Lizard Output – Engenharia de Software II

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================================================
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NLOC	CCN	token	PARAM	length	location
3	1	12	1	3	constructor@7-9@./main/composers/user.composer.ts
3	1	20	0	3	compose@11-13@./main/composers/user.composer.ts
3	1	12	1	3	constructor@7-9@./main/composers/patient.composer.ts
3	1	20	0	3	compose@11-13@./main/composers/patient.composer.ts
3	1	12	1	3	constructor@7-9@./main/composers/receptionist.composer.ts
6	1	20	0	6	compose@11-16@./main/composers/receptionist.composer.ts
3	1	12	1	3	constructor@7-9@./main/composers/appointment.composer.ts
3	1	20	0	3	compose@11-13@./main/composers/appointment.composer.ts
3	1	12	1	3	constructor@7-9@./main/composers/doctor.composer.ts
3	1	20	0	3	compose@11-13@./main/composers/doctor.composer.ts
3	1	12	1	3	constructor@7-9@./main/composers/exam.composer.ts
3	1	20	0	3	compose@11-13@./main/composers/exam.composer.ts
1	1	13	0	1	(anonymous)@25-25@./main/models/__tests__/user.test.ts
8	1	65	0	9	(anonymous)@18-26@./main/models/__tests__/user.test.ts
7	1	66	0	8	(anonymous)@28-35@./main/models/__tests__/user.test.ts
1	1	13	0	1	(anonymous)@44-44@./main/models/__tests__/user.test.ts
8	1	65	0	9	(anonymous)@37-45@./main/models/__tests__/user.test.ts
7	1	66	0	8	(anonymous)@47-54@./main/models/__tests__/user.test.ts
7	1	66	0	8	(anonymous)@56-63@./main/models/__tests__/user.test.ts
7	1	64	0	8	(anonymous)@65-72@./main/models/__tests__/user.test.ts
8	1	62	0	57	(anonymous)@17-73@./main/models/__tests__/user.test.ts
1	1	1	0	1	(anon)@29-29@./main/models/__tests__/receptionist.test.ts
10	1	77	0	11	(anon)@21-31@./main/models/__tests__/receptionist.test.ts
11	1	66	0	12	(anon)@33-44@./main/models/__tests__/receptionist.test.ts
1	1	1	0	1	(anon)@54-54@./main/models/__tests__/receptionist.test.ts
10	1	77	0	11	(anon)@46-56@./main/models/__tests__/receptionist.test.ts
11	1	66	0	12	(anon)@58-69@./main/models/__tests__/receptionist.test.ts

7	1	66	0	8	(anon)@71-78@./main/models/__tests__/receptionist.test.ts
7	1	64	0	8	(anon)@80-87@./main/models/__tests__/receptionist.test.ts
8	1	62	0	69	(anon)@20-88@./main/models/__tests__/receptionist.test.ts
1	1	13	0	1	(anonymous)@32-32@./main/models/__tests__/exam.test.ts
8	1	65	0	9	(anonymous)@25-33@./main/models/__tests__/exam.test.ts
7	1	66	0	8	(anonymous)@35-42@./main/models/__tests__/exam.test.ts
1	1	13	0	1	(anonymous)@51-51@./main/models/__tests__/exam.test.ts
8	1	65	0	9	(anonymous)@44-52@./main/models/__tests__/exam.test.ts
7	1	66	0	8	(anonymous)@54-61@./main/models/__tests__/exam.test.ts
7	1	66	0	8	(anonymous)@63-70@./main/models/__tests__/exam.test.ts
7	1	64	0	8	(anonymous)@72-79@./main/models/__tests__/exam.test.ts
8	1	62	0	57	(anonymous)@24-80@./main/models/__tests__/exam.test.ts
1	1	13	0	1	(anonymous)@28-28@./main/models/__tests__/patient.test.ts
8	1	65	0	9	(anonymous)@21-29@./main/models/__tests__/patient.test.ts
7	1	66	0	8	(anonymous)@31-38@./main/models/__tests__/patient.test.ts
1	1	13	0	1	(anonymous)@47-47@./main/models/__tests__/patient.test.ts
8	1	65	0	9	(anonymous)@40-48@./main/models/__tests__/patient.test.ts
7	1	66	0	8	(anonymous)@50-57@./main/models/__tests__/patient.test.ts
7	1	66	0	8	(anonymous)@59-66@./main/models/__tests__/patient.test.ts
7	1	64	0	8	(anonymous)@68-75@./main/models/__tests__/patient.test.ts
8	1	62	0	57	(anonymous)@20-76@./main/models/__tests__/patient.test.ts
1	1	13	0	1	(anonymous)@29-29@./main/models/__tests__/doctor.test.ts
8	1	65	0	9	(anonymous)@22-30@./main/models/__tests__/doctor.test.ts
7	1	66	0	8	(anonymous)@32-39@./main/models/__tests__/doctor.test.ts
1	1	13	0	1	(anonymous)@48-48@./main/models/__tests__/doctor.test.ts
8	1	65	0	9	(anonymous)@41-49@./main/models/__tests__/doctor.test.ts
7	1	66	0	8	(anonymous)@51-58@./main/models/__tests__/doctor.test.ts
7	1	66	0	8	(anonymous)@60-67@./main/models/__tests__/doctor.test.ts
7	1	64	0	8	(anonymous)@69-76@./main/models/__tests__/doctor.test.ts
8	1	62	0	57	(anonymous)@21-77@./main/models/__tests__/doctor.test.ts
1	1	1	0	1	(anon)@35-35@./main/models/__tests__/appointment.test.ts
10	1	77	0	11	(anon)@27-37@./main/models/__tests__/appointment.test.ts
9	1	66	0	10	(anon)@39-48@./main/models/__tests__/appointment.test.ts

