

## Assignment 1: warming up with PHP and git

Please follow the instructions closely. **Do not** attempt to do more or better than what is described in the assignment (for example do not use any database back end, or session management even if you know how to do it). You may loose points if you diverge from the descriptions below.

1. Create a new directory called `dbweb-homework` under your web page on `siegfried.webhosting.rug.nl`. If your username is 's9999999', the new directory should be accessible as `http://https://siegfried.webhosting.rug.nl/s9999999/dbweb-homework/`. Initialize a git repository (`git init`) in the new directory you have created.

2. Write a PHP program that

- asks the user a single multiple-choice question with four choices of which only one is correct,
- gets the response from the user,
- tells the user whether the answer was correct or not.

save your script as `index.php`.

3. Use `git add` and `git commit` to commit your first file to the repository.
4. Use `git log` to see if your commit message looks fine. The defaults `git` takes from the system for your name and email address may not be what you'd like to use in a team project. Use `git config` to set your email address and name to your taste. You can get immediate help for any `git` command from the command line, `-h` lists brief options, `--help` gives detailed descriptions. For example `git config --help` will give you detailed documentation for `git config`. The options you are interested to change or set for this exercise are `user.name` and `user.email`.
5. Change your program, add one more (wrong) choice. Commit your changes to the repository.
6. Create a new branch called `multi`, switch to it. In branch `multi`, modify your program, such that
  - questions, choices and the correct choice are stored in an array (or multiple arrays)
  - the main program iterates over the array(s), and asks multiple questions.
  - after each question, user is informed whether the answer was correct or not, and presses a button to display the next question if there is one.

Use `hidden` form fields to keep track of the question number.

Test the new version, when ready, commit your results.

7. Create a text file `git-commands.txt` and list all `git` commands you used so far. If you used other commands that are not strictly necessary for the homework, such as `git status`, `git log`, list them as well. Add and commit the newly created file to your repository.
8. Switch back to the `master` branch. Apply the commit that added the file `git-commands.txt` to the master branch as well. At the end of this step, `index.php` should differ between two branches, but `git-commands.txt` should be identical. `git cherry-pick` useful for this purpose. You can get the commit-id you need using `git log multi`.
9. Create an account on a publicly accessible `git` repository, I will assume `bitbucket.org` below but `github.com`, `gitorious.org` or any other `git` site is fine. Create a clone of your repository on `bitbucket.org`. You can refer to their documentation on how to do that. Make sure that the repository you have created on `bitbucket.org` for this homework is publicly accessible.
10. Submit the URL of the repository you have created on `bitbucket.org` through Nestor. Do not submit any additional files or description. Your homework will be evaluated based on the contents of the files in the repository.