**GitHub Actions**

name: Flutter CI

on:

push:

branches: [ main ]

pull\_request:

branches: [ main ]

jobs:

build:

runs-on: ubuntu-latest

steps:

- name: Checkout code

uses: actions/checkout@v3

- name: Set up Flutter

uses: subosito/flutter-action@v2

with:

flutter-version: '3.10.0'

- name: Install dependencies

run: flutter pub get

- name: Run analyzer

run: flutter analyze

- name: Run tests

run: flutter test

This GitHub Actions workflow makes automatic integration for a Flutter application. It is triggered with a push or pull request to the main branch. A Flutter environment is setup using the subosito/flutter-action, then dependencies are installed with flutter pub get. It runs flutter analyse to check for coding issues and ensures code quality, followed by executing flutter test to validate functionality through automated tests. This setup helps maintain code integrity, catch errors early, and streamline the development process.