UNIVERSITY OF THE PHILIPPINES VISAYAS
COLLEGE OF ARTS AND SCIENCES
DIVISION OF PHYSICAL SCIENCES AND MATHEMATICS

CMSC 126
Web Programming
A.Y. 2023 – 2024

Assignment Guide

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ACADEMIC INTEGRITY

As a student of the University of the Philippines, I pledge to act ethically and uphold the value of honor and excellence. I understand that suspected misconduct on given assignments/examinations will be reported to the appropriate office and if established, will result in disciplinary action in accordance with University rules, policies and procedures. I may work with others only to the extent allowed by the Instructor.

Laboratory Exercise #1: Git & GitHub

As a software developer, you will be tasked to collaborate on a specific project. In this course, you are also divided into groups for a final project to be passed at the end of the semester. For your first individual lab exercise, you should be able to do all the tasks below.

For each task below, please **take a screenshot of your entire screen (including the time and date shown on screen)** and place them in a document and submit to the LMS.

1. **Creating A GitHub Account**

   The first thing to do is create a free GitHub account. Head over to the GitHub signup page (https://github.com/signup) and fill out the necessary information.

2. **Downloading and Installing Git**

   Installing Git in Linux is simple. Open a terminal window and issue the command:
   cd
   # sudo apt install git-all

   Take a screenshot of the successful installation.

3. **Create a Local Directory**

    # cd ~/

    # mkdir Lab1

    # cd Lab1

4. **Initialize the new repository**

    # git init

5. **Add a readme File**

    # touch readme.txt

6. **Stage the readme File**

    # git status
    # git add readme.txt

7. **Create your first commit**

    # git config --global user.email EMAIL
    # git config –global user.name "FULL NAME"
    # git commit -m "This is my first draft of the readme File."

8. **Update your readme File**

Change the contents of your read me file by adding a new paragraph.

    # git status

Stage and commit your updated file.

9. **Create a new Branch**

    # git checkout -b BRANCHNAME

10. **Push the new branch to the online repository to GitHub**

    # git remote add origin "URL"

    # git push -u origin master

Submission Instructions

- This activity should be done in the Laboratory Rooms during our class schedule.
- A good programming practice is to write comments on important line of codes for readability and documentation.
- You are required to **finish and defend your code personally on or before the next meeting** in our classroom. You are only allowed to defend during class hours. *Late submissions will have deductions*.

Good luck! 😊

- *Sir Jayvee*