

CSE702025: Software Engineering

# Lab 1: Git & Github

# Objective

- To introduce students to understand Git & Github.
- To instruct students to use Git & Github as a primary tools for versioning their projects' source code.
- To instruct students use markdown as a language to write some guideline documents.

# Activity 1 – Installing Git

- Following guideline on Gitbook (<https://git-scm.com/book/en/v2>), section 1.5 install Git on your personal computer:
  - After installing, upload a screenshot of the (Powershell/Git Bash) after running ‘git version’ command to canvas.

## Activity 2 – First-time Git setup

- Following guideline on Gitbook (<https://git-scm.com/book/en/v2>), section 1.6 to configure your Git's identity:
  - After configuring, upload a screenshot of the (Powershell/Git Bash) after running 'git config --list' command to canvas.

## Activity 3 – Create a Local Git Repository

- Following guideline on Gitbook (<https://git-scm.com/book/en/v2>), section 2.1 to create and initialize a git repository on your computer:
  - Create a folder ‘mssv\_git\_practices’ on your computer
  - Create a file name “README.md” with the first line “# Git & Github Practices”
  - Initialize a git repo for the folder.
  - upload a screenshot of the (Powershell/Git Bash) after running ‘git status’ command to canvas

## Activity 4 – Commit code

- Following guideline on Gitbook (<https://git-scm.com/book/en/v2>), section 2.1 to commit code:
  - Run following commands:
    - `git add README.md`
    - `git commit -m "Add README file"`
  - upload a screenshot of the (Powershell/Git Bash) after running ‘git status’ command to canvas

# Activity 5 – Create a Github account

- Access Github (<https://github.com/>), and sigup one account
  - Upload your git profile to canvas

## Activity 6 – Create a Remote repository on Github

- Access Github (<https://github.com/>), and create one Repository





# Thank you