Document: GitHub Account Creation and Uploading Code using Git

Subject: LP-II Lab – Web Application Development (WAD)

Assignment: Version Control using Git & GitHub

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Academic Year: 2024-25

# Aim:

To create a version control account using GitHub and push local web development code files to a GitHub repository using Git commands.

# Step-by-Step Guide

## 1. GitHub Account Creation

1. Open Browser and go to https://github.com  
2. Click on "Sign up" (top-right corner).  
3. Enter:  
 - Username  
 - Email address  
 - Password  
4. Click Create account and follow the instructions.  
5. Verify your email using the verification code sent by GitHub.  
6. Complete the setup and land on your GitHub Dashboard.

## 2. Create a New Repository

1. Click on the "+" icon (top-right) → select "New repository".  
2. Enter:  
 - Repository name (e.g., WAD-Assignment1)  
 - Description (optional)  
3. Select Public or Private.  
4. Optionally, check “Initialize this repository with a README.”  
5. Click Create Repository.

## 3. Install Git on Your System

1. Go to: https://git-scm.com/downloads  
2. Download for your OS (Windows/macOS/Linux).  
3. Install with default settings.  
4. Open Command Prompt or Git Bash and type:  
 git --version  
 This confirms Git is installed.

## 4. Configure Git

Run these commands in terminal:  
git config --global user.name "Your Name"  
git config --global user.email "youremail@example.com"

## 5. Upload Web Code Using Git Commands

Step 1: Initialize Git  
cd path/to/your/wad/project/folder  
git init  
  
Step 2: Add Files  
git add .  
  
Step 3: Commit Changes  
git commit -m "Initial commit for WAD assignment"  
  
Step 4: Link Remote Repository  
git remote add origin https://github.com/your-username/your-repo-name.git  
  
Step 5: Push Code to GitHub  
git push -u origin master  
(Note: If the default branch is main, replace master with main)

6. Verify Your Upload

- Open your GitHub repository in browser.

- You will see your uploaded code and README file.

# Conclusion:

Hence, we have successfully studied and implemented version control by creating a GitHub account, configuring Git, and uploading our WAD project using Git commands.