



Project 3 Phase 2 — Secure website setup CI/CD and code repositories

Overview

At the core of modern software development is continuous integration (CI) and continuous delivery (CD), helping businesses to ship new, working features earlier and more often. This project will expand the secure website from phase 1 with a code repository. Then, by simply pushing your code to GitHub, your website will automatically be updated.

Project Objectives:

You will be able to:

- **Show the benefits of CI/CD and the use of code repositories.**
- **Deploy a secure website** on the cloud which can be updated through GitHub.

Instructions:

1. This is an individual project, you must turn in your own work.
2. Collaboration for ideas is acceptable, duplication of work is not.
3. Use the account information given with this project.
4. Document the process to update this website.
5. Demo the update process in class.

Deliverables:

All deliverables must be at least a minimum viable solution to the problem assigned. No attempt at grading will be made for non-substantial submissions.

Create a document that starts with your secure website. Document the steps necessary to create the repository and connect it through an AWS CodePipeline. Then document the way you would update the website.



Give an example of of pre and post changes, complete only by a commit and push to Github.
Screenshots are fine.

1. Provide the steps taken from beginning to end to create a dynamically updateable AWS website using GitHub.
2. Provide the link to your website.
3. Demonstration pushing a change.

Grading:

This phase is worth 100 points.

Documentation 10%

Use of Git 20%

Successful deployment of appropriate web page as described above 50%

Demonstration 20%