

HTTP 5114 - Workshops in Web Development 1

Module 1 - Course Introduction

Course introduction

Midterm and Final Grade

SAT and UNSAT

Introduction to BrickMMO

Basic BrickMMO Demo

Register for Discord, GitHub, and Flow

Complete Discord, GitHub, and Flow profiles

Assignment: Academic Integrity

Assignment: Accounts (Discord, GitHub, and Flow Profiles)

Module 2 - GitHub

Creating repos, clone, add, commit, push/pull

Installing the GitHub CLI (<https://cli.github.com/>) and Desktop (<https://desktop.github.com/>)

Assignment: GitHub for Individuals

Module 3 - Markdown

Introduction to Markdown

Headings, links, images, lists, code, warnings

_readme (https://github.com/codeadamca/_readme)

GitHub profile README.md

(<https://docs.github.com/en/account-and-profile/setting-up-and-managing-your-github-profile/customizing-your-profile/managing-your-profile-readme>)

Using GitHub to edit your GitHub profile (no CLI yet)

_readme - <https://readme.codeadam.ca/>

Assignment: README.md

Assignment: Profile README.md

Module 4 - GitHub in Groups

Forking, pull requests, branching, merging

Add name, links, and profile to contributions repo ()

Assignment: GitHub for Groups (Contributions)

Module 5/6 - Set Hackathon - In Person

Visit CTI306

Demo BrickMMO

Set Hackathon

Assignment: Set Hackathon

Module 5/6 - Document Conversion - Remote

Convert past pitch and requirements documents to Markdown

Convert past system and set hackathons to Markdown

Assignment: Document Conversion

Module 7 - Deployment

GitHub Pages (<https://pages.github.com/>)

Deployment to a shared hosting environment (<https://www.infinityfree.com/>)

Demo deployment to GCP and AWS

Assignment: Deployment

Module 8 - Stop, Start, Continue

Module 9/10 - System Hackathon

Visit CTI306

System Hackathon

Assignment: System Hackathon

Module 9/10 - Past Doc Conversion - Remote

Continue documentation conversion (see week 5/6)

Module 11 - Debugging/Projects

Working in final project assignment and Stack Overflow

Assignment: Stack Overflow

Assignment: Project

Module 12 - Debugging/Projects

Working in final project assignment and Stack Overflow

Module 13 - Debugging/Projects

Working in final project assignment and Stack Overflow

Stop, start, continue

Course wrapup

Module 14 - Debugging/Projects

Working in final project assignment and Stack Overflow