1	1	13	0	1	(anon)@57-57@./main/models/__tests__/appointment.test.ts
8	1	65	0	9	(anonymous)@50-58@./main/models/__tests__/appointment.test.ts
9	1	66	0	10	(anon)@60-69@./main/models/__tests__/appointment.test.ts
7	1	66	0	8	(anon)@71-78@./main/models/__tests__/appointment.test.ts
7	1	64	0	8	(anon)@80-87@./main/models/__tests__/appointment.test.ts
8	1	62	0	63	(anon)@26-88@./main/models/__tests__/appointment.test.ts
3	1	13	0	3	retrieveExams@5-7@./main/models/exam.model.ts
3	1	23	1	3	retrieveExamById@9-11@./main/models/exam.model.ts
3	1	24	1	3	createExam@13-15@./main/models/exam.model.ts
3	1	23	1	3	deleteExam@17-19@./main/models/exam.model.ts
6	1	43	3	6	editExam@21-26@./main/models/exam.model.ts
3	1	25	1	3	retrievePatientExams@28-30@./main/models/exam.model.ts
3	1	13	0	3	retrievePatients@5-7@./main/models/patient.model.ts
3	1	23	1	3	retrievePatientById@9-11@./main/models/patient.model.ts
3	1	24	1	3	createPatient@13-15@./main/models/patient.model.ts
3	1	23	1	3	deletePatient@17-19@./main/models/patient.model.ts
3	1	42	3	3	editPatient@21-23@./main/models/patient.model.ts
3	1	13	0	3	retrieveUsers@5-7@./main/models/user.model.ts
3	1	23	1	3	retrieveUserById@9-11@./main/models/user.model.ts
3	1	24	1	3	createUser@13-15@./main/models/user.model.ts
3	1	23	1	3	deleteUser@17-19@./main/models/user.model.ts
3	1	42	3	3	editUser@21-23@./main/models/user.model.ts
3	1	13	0	3	retrieveReceptionists@5-7@./main/models/receptionist.model.ts
3	1	23	1	3	retrieveReceptionistById@9-11@./main/models/receptionist.model.ts
3	1	24	1	3	createReceptionist@13-15@./main/models/receptionist.model.ts
3	1	23	1	3	deleteReceptionist@17-19@./main/models/receptionist.model.ts
9	1	43	3	9	editReceptionist@21-29@./main/models/receptionist.model.ts
3	1	13	0	3	retrieveAppointments@5-7@./main/models/appointment.model.ts
3	1	23	1	3	retrieveAppointmentById@9-11@./main/models/appointment.model.ts
3	1	24	1	3	createAppointment@13-15@./main/models/appointment.model.ts

