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NAO ID: 3319

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In-Mexico Program Backend Developer Certification

GitHub and Digital Repository Management:

**Develop – Sprint 2**

**Table of contents**

[Executive Summary 3](#_Toc208480199)

[Setting Up the Repository 3](#_Toc208480200)

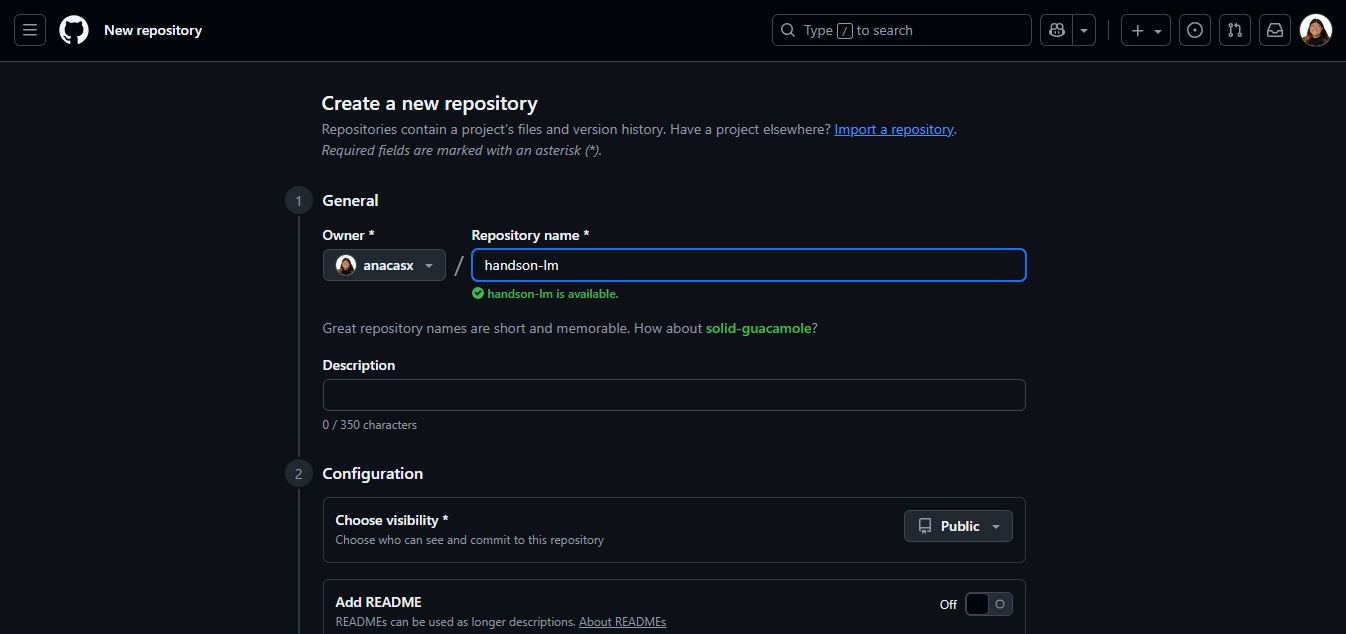
[Branching and Modifying Files 4](#_Toc208480201)

[Pull Requests and Collaboration 6](#_Toc208480202)

