Team Collaboration and Version Control – Assesment

1. Create a Github account, if you haven’t already done so
2. Fork the [GitKatas](https://github.com/praqma-training/gitkatas) repository on Github - <https://github.com/praqma-training/gitkatas>
3. Now clone your fork of the GitKatas repository.
4. In your local repository of gitkata, change directory to the ‘rebase-branch’ directory.
5. Follow the instructions below and fill in the empty spaces.
6. Email this completed sheet to academy@sweskills.com

**Setup:**

In your terminal, run

$ ./setup.sh && cd exercise

**The task**

You again live in your own branch, this time we will be doing a bit of juggling with branches, to show how lightweight branches are in git.

1. Which branches exist?
2. Look at the log for the master branch
3. Check out the uppercase branch
4. How does the log compare to the log on the master branch - what are the differences?
5. Rebase your uppercase branch with the master (git rebase master)
6. What did just happen? Draw it! (Just use the short commit hashes and arrows to show dependencies, for example:   
   9dged5d <-- 25ce84d <-- c9de0a4 )
7. Now checkout the master branch
8. Merge uppercase into master
9. What does the log look like now? (Show a simplified view, using something like git log –oneline)

10. Push your changes back to your remote gitkatas repository. Paste the link to your remote clone of gitkatas here:

**Useful commands**

* git checkout <branch-name>
* git rebase <branch-name>
* git log --oneline --decorate --graph --all
* git merge <branch-name>