DAW - Lab 5

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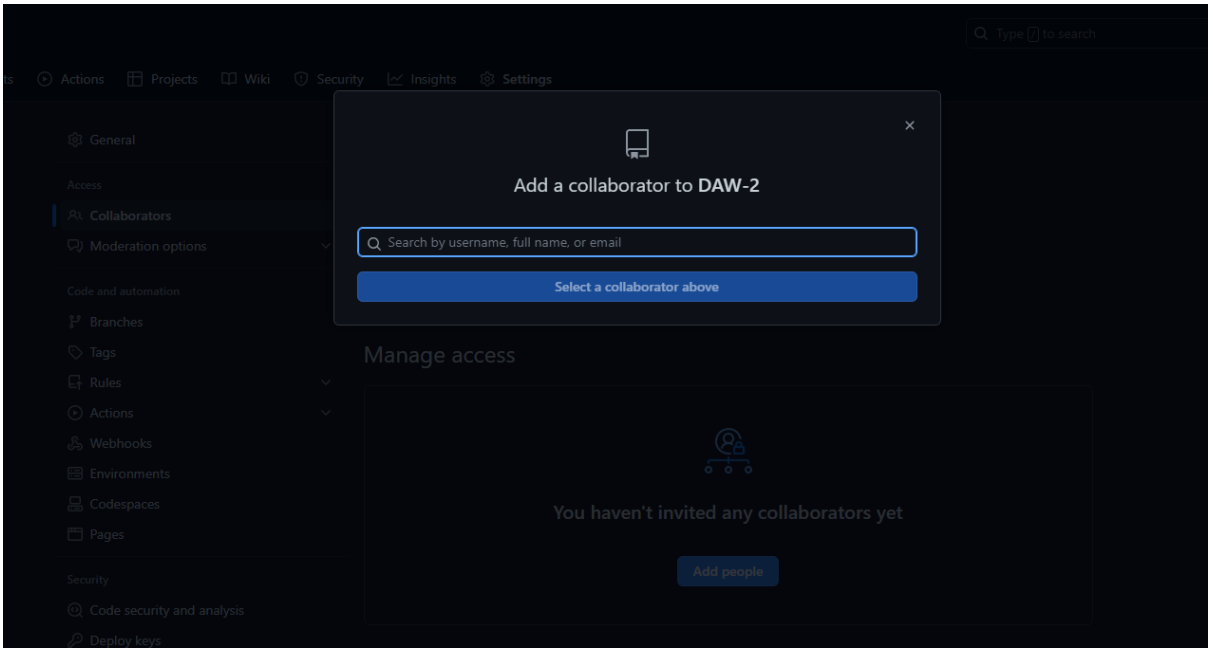
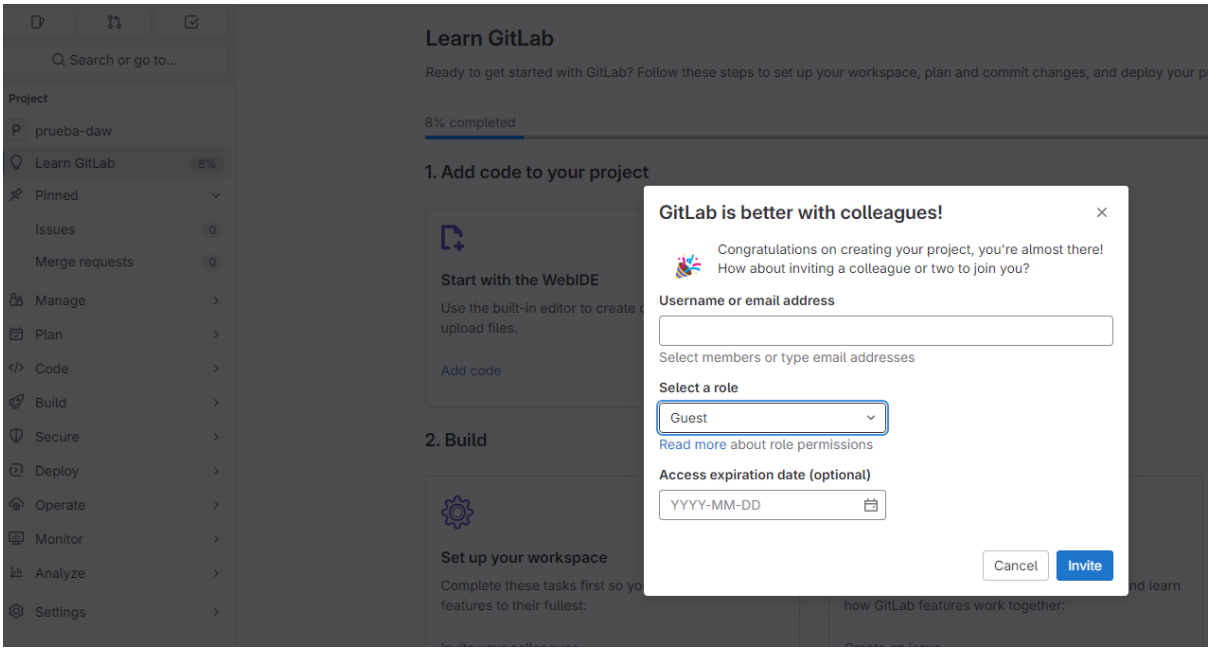
Exercise 2

