::page{title="Getting Started with Git and GitHub Project: Project Overview and Grading Criteria"}

::page{title="**Estimated time needed:** 3-4 hours"}

Now that you are equipped with the knowledge and skills to work with GitHub UI and Git CLI you will use these skills to create an open source project in Git, make changes to that project and make it available to the community. You will fork a GitHub repository, clone that repository to your local system, make changes to the local repository, commit the changes locally, push it back to your GitHub fork, and create a pull request to add your update to the original repository. This final assignment project is split into two parts.

Part 1 - GitHub UI

You recently got hired as a developer in a micro-finance startup with a mission to empower and provide opportunities to low income individuals. The core team currently uses Subversion (SVN) for managing code. They want to slowly move their code to Git. You are asked to host their sample code to calculate simple interest on GitHub in a new repository as the first step in this journey. You will not only host the script, but also follow best practices introduced in this course and create supporting documents for the open source project including code of conduct, and contributing guidelines. Additionally, the repository should be available to the community under the Apache License 2.0.

Part 2 - Git CLI

Congratulations on starting your company's journey with Git and GitHub by open sourcing the simple interest calculator bash script. Your changes have been accepted and merged into a new global repository. Other developers have contributed to this repository over time as well. Your team has found a mistake in one of the markdown files. You are asked to fork this repository and fix the mistake by using Git CLI in the provided lab environment and opening a pull request.

::page{title="Grading Criteria – 20 marks total"}

The final assignment grading criteria for the two parts are as follows:

Part 1 GitHub UI (14 points)

1. Task 1: submit the URL of the repository (2pts)
2. Task 2: submit the URL of the license file. (LICENSE.md, 2 pts)
3. Task 3: submit the URL of the main readme file. (REAMDE.md, 2 pts)
4. Task 4: submit the URL of the code of conduct file. (CONDUCT.md, 2 pts)
5. Task 5: submit the URL of the contribution guidelines file. (CONTRIBUTING.md, 2 pts)
6. Task 6: submit the URL of the `simple-interest.sh` file (2 pts)
7. Task 7: Submit your GitHub username as entered in the `Additional Authors` section of the `simple-interest.sh` file. (2 pts)

Part 2 Git CLI (6 points)

1. Task 6: submit the URL of the forked repository. (2 pts)
2. Task 7: submit the URL of the first pull request. (2 pts)
3. Task 8: submit the URL of the second pull request. (2 pts)

::page{title="Prework: Sign up for GitHub"}

Create a GitHub account, if you don't have one already.

Next Steps

Follow the instructions for each part of the lab. You will be prompted copy and paste URLs into a notepad and save the notepad on your own device. These URLs will be uploaded for peer review in the Final Submission section of the course. You can use any notepad app to keep note of your URLs.

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Changelog

Date	Version	Changed by	Change Description
2023-05-11	1.4	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-10	1.3	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-10	1.2	Eric Hao & Vladislav Boyko	Updated Page Frames
2023-05-10	1.1	Eric Hao & Vladislav Boyko	Updated Page Frames
2021-01-28	0.1	Upkar	Initial instructions for final project
2021-01-28	1.0	Upkar	Final version