5	1	26	1	5	retrievePatientAppointments@17-21@./main/models/appointment.model.ts
3	1	23	1	3	deleteAppointment@23-25@./main/models/appointment.model.ts
9	1	43	3	9	editAppointment@27-35@./main/models/appointment.model.ts
3	1	13	0	3	retrieveDoctors@5-7@./main/models/doctor.model.ts
3	1	23	1	3	retrieveDoctorById@9-11@./main/models/doctor.model.ts
3	1	24	1	3	createDoctor@13-15@./main/models/doctor.model.ts
3	1	23	1	3	deleteDoctor@17-19@./main/models/doctor.model.ts
4	1	15	1	4	Number@23-26@./main/models/doctor.model.ts
4	1	35	2	4	getAppointments@7-10@./main/controllers/appointment.controller.ts
15	3	99	6	19	getAppointmentById@12-30@./main/controllers/appointment.controller.ts
12	5	127	5	18	getPatientAppointments@32-49@./main/controllers/appointment.controller.ts
1	1	1	0	1	(anon)@64-64@./main/controllers/appointment.controller.ts
20	5	147	5	26	createAppointment@51-76@./main/controllers/appointment.controller.ts
1	1	1	0	1	(anon)@97-97@./main/controllers/appointment.controller.ts
1	1	6	0	1	(anon)@101-101@./main/controllers/appointment.controller.ts
26	6	178	6	32	editAppointment@78-109@./main/controllers/appointment.controller.ts
10	3	91	5	14	deleteAppointment@111-124@./main/controllers/appointment.controller.ts
4	1	35	2	4	getUsers@6-9@./main/controllers/user.controller.ts
9	2	68	5	10	getUser@11-20@./main/controllers/user.controller.ts
7	1	47	5	7	createUser@22-28@./main/controllers/user.controller.ts
8	1	69	6	8	editUser@30-37@./main/controllers/user.controller.ts
8	1	57	5	8	deleteUser@39-46@./main/controllers/user.controller.ts
4	1	35	2	4	getPatients@6-9@./main/controllers/patient.controller.ts
15	3	99	6	19	getPatientById@11-29@./main/controllers/patient.controller.ts
1	1	8	0	1	(anon)@41-41@./main/controllers/patient.controller.ts
14	4	125	5	19	createPatient@31-49@./main/controllers/patient.controller.ts
16	4	110	6	20	editPatient@51-70@./main/controllers/patient.controller.ts
10	3	91	5	14	deletePatient@72-85@./main/controllers/patient.controller.ts
4	1	35	2	4	getExams@6-9@./main/controllers/exam.controller.ts

10	3	91	5	14	getExamById@11-24@./main/controllers/exam.controller.ts
10	3	85	5	14	createExam@26-39@./main/controllers/exam.controller.ts
11	4	112	6	15	editExam@41-55@./main/controllers/exam.controller.ts
10	3	91	5	14	deleteExam@57-70@./main/controllers/exam.controller.ts
10	3	91	5	14	getPatientExams@72-85@./main/controllers/exam.controller.ts
4	1	35	2	4	getDoctors@6-9@./main/controllers/doctor.controller.ts
10	3	99	6	14	getDoctorById@11-24@./main/controllers/doctor.controller.ts
1	1	8	0	1	(anon)@36-36@./main/controllers/doctor.controller.ts
14	4	124	5	19	createDoctor@26-44@./main/controllers/doctor.controller.ts
11	4	110	6	15	editDoctor@46-60@./main/controllers/doctor.controller.ts
10	3	91	5	14	deleteDoctor@62-75@./main/controllers/doctor.controller.ts
4	1	35	2	4	getReceptionists@6-9@./main/controllers/receptionist.controller.ts
15	3	99	6	19	getReceptionistById@11-29@./main/controllers/receptionist.controller.ts
1	1	8	0	1	(anonymous)@41-41@./main/controllers/receptionist.controller.ts
14	4	125	5	19	createReceptionist@31-49@./main/controllers/receptionist.controller.ts
16	4	112	6	20	editReceptionist@51-70@./main/controllers/receptionist.controller.ts
10	3	91	5	14	deleteReceptionist@72-85@./main/controllers/receptionist.controller.ts
4	1	21	2	4	constructor@8-11@./main/routes/doctor.route.ts
7	1	74	0	7	buildRoutes@12-18@./main/routes/doctor.route.ts
4	1	21	2	4	constructor@8-11@./main/routes/receptionist.route.ts
7	1	74	0	7	buildRoutes@12-18@./main/routes/receptionist.route.ts
4	1	21	2	4	constructor@8-11@./main/routes/exam.route.ts
8	1	88	0	8	buildRoutes@12-19@./main/routes/exam.route.ts
4	1	21	2	4	constructor@8-11@./main/routes/patient.route.ts
7	1	74	0	7	buildRoutes@12-18@./main/routes/patient.route.ts
4	1	21	2	4	constructor@7-10@./main/routes/user.route.ts
7	1	74	0	7	buildRoutes@11-17@./main/routes/user.route.ts
4	1	21	2	4	constructor@8-11@./main/routes/appointment.route.ts
11	1	88	0	11	buildRoutes@12-22@./main/routes/appointment.route.ts
4	1	21	2	4	constructor@12-15@./main/app.ts

