CSE702025: Software Engineering

Lab 1: Git & Github

Objective

- To introduce students to understand Git & Github.

- To instruct studenst 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 – Firt-time Git setup

- Following guideline on Gitbook (https://git-scm.com/book/en/v2), section 1.6 to configure your Git's identity:
  - o After configuring, upload a screenshot of the (Powershell/Git Bash) after running 'git config –list' command to canvas.
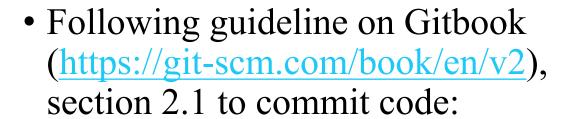
Activity 3 – Create a Local Git Repository

- Following guideline on Gitbook (https://git-scm.com/book/en/v2), section 2.1 to create and initialize a git repository on your computer:
  o Create a folder 'mssv_git_practices' on your computer
  o Create a file name "READE.md" with the first line "# Git & Github Practices"
  o Initialize a git repo for the folder.
  o 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