core)	0.50	Input, (core)	0.25	assoc, mult, deps, (core)	0.50	(core)	0.25	(core)	1.00	0.00	1.00	0.25	notation, generics, bind
153	1.83	1.83	0.75	universidade	1.00		0.50	assoc, mult, reorepresentative	0.50	representative, survey state, (core)	0.50	discipline, school, (core)	1.00	1.00	1.00	0.25	generics, bind
154	2.30	2.30	0.75	representative	0.50	representative	1.00		0.75	survey state, project state, representative	0.75	school, discipline, project	1.00	1.00	1.00	0.00	
155	NA	sem entrega uml															
156	1.45	1.45	0.75	representative	0.50	representative	0.50	assoc, mult	0.25	survey state, (core)	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
157	1.45	1.45	0.75	representative, survey	0.50	representative	0.50	assoc, mult	0.25	(core strings), id	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
158	2.28	2.28	1.00	notification	1.00		0.50	assoc, mult, deps	0.75	survey state, project state, representative	0.50	discipline, school, (core)	1.00	1.00	1.00	0.00	generics, bind
159	0.60	0.60	0.75	school manager	0.75	persons	0.50	assoc, mult	0.25	(core strings)	0.00		0.00	0.00	1.00	0.25	nomenc, notation
160	1.70	1.70	0.75	type	0.50	persons, type	0.50	assoc, mult	0.50	representative, person, type	0.75	school	1.00	1.00	1.00	0.25	generics, bind
161	NA	sem entrega uml															
162	1.83	1.83	0.75	representative	0.50	representative	0.50	assoc, mult	0.75	representative	0.50	(core)	1.00	1.00	1.00	0.00	generics, bind

163	NA	sem entrega uml															
164	1.95	1.95	0.75	representative	1.00		0.50	assoc, representative	0.75	survey state	0.50	school, etc. (core)	1.00	1.00	1.00	0.25	notation, generics, bind
165	NA	sem entrega uml															
166	NA	sem entrega uml															
167	1.70	1.70	0.75	representative, notification	0.50	representative	0.50	assoc, mult	0.75	survey state, project, teacher	0.50	school, discipline, etc. (core)	1.00	1.00	1.00	0.25	generics, bind
168	1.38	1.38	0.50	administrative, school, school manager	0.50	persons	0.50	assoc, mult, deps	0.50	(core strings), survey state	0.50	(core)	1.00	1.00	1.00	0.25	notation, generics, bind
169	1.50	1.50	0.50	representative, notification, school manager	0.50	representative	0.50	assoc, mult	0.75	survey state	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
170	2.20	2.20	0.75	school manager, survey	1.00		0.50	assoc, mult, rerepresentative	0.75	survey state	0.75	course, discipline	1.00	1.00	1.00	0.00	
171	0.77	0.77	0.50	representative, school manager	0.50	representative	0.50	assoc, mult, deps	0.25	(core), survey state	0.50	(core)	0.25	0.00	1.00	0.00	
172	1.70	1.70	0.75	representative, notification	0.50	(app), representative	0.50	assoc, mult, deps	0.50	project state, survey state, idCounter	0.75	school, course	1.00	1.00	1.00	0.25	notation, generics, bind
173	2.13	2.13	0.75	representative, administrative	0.50	representative	0.75	mult	0.75	survey state	0.75	discipline	1.00	1.00	1.00	0.00	generics, bind
174	0.25	0.25	0.25	(core)	0.25	(core)	0.25	(core)	0.25	(core)	0.25	(core)	1.00	1.00	0.00	0.25	notation, generics, bind

175	1.45	1.45	0.75	representative	0.50	representative	0.50	assoc, mult	0.50	person type, (app), (core)	0.25	(core)	1.00	1.00	1.00	0.25	notation, generics, bind
176	1.83	1.83	0.75	representative, school manager, notification	0.50	representative	0.50	assoc, mult	0.75	survey state, project state	0.75	project	1.00	1.00	1.00	0.25	notation, generics, bind
177	1.01	1.01	1.00	excepções	1.00		0.50	assoc, mult, deps	0.75	representative, survey state	0.50	(core)	0.00	0.00	1.00	0.25	nomenc
178	0.38	0.38	0.25	(core)	0.25	(core)	0.25	assoc, mult, (core)	0.25	(core)	0.25	(core)	1.00	1.00	0.00	0.00	generics, bind
179	NA	sem entrega uml															
180	NA	sem entrega uml															
181	0.64	0.64	0.75	representative	0.00		0.25	(core)	0.25	(core)	0.25	(core)	1.00	0.00	1.00	0.25	notation, generics, bind
182	1.46	1.46	0.75	representative, survey results	1.00		0.50	assoc, mult	0.75	representative	0.25	(core)	0.25	1.00	1.00	0.25	generics, bind
183	1.34	1.34	0.75	representative	0.50	(uilib)	0.25	assoc, mult, deps	0.50	(core)	0.75	school, project	0.25	1.00	1.00	0.00	notation, nomenc
184	1.95	1.95	0.75	administrative	1.00		0.50	assoc, mult, deps	0.75	student	0.50	(core)	1.00	1.00	1.00	0.25	generics, bind
185	NA	sem entrega uml															