

Taller 8

Automatización de Pruebas

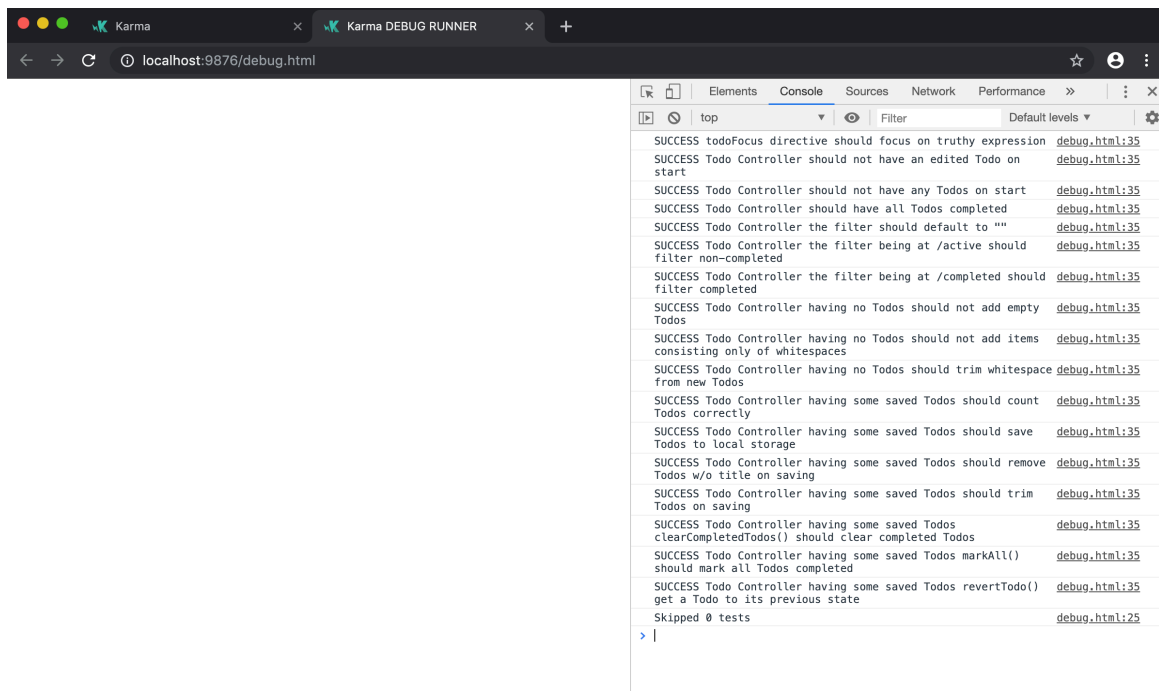
Semana 10

Reinaldo Portocarrero

Mutation Testing

Mutation con Striker

Se instalan dependencias y se ejecuta suite de pruebas.



Se siguen instrucciones del taller, para instalación e inicialización de stryker, pero al instalar dependencias, y otros elementos del taller, se generan una serie de errores.

