

Assignment 4 Part 1 Instructions

Assignment 4 Part 1: Threading

Github Classroom Start Instructions

Your assignment 3 repository will contain source code used in previous assignments, which will ultimately be placed in your embedded images built using buildroot and yocto in later assignments. With this assignment, you will add some threading related test code implementation to your assignment 3 repository. To pull in this code you'll need to start by merging in the latest content from assignments-base, including new test content. From your assignment 3 repository:

```
git fetch assignments-base
```

- Fetch the latest content from the starter code remote added during previous assignments
- This step assumes you've already created the remote using **git remote add assignments-base git@github.com:cu-ecen-aeld/aesd-assignments.git** in assignment 2. If you started from a new repo you'll need to re-run the git remote-add step before attempting to fetch.

```
git merge assignments-base/assignment4
```

- Merge the assignment 4 starter code from the assignment4 branch of the aesd-assignments repository into your master branch

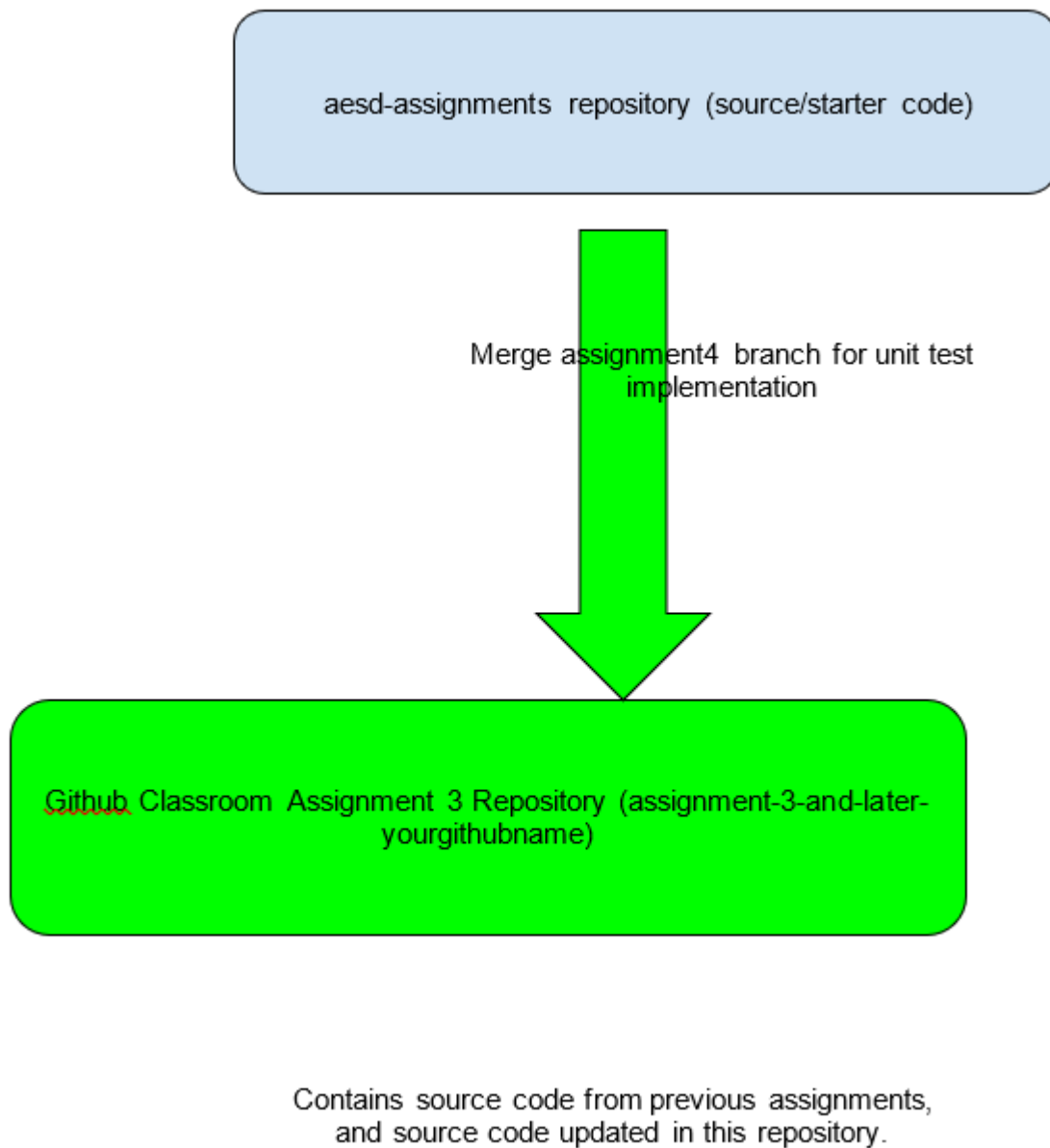
```
git submodule update --init --recursive
```

- Update automated testing source

```
git push origin master
```

- This pushes your master branch, including previous assignment source and content merged from <base> to your working repository for this assignment.

Repository Setup:



Implementation:

1. Make modifications in the [examples/threading/threading.c](#) file to implement the TODO there related to lecture content and `start_thread_obtaining_mutex()` as described in [examples/threading/threading.h](#). See provided test code in https://github.com/cu-ecen-aeld/assignment-autotest/blob/master/test/assignment4/Test_threading.c which will verify your implementation. Run [./unit-test.sh](#) to test your implementation using unity unit tests.

Tag your repository **assignment-4-part-1** using <https://github.com/cu-ecen-aeld/aesd-assignments/wiki/Tagging-a-Release>