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GitLab Demo Pipeline

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# 1. Creating a GitLab Project

Open a browser then go to [GitLab](https://gitlab.com/) and sign in to your account. If you don’t have an account, create one.

If you have created a new account using some provider, ensure that you either create a password or a PAT.

Now select **Projects** from the left sidebar. Click on **New Project** button on the top-right side of the page. Select **Create blank project**. Enter a suitable **Project Name**. Change any other relevant setting. Then hit **Create Project** at the bottom of the page.

# 2. Creating the Django App

This repository contains the Django-app with its source files in sampleapp/. This directory also contains the test files. [aryan-madhavi/sample-cicd-pipeline](https://gitlab.com/aryan-madhavi/sample-cicd-pipeline)

# 3. Testing the app locally

$ sudo apt install python pip -y

$ pip install django

$ cd sampleapp

$ python manage.py test

# 4. Writing the Dockerfile

The Dockerfile: [aryan-madhavi/sample-cicd-pipeline/main/Dockerfile](https://gitlab.com/aryan-madhavi/sample-cicd-pipeline/-/blob/main/Dockerfile)

# 5. Writing the .gitlab-ci

The .gitlab-ci file: [aryan-madhavi/sample-cicd-pipeline/main/.gitlab-ci.yml](https://gitlab.com/aryan-madhavi/sample-cicd-pipeline/-/blob/main/.gitlab-ci.yml)

This file is necessary to automatically trigger a pipeline whenever code is pushed.