

# 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, Stack Overflow, and Flow

Complete Discord, GitHub, Overflow, and Flow profiles

Assignment: Academic Integrity

Assignment: Accounts (Discord, GitHub, and Stack Overflow)

## 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](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: Markdown Portfolio

## Module 4 - GitHub in Groups

Forking, pull requests, branching, merging

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

Assignment: GitHub for Groups (Contributions)

Assignment: Profile README.md

## Module 5 - Coding from Scratch - Accordion

Code a JavaScript Accordion from Scratch

## Module 6 - 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 7 - LEGO Challenge

Build an input/output device using LEGO Spike

## Module 8 - Stop, Start, Continue

Stop, start, and continue survey

Monty Hall

## Module 9 - Coding from Scratch - Accordion

Code a JavaScript Slideshow from Scratch

## Module 10 - Monty Hall

Coding logic exercise

## Module 11 - HTML Portfolio

Working in final project assignment and Stack Overflow

**Assignment: HTML Portfolio**

## Module 12 - Coding from Scratch - Contact Form

Working in final project assignment and Stack Overflow

**Assignment: Coding from Scratch**

## Module 13 - APIs and the Open Weather Map

Working in final project assignment and Stack Overflow

Stop, start, continue

Course wrapup

Assignment: [Markdown Website](#)

## Module 14 - Review

Answer questions

Help with assignments

Course content review

Assignment: [Stack Overflow](#)