

# Continuous Integration Report(CIR)

**Framework: Django**

**CI Tool:GitHub**


## Introduction:

GitHub CI is a crucial aspect of modern software development that leverages automation to streamline the process of delivering code changes from development to production environments. It's an integral part of the GitHub platform, providing developers with a robust set of tools and workflows to automate testing, build, and deployment processes.

There are several tools that can be used like Jenkins, CircleCI, JitLab, GitHub Actions etc. As we used GitHub and It is very much a neighbour feature, That's why we selected GutHub actions as our CI tool.

## Working Procedure:

### 1.Merging files to all main branch

 newdeploy had recent pushes 58 minutes ago


Compare & pull request

main 12 Branches 0 Tags

Go to file

Add file

Code

 drzhavoc Update1 nayemAutoMerge.yml c2c0fd7 · 8 hours ago 33 Commits

.github/workflows	Update1 nayemAutoMerge.yml	8 hours ago
Admin	Update	yesterday
Cart	Update	yesterday
Dashboard	command line doc add	yesterday
HorekkRokom	Update	yesterday
Offer	Update	yesterday
OrderManagement	Update	yesterday
Refund	Update	yesterday
Reviews	Update	yesterday
Search	Update	yesterday
Wishlist	Update	yesterday
docs	added documentation	2 months ago
media/image	Update	yesterday

About

No description, website, or topics provided.

Readme

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Activity

0 stars

1 watching

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Create a new release


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No packages published

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Contributors 3

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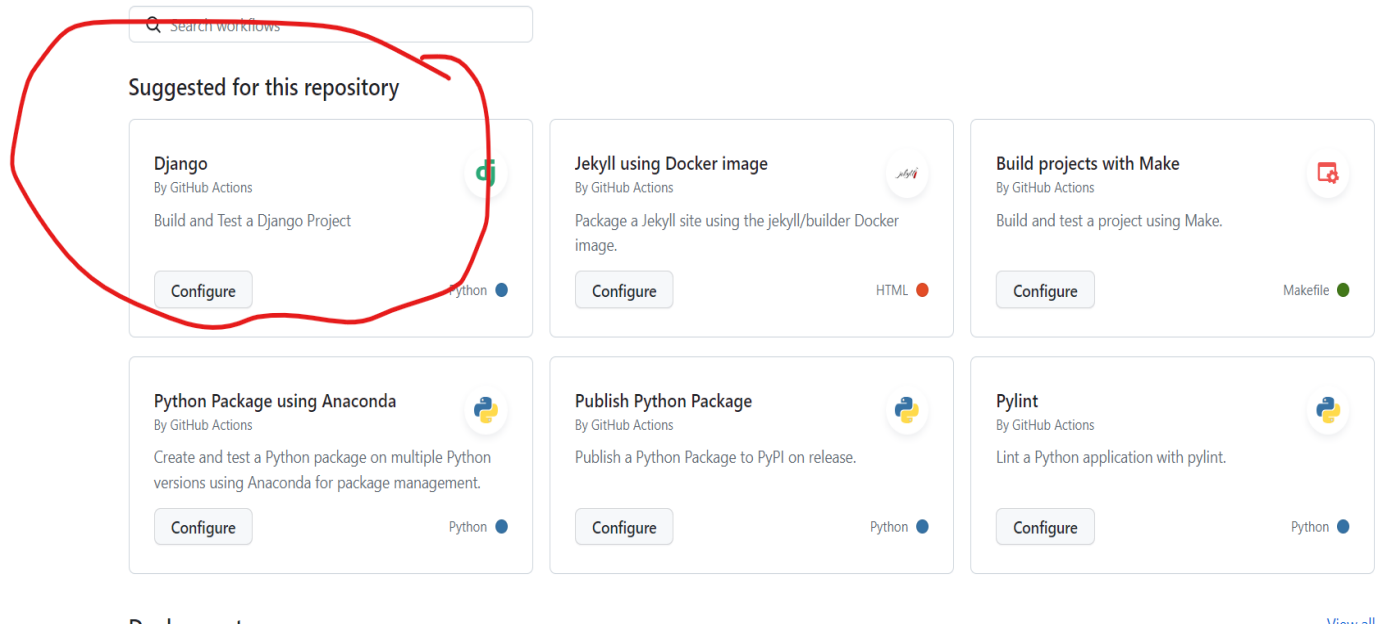
 Asmaul-Shahana Asmaul Shahana

## 2. Go to the “GitHub Actions” option and create a “new workflow”

The screenshot shows the GitHub interface for the repository `nosiba28 / SQA-Project`. The **Actions** tab is selected in the top navigation bar. In the left sidebar, the **New workflow** button is highlighted with a red circle. The main content area displays **All workflows** and shows 31 workflow runs. Two recent runs are visible:

- Update nayemAutoMerge.yml** (main branch): Merge nayem to main #13: Commit `1807d74` pushed by drzhavoc
- Merge branch 'nayem' of https://github.com/nosiba28/SQA-Project in...** (nayem branch): Commit `202470` pushed by drzhavoc

### 3. Choose a frame work according to our project for CI, “Python application-Django”



## 5. Update Django .yml file belongs to in “.github/workflows” in main repo on Github path for committing the CI test and build

### Workflow file for this run

.github/workflows/django.yml at 82625f0

```
1  name: Django CI
2
3  on:
4    push:
5      branches: [ "main" ]
6    pull_request:
7      branches: [ "main" ]
8
9  jobs:
10   build:
11
12     runs-on: ubuntu-latest
13     strategy:
14       max-parallel: 4
15       matrix:
16         python-version: [3.7, 3.8, 3.9]
17
18     steps:
19     - uses: actions/checkout@v3
20     - name: Set up Python ${ matrix.python-version }
21       uses: actions/setup-python@v3
22       with:
23         python-version: ${ matrix.python-version }
24     - name: Install Dependencies
25       run: |
26         python -m pip install --upgrade pip
27         pip install -r requirements.txt
28     - name: Run Tests
29       run: |
30         python manage.py test
```

## 6.Build States execution

### 6.1 Accept phases:

1. Set up Job
2. Run actions/checkout@v3
3. Set up Python 3.7
4. Install dependencies
5. Post Run actions/checkout@v3
6. Complete job

### 6.2 Error phase:

1. Run test

**build (3.7)**  
failed yesterday in 36s

Beta Give feedback

Search logs

Refresh

Settings

>	✔	Set up job	1s
>	✔	Run actions/checkout@v3	1s
>	✔	Set up Python 3.7	0s
>	✔	Install Dependencies	31s
▼	✖	Run Tests	0s
1 ▶ Run python manage.py test			
7 python: can't open file 'manage.py': [Errno 2] No such file or directory			
8 <b>Error:</b> Process completed with exit code 2.			
	✔	Post Set up Python 3.7	0s
>	✔	Post Run actions/checkout@v3	0s
>	✔	Complete job	0s