I signed up in gitlab and created a public repository:
https://gitlab.com/rogersanchom/prueba-daw

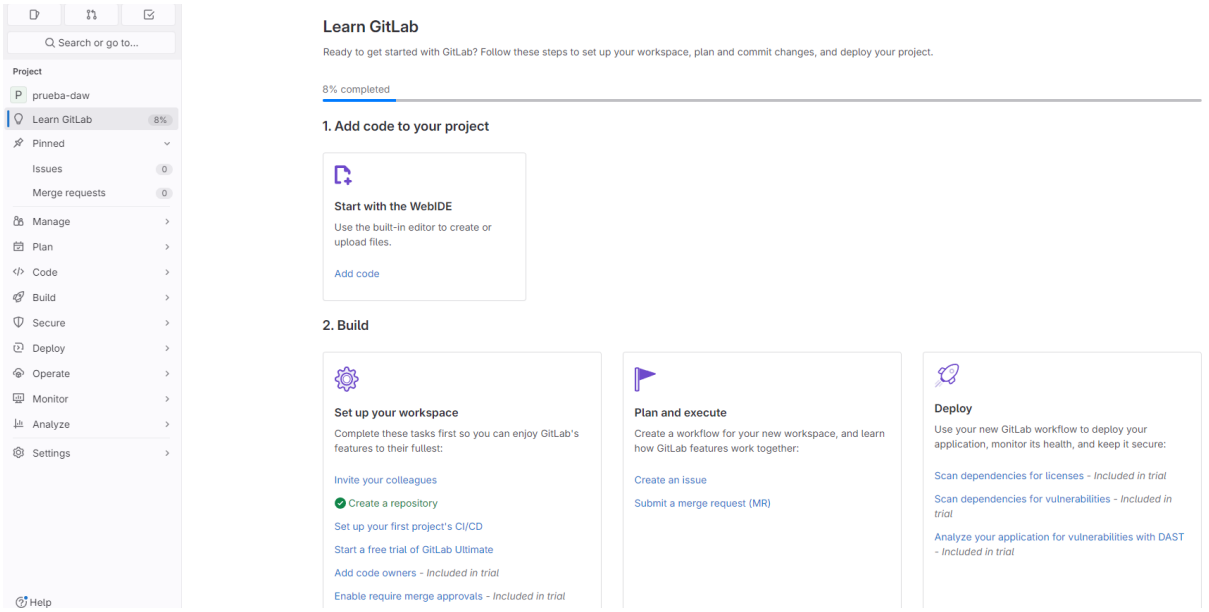
Differences:

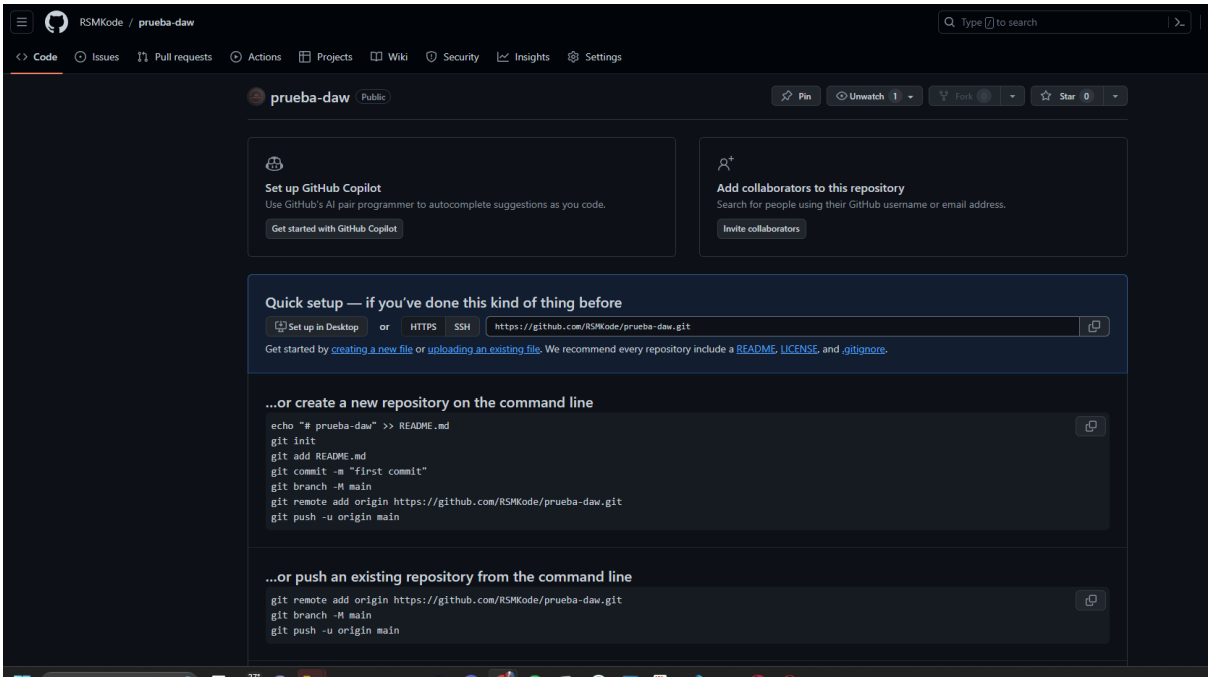
GitLab encourages you to invite collaborators from the creation start of a project and lets you select a role for them, and an access expiration date for them.

