

AP CSP Classroom Workflow

Welcome to AP Computer Science Principles!

This document explains how to use GitHub for all labs and projects.

Workflow Overview

All labs are distributed through GitHub at:

 https://github.com/columbushs-labs/CSP_frontend_lab_series

Each lab follows the **Fork → Clone → Commit → Push → Pull Request** flow.

◆ Step 1: Fork

- Go to the lab repository link above.
- Click **"Fork"** (top-right corner) to make your own copy under your GitHub account.

◆ Step 2: Clone

- Open **GitHub Desktop** or **VS Code**.
- Clone your forked repo to your computer.

◆ Step 3: Work Locally

- Open the **/src** folder and code directly in the provided files.
- Save often, and commit your progress with clear messages (e.g., **Completed Task 2**).

◆ Step 4: Push

- When you've committed your work, **go back to GitHub Desktop**.
- Click **Push origin** to upload your changes to your GitHub fork.

◆ Step 5: Pull Request (PR)

- On GitHub, click **"Compare & Pull Request."**
- Write a short summary of what you did and click **"Create Pull Request."**

This allows your work to be reviewed and tracked for completion.

Lab Expectations

Labs are designed for **practice and mastery**, not points.

You are responsible for completing each lab, participating in class, and asking questions.

Selected labs may be graded for completion or accuracy.

Even if a lab is not graded, each one builds the skills needed for quizzes and tests — skipping them will impact your understanding and performance.

Tips for Success

- Keep your repo organized and up to date.
 - Commit regularly and write clear messages.
 - Compare your work with the main branch if you get behind.
 - Use comments and console logs to document your thinking.
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Keeping Your Repo Updated

When new labs or updates are added to the main course repository, you'll need to **Fetch Upstream** to stay current.

How to Fetch Upstream and Pull New Labs:

1. Go to your forked repo on **GitHub.com**.
2. Click the **"Fetch Upstream"** button above the file list.
3. Click **"Fetch and merge."**
 - This updates your **GitHub fork** with the newest labs.
4. Open **GitHub Desktop** and click **"Pull origin."**
 - This downloads the new labs to your **local computer** so you can access them in VS Code.