Epic-NOS8/ NOS-17:

Link: https://lcsnosim.atlassian.net/browse/NOS-17

Software-only SIM card simulator

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Repo: https://github.com/tomasz-lisowski/swsim

The project links and depends on project SWICC.

Repo: https://github.com/tomasz-lisowski/swicc

1. Step1:

Make swisim using the commande make

```
Makefile:2: lib/make-pal/pal.mak: No such file or directory make: *** No rule to make target 'lib/make-pal/pal.mak'. Stop.

maddadrafik258@maddadrafik258:~/Desktop/fortest/NOS:17/swsim/lib$ ls make-pal swicc haddadrafik258@haddadrafik258:~/Desktop/fortest/NOS:17/swsim/lib$
```

Add in the lib folder the two libraries pal.mak and swicc.

https://github.com/tomasz-lisowski/swicc

https://github.com/tomasz-lisowski/make-pal

2. Step2:

Same for SWICC: We add cjson, make-pal and tau.

https://github.com/jasmcaus/tau

https://github.com/DaveGamble/cJSON

```
haddadrafik258@haddadrafik258:~/Desktop/fortest/NOS:17/swsim/lib/swicc/lib$ ls cjson make-pal tau haddadrafik258@haddadrafik258:~/Desktop/fortest/NOS:17/swsim/lib/swicc/lib$
```

- i. Clone the project make-pal in the folder lib
- ii. Clone tau and make the project (dir/lib/swicc)

git clone https://github.com/jasmcaus/tau tau

iii. Clone Cjson and make project (dir/lib/swicc)

cd dir/swsim/lib/swicc/lib

git clone https://github.com/DaveGamble/cJSON cjson

cd cjson && mkdir build && cd build

cmake ..

make

```
8%} Building C object tests/CMakeFiles/cjson_add.dir/cjson_add.c.o
84%] Linking C executable cjson_add
84%] Built target cjson_add
86%] Building C object tests/CMakeFiles/readme_examples.dir/readme_examples.c.o
88% Linking C executable readme examples
88% Built target readme_examples
91% Building C object tests/CMakeFiles/minify_tests.dir/minify_tests.c.o
93%] Linking C executable minify_tests
93%] Built target minify_tests
95%] Built darget minify_tests
95%] Building C object fuzzing/CMakeFiles/fuzz_main.dir/fuzz_main.c.o
97%] Building C object fuzzing/CMakeFiles/fuzz_main.dir/cjson_read_fuzzer.c.o
100%| Linking C executable fuzz_main
100%| Built target fuzz_main
100%| Built target fuzz_main
100%| Built target fuzz_main
```

3. Step3

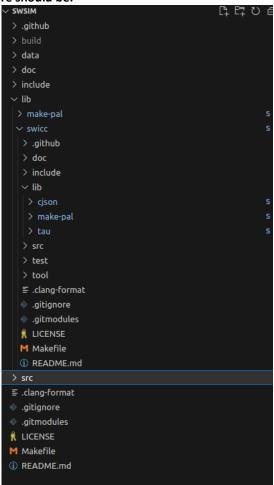
Make the project SWICC and test the build.

4. Step4

Make all the project and get the build folder.

```
haddadrafik258@haddadrafik258:-/Desktop/fortest/NOS:17/swsim$ make
gcc_src/Jappc.c = o build/swsim/Jappc.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build -
gcc_src/Japduh.c = o build/swsim/Japduh.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build -
c - NO
gcc_src/Japduh.c = o build/swsim/Japduh.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build -
c - NO
gcc_src/Jss.c = o build/swsim/Jss.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build - lsw -
NO
gcc_src/Jss.c = o build/swsim/Jss.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build - lsw -
NO
gcc_src/Jssin.c = o build/swsim/swsim.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build -
c - NO
gcc_src/Jssin.c = o build/swsim/swsim.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build -
c - NO
gcc_src/Jssin.c = o build/swsim/swsim.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build -
c - NO
gcc_src/Jssin.c = o build/swsim/swsim.o = W -Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/include - Llib/swicc/build -
c - NO
gcc_src/Jssin.c = o build/swsim/swsim.o = W - Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/build -
c - NO
gcc_src/Jssin.c = o build/swsim/swsim.o = W - Noll - Wextra - Werror - Who-unused-parameter - Wconversion - Wishadow = O2 - Iinclude - Ilib/swicc/build -
c - NO
gcc_src/Jssin.c = o build/swsim/sws
```

5. Folder Project structure should be:



6. Test Build SWSIM