

C02: Example Assignment Workflow w/ VSCode Dev Containers

ETAMU Class Assignments

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Summer 2025

Prerequisite Environment Setup

Make sure that you have completed the instructions for Setting up git / Docker / VSCode DevContainers

- ① You need to have a GitHub account and have git installed and working
 - You need to have generated an ssh key and can successfully authenticate with it to your GitHub account.
- ② You need to have Docker Desktop installed and Engine running for your containers.
- ③ You need to have VSCode installed
 - And have installed the Microsoft Remote Development / Dev Containers extensions

In This Video

- Accepting GitHub Classroom assignments
- Clone assignment repository and open in a DevContainer
- Using VSCode
- Standard Assignment workflows
- Example Practice Task 1 and Task 2
- Compiling and Testing tasks
- Making and pushing a commit for assignment grading
- The GitHub repository Feedback Pull request

- Automatic code style checker / formatter
- Using the VSCode Debugger for Assignments
- Building the simulation and running system-tests

Bibliography