Fork repo on github (Step 1)

git push (Step 5)

Pull request from user:mybranch to apache:develop (Step 6)

Set up local repo (Step 2)

Apache Mynewt mirror on github
github.com/apache/incubator-mynewt-core

User fork on github
github.com/<user>/incubator-mynewt-core

User laptop
devproject/repos/apache-mynewt-core

master
develop

ORIGIN

master
develop
mybranch

FORK

master
develop
mybranch
Commit change (Step 3)

git pull (Step 4)

············▶ Indicates direction of code flow

STEPS TO WORK WITH CODE IN DEVELOP

Step 1: Create a fork of the entire Mynewt repository on github.com.

Step 2: Setup repository on your laptop as outlined under "Step 2 Expanded" to use code in "develop" branch. You then create a new branch "mybranch" using "git checkout –b". You also add a remote handle named "fork" that points to the github fork you created in Step 1.

Step 3: Check you are in "mybranch". Write code. Stage and commit your changes (example shows adding all).

```
$ git checkout mybranch
$ git add .
$ git commit –m "your message about your code changes"
```

Step 4: <u>Always</u> pull the latest from develop on Apache mirror to "mybranch" before pushing any changes to remotes. If you see merge conflicts, resolve them first.

```
$ git pull --rebase origin develop
```

Step 5: Push your changes to "mybranch" branch on your github fork. If "mybranch" does not exist yet on your github fork, the command automatically creates it.

```
$ git push fork mybranch
```

Step 6: Generate a pull request from "mybranch" in your fork to "develop" in Mynewt.

Step 2 Expanded:

```
$ newt new devproject
$ cd devproject
$ vi project.yml
# change version to 0-dev for repository.apache-mynewt-core
$ newt install
$ cd repos/apache-mynewt-core
$ git status
On branch develop
Your branch is up-to-date with 'origin/develop'.
nothing to commit, working directory clean
$ git checkout –b mybranch
$ git remote -v
origin  https://github.com/apache/incubator-mynewt-core.git (fetch)
origin  https://github.com/apache/incubator-mynewt-core.git (push)
$ git remote add fork https://github.com/<user>/incubator-mynewt-core
$ git remote -v
origin  https://github.com/apache/incubator-mynewt-core.git (fetch)
origin  https://github.com/apache/incubator-mynewt-core.git (push)
fork    https://github.com/<user>/incubator-mynewt-core (fetch)
fork    https://github.com/<user>/incubator-mynewt-core (push)
```