

# University of Colombo School of Computing

## IS1104 - Application Laboratory



### GitHub Tutorial II

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Assumed that you have already installed git and have your own git account.

Add a new email and set it as primary.

- Click on profile picture and Goto settings.
- Goto Emails on under personal settings.
- Add new Email address and check your emails to verify your new email address.
- Select and save the new email under 'Primary email address' to make it primary.

Create a new repository on Github.

- Click on '+' sign on top right corner of website and select new repository.
- Give Repository name as 'Ucsc\_<Your\_Name>'
- Mark it as public
- **Don't** initialize with a README file.

Create the Project Directory in your Computer and Add it to Git.

- Create a new directory 'ucsc\_<your\_name>' on your Documents using the terminal.
- Create 'friends.txt' file and 'subjects.txt' file in side that directory.
- Edit the content of the 'friends.txt' file by inserting your name and add few subject names to the 'subject.txt' file.
- Execute the following commands(You can follow the instructions on your new git repository to do this).

Use 'git status' command to check the status after executing each command.

- git init
- git remote add <url of your repository>
- echo "# Test1" >> README.md
- git add README.md
- git commit -m "first commit"
- git push -u origin master

Contribute to a friend's repository

- Click on GitHub logo to goto home page.
- Search Your Friend's name on search bar.
- Select your fiends new repository.
- Click on 'Clone and Download' and copy the repository link.

- Open a Terminal in your working directory and Execute the following command to clone the repository.
  - `git clone <url of your repository>`  
(you can paste the copied url here)
- Do your changes in this directory(Add your name to friends.txt file).
- Check status and observe the edited files.
- Add edited files to git.
- Commit your changes with commit message.
- Try to push your changes to the remote repository and observe the issue.
- Ask your friend to fix the issue.
- Try to push the changes again.(Take a screenshot of the terminal after completing the step).
- Ask your friend to use `'git pull'` command to pull the repository and observe the changes you have made.

#### Further readings

- Git ignore
- Git Fork
- Git branches