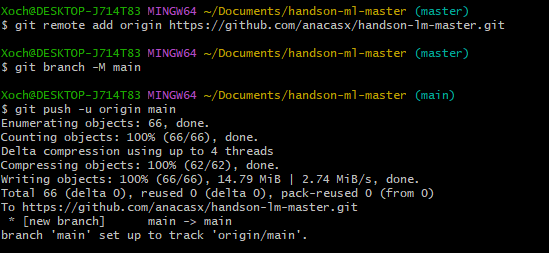
# Executive Summary

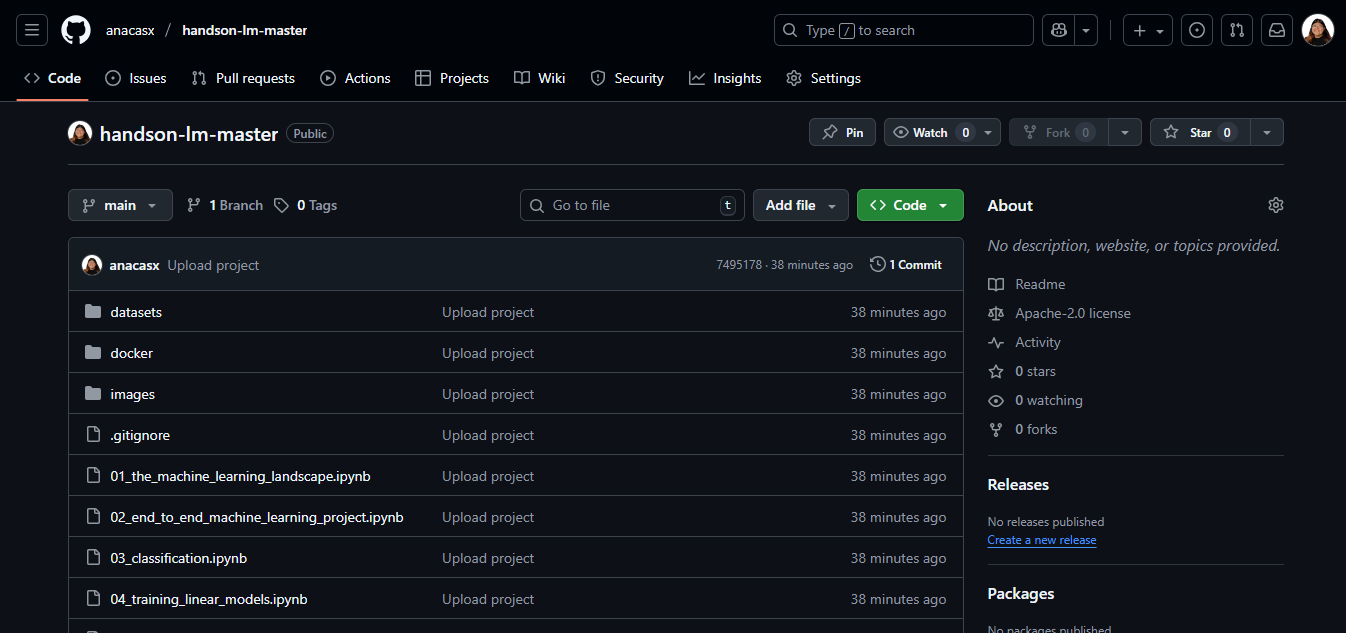
This report shows the how is to upload a local project to GitHub, create a branch for changes, modify project files, and manage a Pull Request for review and merging. Screenshots to illustrate the process are included.

# Setting Up the Repository

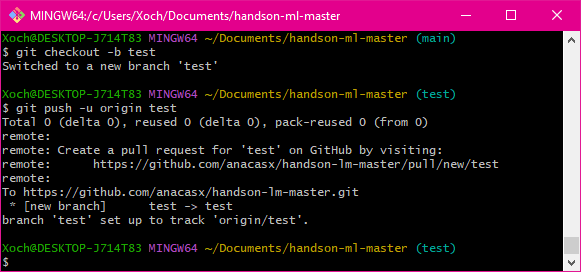
A new repository is created on GitHub to host the project we already have locally. The repository name must match the project name.

The local project is uploaded via the terminal.

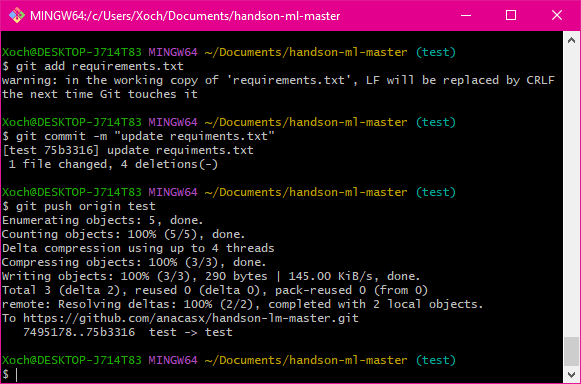


Once this is done, we can view the files on GitHub.

