December 7, 2021

**GitHub: Getting Started**

**An Overview of Git and GitHub**

-Module Introduction

-What’s in this course for you?

-Git and GitHub

-Getting Your Machine Ready

-Demo: Setting up your environment

-Foundations of Git

-Demo: Getting Started with Git

-Summary

**Getting Started with GitHub**

-Module Introduction

-Understanding GitHub

-Demo: A Tour of GitHub

-Using SSH

-Demo: Working with SSH

-Searching GitHub

-Demo: Searching GitHub

-Summary

**Working with Repositories**

-Module Introduction

-Understanding Repositories

-Demo: Working with Repositories

-Connecting with Github Locally

-Demo: Cloning from and Pushing to Github

-Demo: Working with Multiple People on a Repository

-Adding Special Files

-Demo: Adding a Readme and a Codeowners File

-Administering Your Repository

-Demo: Working with the Repository Settings

-Bringing in More Users

-Demo: Repository Insights

-Summary

**Collaborating Using the GitHub Flow**

-Module Introduction

-Working with Branches

-Demo: Creating a Branch on GitHub

-Demo: Creating a Branch locally

-Branch Strategies

-Using the GitHub flow

-Demo: Working with Pull Requests

-Demo: Reviewing Pull Requests

-Merging with Conflicts

-Demo: Merging with Conflicts

-Demo: Creating a PR Template

-Demo: More Options with Pull Requests

-Demo: Setting the Default Branch

-Forking a Repository

-Demo: Forking a Repository

-Summary

**Tracking Issues and Creating Releases**

-Module Introduction

-Working with Issues

-Demo: Working with Issues

-Demo: Creating an Issue Template

-Creating a Milestone

-Demo: Working Towards a Milestone

-Adding Tags

-Demo: Adding Tags

-Publishing a Release

-Summary

**Automating Tasks with GitHub Actions**

-Module Introduction

-Understanding GitHub Actions

-Demo: Creating a First Workflow

-Automating Tasks

-Demo: Labeling Issues

-Demo: Setting up Continuous Integration

-Summary

**Creating a GitHub Wiki**

-Module Introduction

-Creating a Wiki

-Demo: Creating a Wiki on GitHub

-Summary:

**Working with Social Features**

-Module Introduction

-Demo: Creating a Gist

-Demo: Working with GitHub Projects

-Demo: Publishing Information using GitHub Pages

-Summary and Course Closing