[illegible]

```

/Users/juniorport/node-gyp/10.15.0/include/node/node.h:91:28:   expanded from macro 'NODE_DEPRECATED'
      __attribute__((deprecated(message))) declarator
      ^
4 warnings and 1 error generated.
4 warnings and 1 error generated.
make: *** [Release/obj.target/uv/libuv.a] Error 1make:
make: *** [Release/obj.target/uv/libuv.a] Error 1
gyp ERR! build error
gyp ERR! stack Error: make failed with exit code: 2
gyp ERR! stack     at ChildProcess. (/usr/local/lib/node_modules/npm/node_modules/node-gyp/lib/build.js:262:23)
gyp ERR! stack     at ChildProcess.emit (events.js:129:20)
gyp ERR! stack     at ChildProcess._handle.onexit (internal/child_process.js:240:12)
gyp ERR! stack     at Process.ChildProcess._handle.onexit (internal/child_process.js:240:12)
gyp ERR! System Darwin 18.0.0
gyp ERR! architecture x86_64
gyp ERR! command "command" "/usr/local/lib/node_modules/npm/node_modules/node-gyp/bin/node-gyp.js" "build" "--fallback-to-build" "--modules=/Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/uv/lib/binding/Release/node-v64-darwin-x64/fse.node" "--mode=nanefse" "--module_path=/Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/fsevents/lib/binding/Release/node-v64-darwin-x64/fse.node"
gyp ERR! cwd /Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/fsevents
gyp ERR! node -v v10.15.0
gyp ERR! node-gyp -v v3.8.0
gyp ERR! not ok
node-pre-gyp ERR! stack Error: Failed to execute '/usr/local/bin/node /usr/local/lib/node_modules/npm/node_modules/node-gyp/bin/node-gyp.js build --fallback-to-build --modules=/Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/fsevents/lib/binding/Release/node-v64-darwin-x64/fse.node --mode=nanefse --module_path=/Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/fsevents/lib/binding/Release/node-v64-darwin-x64/fse.node'
node-pre-gyp ERR! stack     at ChildProcess. (/Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/node-pre-gyp/lib/util/compile.js:83:29)
node-pre-gyp ERR! stack     at ChildProcess.emit (events.js:129:20)
node-pre-gyp ERR! stack     at maybeClose (internal/child_process.js:962:16)
node-pre-gyp ERR! stack     at Process.ChildProcess._handle.onexit (internal/child_process.js:251:5)
node-pre-gyp ERR! System Darwin 18.0.0
node-pre-gyp ERR! command "usr/local/bin/node" "/Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/node-pre-gyp" "install" "--fallback-to-build"
node-pre-gyp ERR! cwd /Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/fsevents
node-pre-gyp ERR! node -v v10.15.0
node-pre-gyp ERR! node-pre-gyp -v v0.6.36
node-pre-gyp ERR! failed to locate '/usr/local/bin/node /usr/local/lib/node_modules/npm/node_modules/node-gyp/bin/node-gyp.js build --fallback-to-build --modules=/Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/fsevents/lib/binding/Release/node-v64-darwin-x64/fse.node --mode=nanefse --module_path=/Users/juniorport/projects/uniaides/pruebas_automaticas/talleres/mutation/angular-todomvc/node_modules/fsevents/lib/binding/Release/node-v64-darwin-x64/fse.node'
node-pre-gyp ERR! message: fsevents@1.2.1 requires a peer of nan@^2.0.0 but none is installed. You must install peer dependencies yourself.
node-pre-gyp WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.1: node install
node-pre-gyp WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.1: node install
node-pre-gyp WARN optional SKIPPING OPTIONAL DEPENDENCY: Exit status 1
+ stryker-javascript-mutator@14.1
added 8 packages from 15 contributors and audited 962 packages in 23.278s
found 25 vulnerabilities (14 Low, 6 moderate, 5 high)
run npm audit fix to fix them, or npm audit for details

```

Muchos de los cuales están asociados a dependencias deprecadas. Se realiza init y ejecución de stryker run, pero el job termina de forma irregular.

Ran 13.32 tests per mutant on average.

File	% score	# killed	# timeout	# survived	# no cov	# error
All files	68.83	73	0	47	0	0
services	55.17	16	0	13	0	0
DrinkService.js	38.46	5	0	8	0	0
OrderService.js	68.75	11	0	5	0	0
app.module.js	100.00	4	0	0	0	0
place-order-component/place-order-component.js	79.31	23	0	6	0	0
review-order-component/review-order-component.js	78.13	25	0	7	0	0
robobar-component/robobar-component.js	25.00	1	0	3	0	0
routes.js	0.00	0	0	13	0	0
success-component/success-component.js	44.44	4	0	5	0	0

21:10:10 (5156) INFO HtmlReporter Your report can be found at: file:///Users/juniorportom/projects/uniaandes/pruebas_automaticas/talleres/mutation/robobar-example/reports/mutation/html/index.html
21:10:10 (5156) INFO Stryker Done in 31 seconds.