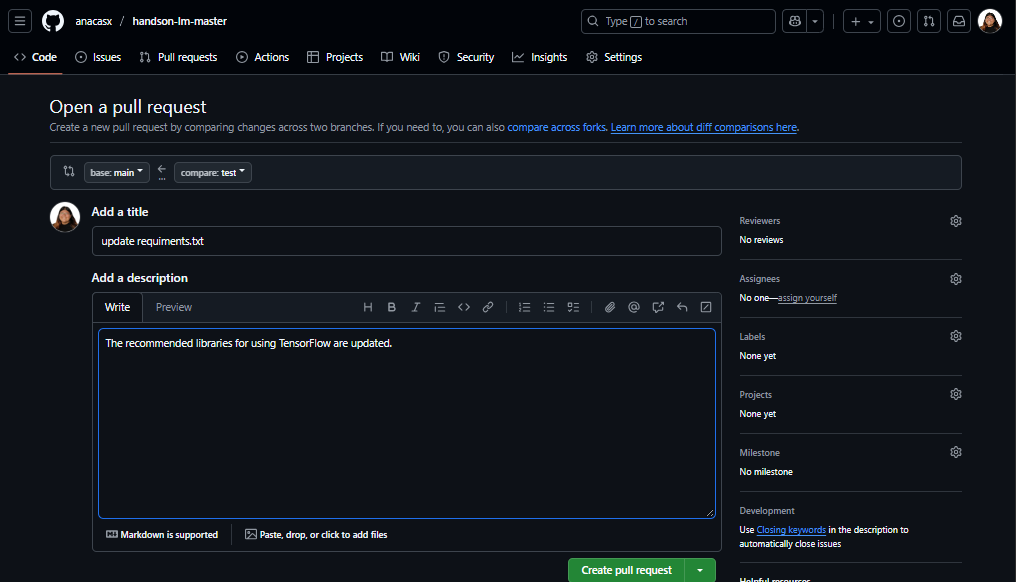
# Branching and Modifying Files

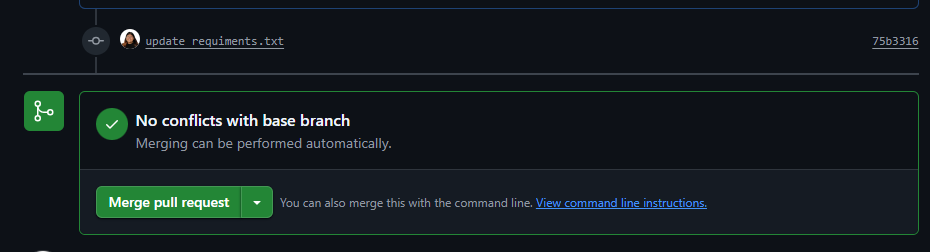
To create a new branch, use the command *git checkout -b branch\_name*.

As part of the activity, the requirements.txt file was modified, which we uploaded to GitHub in the new branch for changes.

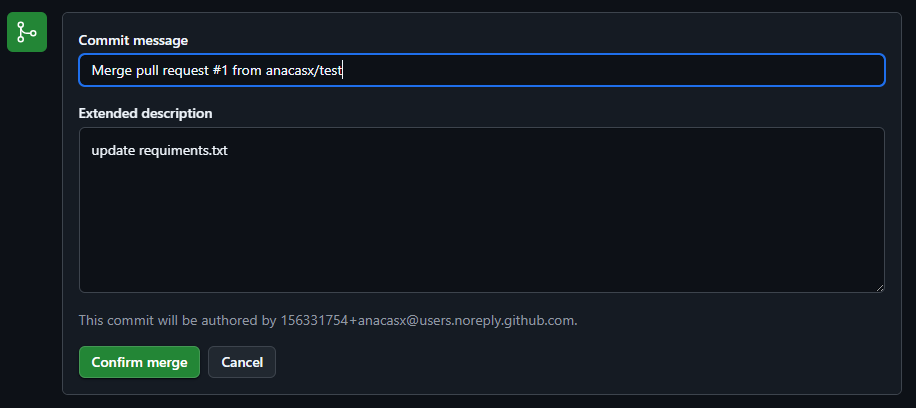


# Pull Requests and Collaboration

On GitHub, we can see that a Pull Request can be opened. For this, we need a title and a comment describing the change, and we can also indicate if it is relevant to the main branch.

This Pull Request is pending and visible so that one of the repository collaborators can review it.

When someone opens this request, they can see the description of the issue or correction and decide whether it warrants a merge.



Once confirmed, a notification is sent indicating that the Pull Request has been successfully merged and closed.

