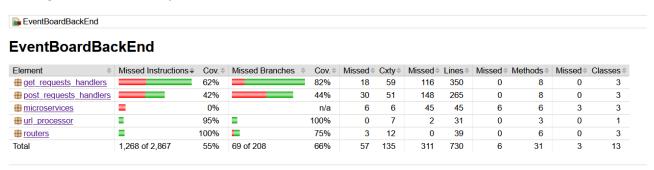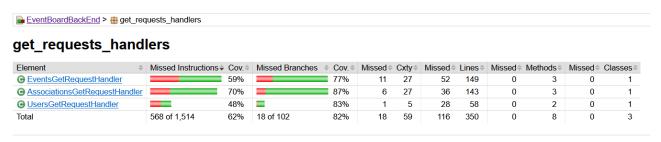# Coverage Report

This is the line and branch coverage for the backend of our project. We used JUnits 4 and JACOCO framework to extensively test the backend and generate test reports. These are the following line and branch coverages we achieved in various packages:
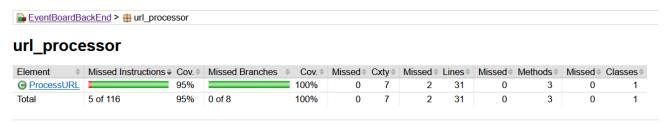
Coverage for the entire Project:

EventBoardBackEnd

EventBoardBackEnd

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
get_requests_handlers		62%		82%	18	59	116	350	0	8	0	3
post_requests_handlers		42%		44%	30	51	148	265	0	8	0	3
microservices		0%		n/a	6	6	45	45	6	6	3	3
url_processor		95%		100%	0	7	2	31	0	3	0	1
routers		100%		75%	3	12	0	39	0	6	0	3
Total	1,268 of 2,867	55%	69 of 208	66%	57	135	311	730	6	31	3	13

Coverage for get_request_handlers:

EventBoardBackEnd > get_requests_handlers

get_requests_handlers

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
EventsGetRequestHandler		59%		77%	11	27	52	149	0	3	0	1
AssociationsGetRequestHandler		70%		87%	6	27	36	143	0	3	0	1
UsersGetRequestHandler		48%		83%	1	5	28	58	0	2	0	1
Total	568 of 1,514	62%	18 of 102	82%	18	59	116	350	0	8	0	3

Coverage for url_processor:

EventBoardBackEnd > url_processor

url_processor

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
ProcessURL		95%		100%	0	7	2	31	0	3	0	1
Total	5 of 116	95%	0 of 8	100%	0	7	2	31	0	3	0	1

Coverage for routers:

EventBoardBackEnd > routers

routers

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
EventsRequestRouter		100%		75%	1	4	0	13	0	2	0	1
AssociationsRequestRouter		100%		75%	1	4	0	13	0	2	0	1
UsersRequestRouter		100%		75%	1	4	0	13	0	2	0	1
Total	0 of 134	100%	3 of 12	75%	3	12	0	39	0	6	0	3