8	1	70	0	8		setupRoutes@17-24@./main/app.ts
1	1	1	0	1		(anon)@31-31@./main/app.ts
8	1	49	0	8		run@26-33@./main/app.ts
2	1	6	0	2		>@8-9@./helpers/singleton.ts
3	1	6	0	3		(anon)@11-13@./helpers/singleton.ts
4	1	19	0	4	main@7-10@./index.ts
1	1	7	0	1		(anon)@12-12@./index.ts

35 file analyzed.

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NLOC	Avg.NLOC	AvgCCN	Avg.token	function_cnt	file
3	0.0	0.0	0.0	0	./database/client.ts
12	3.0	1.0	16.0	2	./main/composers/user.composer.ts
12	3.0	1.0	16.0	2	./main/composers/patient.composer.ts
15	4.5	1.0	16.0	2	./main/composers/receptionist.composer.ts
12	3.0	1.0	16.0	2	./main/composers/appointment.composer.ts
12	3.0	1.0	16.0	2	./main/composers/doctor.composer.ts
12	3.0	1.0	16.0	2	./main/composers/exam.composer.ts
61	6.0	1.0	53.3	9	./main/models/__tests__/user.test.ts
75	7.3	1.0	53.3	9	./main/models/__tests__/receptionist.test.ts
67	6.0	1.0	53.3	9	./main/models/__tests__/exam.test.ts
63	6.0	1.0	53.3	9	./main/models/__tests__/patient.test.ts
64	6.0	1.0	53.3	9	./main/models/__tests__/doctor.test.ts
75	6.7	1.0	53.3	9	./main/models/__tests__/appointment.test.ts
25	3.5	1.0	25.2	6	./main/models/exam.model.ts
19	3.0	1.0	25.0	5	./main/models/patient.model.ts
19	3.0	1.0	25.0	5	./main/models/user.model.ts
25	4.2	1.0	25.2	5	./main/models/receptionist.model.ts
30	4.3	1.0	25.3	6	./main/models/appointment.model.ts
22	3.2	1.0	19.6	5	./main/models/doctor.model.ts
0	0.0	0.0	0.0	0	./main/controllers/__tests__/patient.spec.ts
93	10.0	2.9	76.1	9	./main/controllers/appointment.controller.ts
41	7.2	1.2	55.2	5	./main/controllers/user.controller.ts

64	10.0	2.7	78.0	6	./main/controllers/patient.controller.ts
60	9.2	2.8	84.2	6	./main/controllers/exam.controller.ts
54	8.3	2.7	77.8	6	./main/controllers/doctor.controller.ts
64	10.0	2.7	78.3	6	./main/controllers/receptionist.controller.ts
17	5.5	1.0	47.5	2	./main/routes/doctor.route.ts
17	5.5	1.0	47.5	2	./main/routes/receptionist.route.ts
18	6.0	1.0	54.5	2	./main/routes/exam.route.ts
17	5.5	1.0	47.5	2	./main/routes/patient.route.ts
17	5.5	1.0	47.5	2	./main/routes/user.route.ts
21	7.5	1.0	54.5	2	./main/routes/appointment.route.ts
32	5.2	1.0	35.2	4	./main/app.ts
11	2.5	1.0	6.0	2	./helpers/singleton.ts
9	2.5	1.0	13.0	2	./index.ts

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No thresholds exceeded (cyclomatic_complexity > 15 or length > 1000 or nloc > 1000000 or parameter_count > 100)

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Total nloc   Avg.NLOC AvgCCN Avg.token Fun Cnt Warning cnt   Fun Rt   nloc Rt

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| 1158 | 6.1 | 1.4 | 48.1 | 156 | 0 | 0.00 | 0.00 |