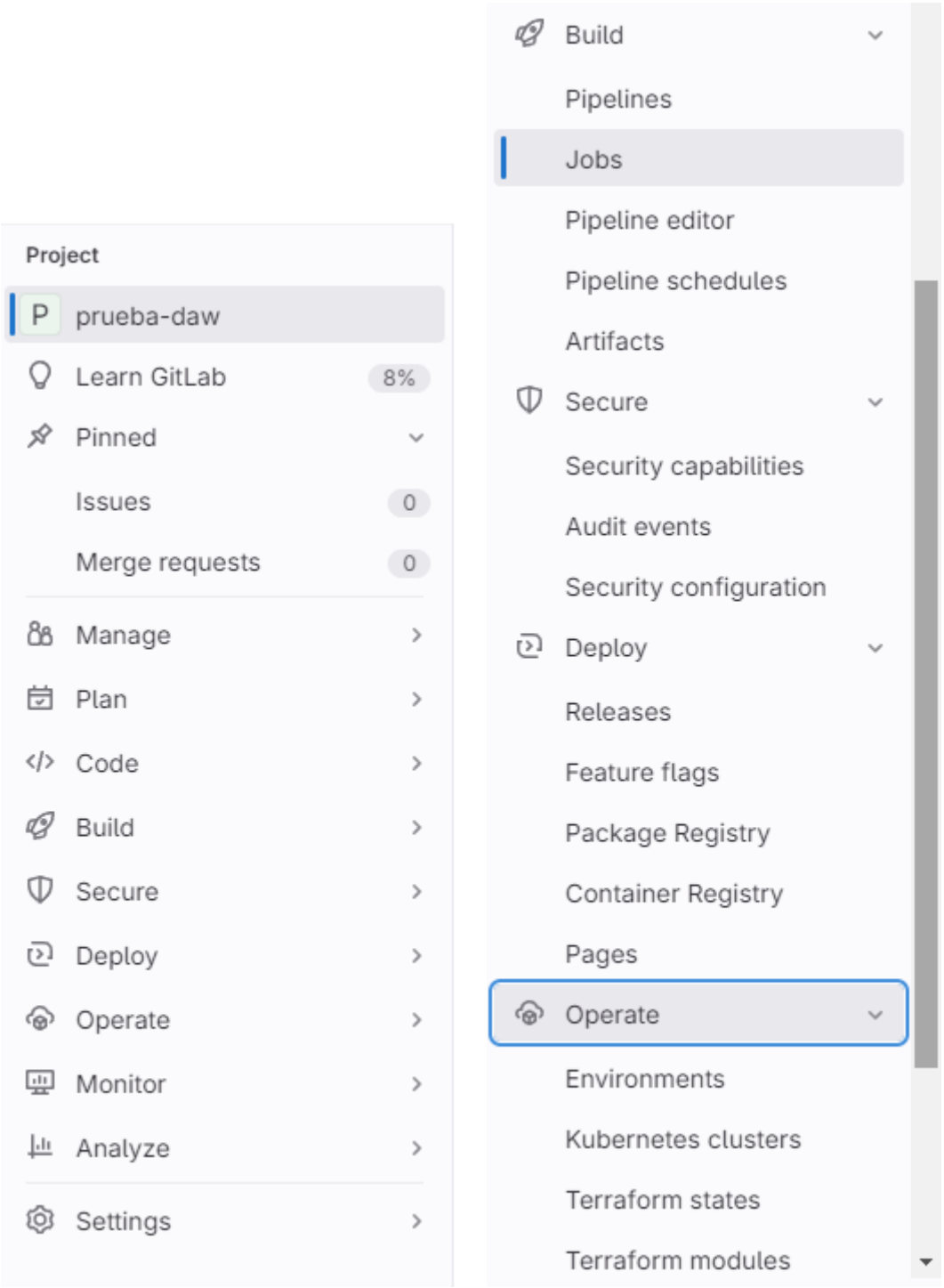




From the start, it shows GitLab is an all-in-one DevOps platform that includes not only Git repository hosting, but also project management, IDE integration (integrated development environment), CI/CD pipelines, issue tracking, and more.
On the other hand, GitHub has historically been focused more on code hosting and open-source collaboration but has recently added features such as GitHub actions, CI/CD workflows, an online IDE integration such as VSCode, and project management tools.






