

## Exercise 6

1.

Describe pros and cons of rebasing vs merging a feature branch with the master branch. Give some hypothetical scenarios in which one mechanism makes more sense than the other. Why keep the feature branch up to date with the master branch during development?

2.

Make a new repository on your github account "week6". Copy the contents of everything in directory Chapter08/sample1 and below into your week6 repository, and add them into your repository.

Configure a webhook such that when a pull request is created for this repository, a job in a pipeline is started. The pull request should **trigger** the job. This is the only circumstance that will trigger a job, do not allow any other github events (push, create repository,etc) to trigger the job as we wish to avoid sending too many webhooks.

The CodeCoverage test should only run on the master branch. It should not run on any other branch (e.g. not on the feature branch). All other tests should run in the feature branch. The pipeline should not run any steps on the "playground" branch.

The multibranch pipeline may give you problems with "rate limiting". I suggest using a regular pipeline to avoid running into that.

Submit

- Description of your experiment and any problems you ran into
- A copy of your pipeline.
- Proof that the webhook was sent in the jenkins logs.
- Console output of your job for 3 cases
  - the master branch
  - feature branch
  - playground branch