

GitHub Tutorial Draft Outline

I. Introduction

- A. Overview of GitHub
- B. Importance of Version Control
- C. Objectives of the Tutorial

II. Getting Started with GitHub

- A. Creating a GitHub Account
 - 1. Step-by-step instructions for signing up
 - 2. Setting up a profile
- B. Installing Git on Your Local Machine
 - 1. Downloading and installing Git
 - 2. Configuring Git with user information (name, email)

III. Understanding Git and GitHub Basics

- A. Key Concepts in Version Control
 - 1. Repositories, Commits, Branches, and Merges
- B. Differences Between Git and GitHub

IV. Creating Your First Repository

- A. Creating a New Repository on GitHub
 - 1. Choosing a repository name and description
 - 2. Setting repository visibility (public/private)
- B. Cloning the Repository Locally
 - 1. Using the command line to clone a repository

V. Basic Git Commands and Workflow

- A. Adding Files to Your Repository
 - 1. Using ``git add`` command to stage changes
- B. Committing Changes to Your Repository
 - 1. Using ``git commit`` command with messages
- C. Pushing Changes to GitHub Remote Repository
 - 1. Using ``git push`` command
- D. Pulling Changes from Remote Repository to Local Machine
 - 1. Using ``git pull`` command

VI. Collaborating with Others on GitHub

- A. Forking Repositories and Making Pull Requests
 - 1. How to fork a repository and create a pull request
- B. Reviewing Pull Requests from Others
 - 1. Best practices for reviewing code contributions

C. Managing Issues and Project Boards for Collaboration

VII. Advanced Features of GitHub (Optional)

- A. Branching Strategies for Teams
- B. Using Actions for Continuous Integration/Continuous Deployment (CI/CD)
- C. Exploring Github Pages for Hosting Projects

VIII. Conclusion

- A. Recap of Key Points
- B. Encouragement to Explore Further Resources

Expand this GitHub tutorial outline into workable steps