Project
prueba-daw
Learn GitLab
8%
Pinned
Issues
0
Merge requests
0
Manage
Plan
Code
Build
Secure
Deploy
Operate
Monitor
Analyze
Settings
Build
Pipelines
Jobs
Pipeline editor
Pipeline schedules
Artifacts
Secure
Security capabilities
Audit events
Security configuration
Deploy
Releases
Feature flags
Package Registry
Container Registry
Pages
Operate
Environments
Kubernetes clusters
Terraform states
Terraform modules

Get started with GitHub Actions

Build, test, and deploy your code. Make code reviews, branch management, and issue triaging work the way you want. Select a workflow to get started.

Skip this and set up a workflow yourself →

Search workflows

Suggested for this repository

Simple workflow
By GitHub

Start with a file with the minimum necessary structure.

Configure

Deployment

View all

Deploy Node.js to Azure Web App
By Microsoft Azure

Build a Node.js project and deploy it to an Azure Web App.

Configure · Deployment

Deploy to Amazon ECS
By Amazon Web Services

Deploy a container to an Amazon ECS service powered by AWS Fargate or Amazon EC2.

Configure · Deployment

Build and Deploy to GKE
By Google Cloud

Build a docker container, publish it to Google Container Registry, and deploy to GKE.

Configure · Deployment

Terraform
By HashiCorp

Set up Terraform CLI in your GitHub Actions workflow.

Configure · Deployment

Deploy to Alibaba Cloud ACK
By Alibaba Cloud

Deploy a container to Alibaba Cloud Container Service for Kubernetes (ACK).

Configure · Deployment

Deploy to IBM Cloud Kubernetes Service
By IBM

Build a docker container, publish it to IBM Cloud Container Registry, and deploy to IBM Cloud Kubernetes Service.

Configure · Deployment

Tencent Kubernetes Engine
By Tencent Cloud

This workflow will build a docker container, publish and deploy it to Tencent Kubernetes Engine (TKE).

Configure · Deployment

OpenShift
By Red Hat

Build a Docker-based project and deploy it to OpenShift.

Configure · Deployment

Security

View all

CodeQL Analysis
By GitHub

Security analysis from GitHub for C, C++, C#, Go, Java, JavaScript, TypeScript, Python, Ruby, Kotlin and Swift developers.

Configure · Code scanning

tfsec
By tfsec

A static analysis security scanner for your Terraform code. Discover problems with your infrastructure before hackers do.

Configure · Code scanning

njsscan
By NodeJSScan

nodejsscan is a static security code scanner that finds insecure code patterns in your Node.js applications.

Configure · Code scanning

SonarQube
By Sonar

Static analysis of code for vulnerability detection, covering 26+ languages. Start cleaning your code in minutes!

Configure · Code scanning

Continuous integration

View all

Gulp
By GitHub Actions

Build a NodeJS project with npm and gulp.

Configure · JavaScript

Publish Node.js Package to GitHub Packages
By GitHub Actions

Publishes a Node.js package to GitHub Packages.

Configure · JavaScript

Python application
By GitHub Actions

Create and test a Python application.

Configure · Python

Publish Python Package
By GitHub Actions

Publish a Python Package to PyPI on release.

Configure · Python

Automation

Stale
By GitHub Actions

Checks for stale issues and pull requests

Configure · Automation

Greetings
By GitHub Actions

Greets users who are first time contributors to the repo

Configure · Automation

Labeler
By GitHub Actions

Labels pull requests based on the files changed

Configure · Automation

Manual workflow
By GitHub Actions

Simple workflow that is manually triggered.

Configure · Automation

Exercise 3

Things i found out about GitHub by reading the articles:

- In an article from 3 months ago, it says free private repositories can only have a maximum of three collaborators, while github documentation says they are unlimited.
- Some articles say free plans only provide 500 MB of storage and 1GB for Git LFS (Large File System) users, but again, the official documentation says that you can increase this amount to 2GB thanks to Git LFS.
- Also, additional storage and bandwidth are available for purchase in a single data pack, which costs $5/month. It will provide you with 50 GB of bandwidth and storage for one month.