
Tutorial 2: Code Management and Deployment [Individual and Group Deliverable]

Learning Outcomes:

- Consider the advantages and disadvantages of a code management and deployment solution given a set of project guidelines.
- Familiarize yourself with setting up a project environment on the code management and deployment solution of your choice.
- Work in groups to judge the best possible solution given a set of project guidelines.

Instructions:

For this tutorial, you will be working individually and with your group to complete the following requirements:

- For the group portion of this tutorial, you will be creating the main repo for your group project, and the branches for each of the members of your group. You will be expected to include the URLs to these repos (i.e., main and branches) in your individual README file. For this purpose:

- You will be using GITLAB for your individual/group tutorials and project deliverables.
- You will be setting up your own individual environment for this activity (i.e., branch), which you will then use to push code to your group's main repository.
- Setup a main group repository for your group, this is the repository where all members of your group would be expected to contribute their code for your project.

Note: You do not have to push any code to this repo at the moment, you are simply setting up your group repo so that you have in place for when it is needed (i.e., proposal).

- Individually, create a branch to your group's main repository. Each member of your group is expected to have their own branch.

Note: This individual repo is what you will be using in this Tutorial. You are strongly encouraged to test that each member of your group can successfully push some code to the master repository. This step would be meant for testing purposes, rather than quality, as your group will become aware of any issues in your setup, allowing TAs to help earlier rather than later in the term.

- For the individual work portion of this tutorial, you will be expected to setup your (front-end) project environment on your individual tutorial repository (i.e., tutorial2).

Note: In this step, we are looking to make sure that you are able setup your own project environment.

- Deploy your tutorial environment on Heroku

- You will be deploying a generic tutorial (or project) environment, this way we can help make sure any issues you might encounter are resolved.
- Only the initial individual tutorial setup should be live on deployment link.
- Ensure your tutorial displays something, e.g., displaying an “It works” message or boilerplate code from frontend frameworks would suffice.

Submission Guidelines:

Your tutorial must be submitted through Brightspace ONLY.

To submit your work to Brightspace:

- Create a README.txt or README.md file
 - Rename your README file to match naming conventions specified in the Course Syllabus ([FName_LName_README.txt](#) or [FName_LName_README.md](#)).
 - Include the link to your individual repository and the deployed application, as well as your group’s repository within your README file.

Note: Your group repository does not need to have any code pushed to it. Feel free to edit the README template provided on Brightspace as you see fit. Failure to submit a README file and/or not include a link to your deployed application will result in a grade of 0.

- Ensure you submit your work by the due date specified on Brightspace.

Marking Rubric:

As this tutorial is a programming tutorial, the following grading criteria will be used for marking your tutorial:

- Creating a project group repository and corresponding branches for each group member [2 points]
 - Ensure your repos are set to private
- Creating a tutorial2 individual repository [2 points]
 - Ensure your repo is set to private
- Adding the Course Instructor and Teaching Assistants as maintainers [2 points]

	FCS GitLab
Prof. Gabriella Mosquera	@mosquera
Hari Arunachalam	@haria
Nikunj Goenka	@goenka
Shehzeen Huda	@shehzeen
Yash Jaiswal	@yna
Bala Sundeep Krishna Dasari	@bdasari
Srikrishna Sasidharan	@sasidharan
Gurleen Saluja	@gsaluja
Ana Khan	@anan
Mansi Singh	@mansis

- Deploying your tutorial2 app on Heroku [4 points]
 - Ensure a link to your Tutorial 2 application, individual Tutorial2 repo, as well as your group project's main repo and corresponding branches are included in your README file.