

Jenkins Assignment

Team: Last minute Legends

Aagam

Vinay

Samarth

Raviraj

Made sure that Java version 17 is installed:

```
C:\Users\Raviraj Wadnerkar>java --version
java 17.0.9 2023-10-17 LTS
Java(TM) SE Runtime Environment (build 17.0.9+11-LTS-201)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.9+11-LTS-201, mixed mode, sharing)

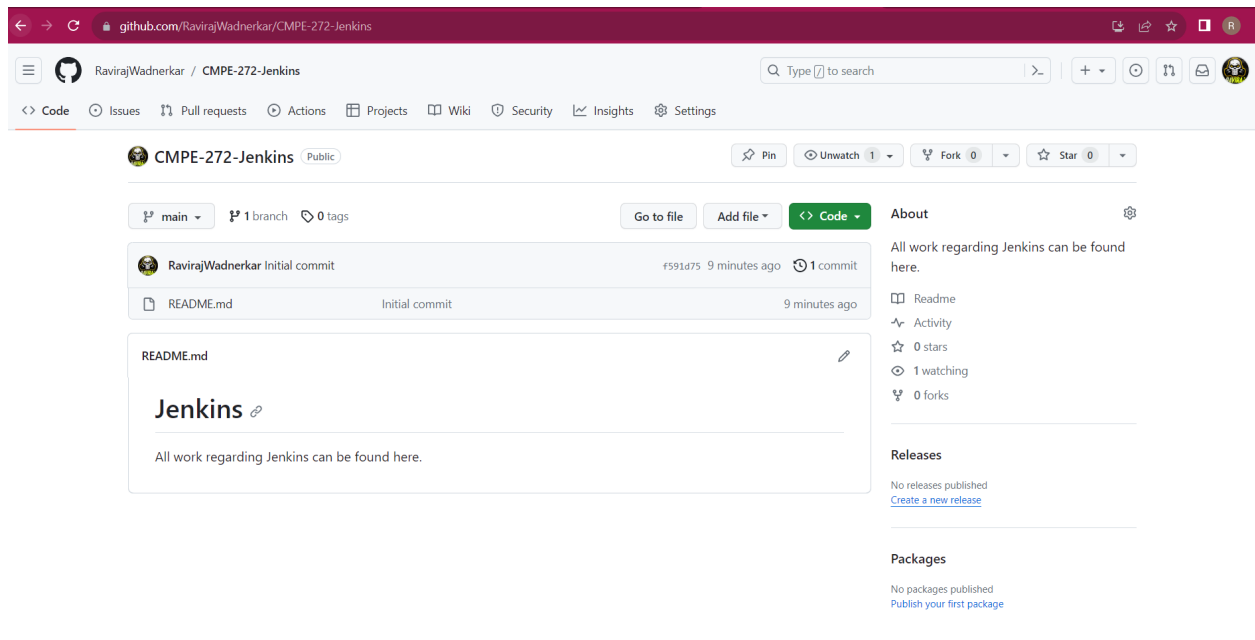
C:\Users\Raviraj Wadnerkar>
```

Installed Jenkins and ran on localhost port 8080

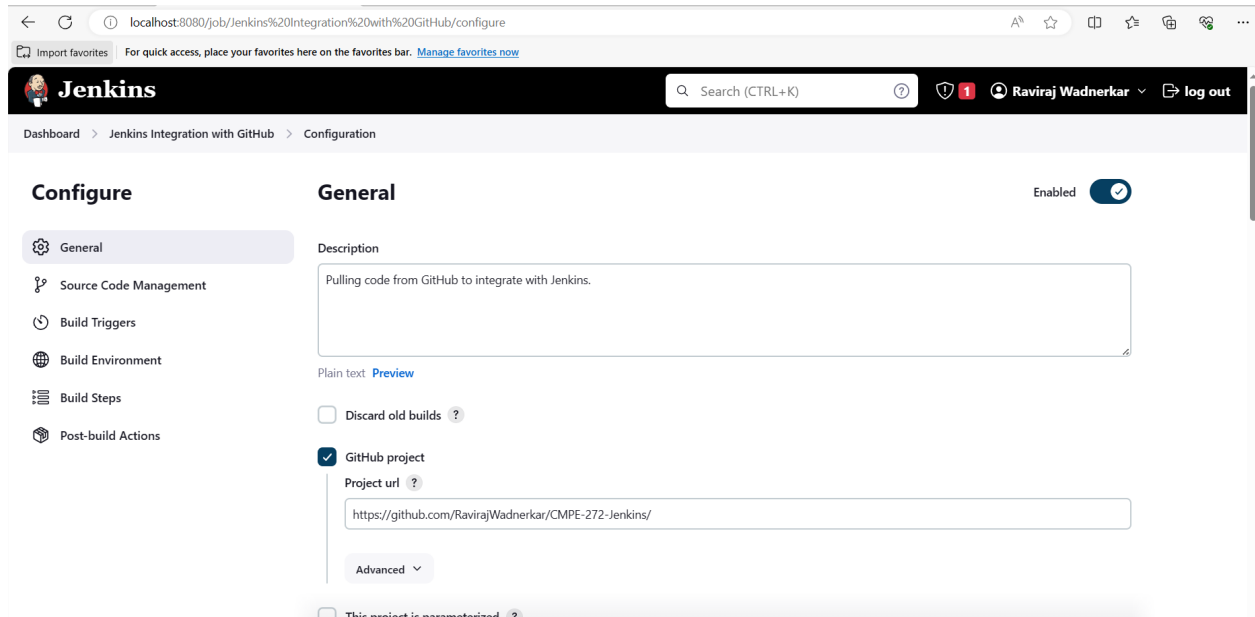
The screenshot shows the Jenkins web interface at localhost:8080. The top navigation bar includes a search bar and a user profile for 'Raviraj Wadnerkar'. The left sidebar contains links for 'New Item', 'People', 'Build History', 'Manage Jenkins', and 'My Views'. The main dashboard area features a table of builds for the job 'Jenkins Integration with GitHub'. The table has columns for 'S' (Success), 'W' (Warning), 'Name', 'Last Success', 'Last Failure', and 'Last Duration'. The 'Build Queue' section shows 'No builds in the queue.' and the 'Build Executor Status' section shows two executors in an 'Idle' state. The footer includes the REST API link and Jenkins version 2.414.3.

| S | W | Name | Last Success | Last Failure | Last Duration |
|-----|---|---------------------------------|--------------|--------------|---------------|
| ... | ☀ | Jenkins Integration with GitHub | N/A | N/A | N/A |

Initialized a github repository



Configuration on Jenkins Dashboard



localhost:8080/job/Jenkins%20Integration%20with%20GitHub/configure

Import favorites For quick access, place your favorites here on the favorites bar. [Manage favorites now](#)

Dashboard > Jenkins Integration with GitHub > Configuration

Configure

Advanced

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

Source Code Management

☐ None

☒ Git

Repositories

Repository URL [?](#)

[https://github.com/Raviq/Adventur/CIRE-272-jenkins.git](#)

Credentials [?](#)

[- NONE -](#)

[Add](#)

Advanced

Add Repository

Branches to build [?](#)

Branch Specifier (blank for 'any') [?](#)

[**](#)

Add Branch

Repository browser [?](#)

[githubweb](#)

URL [?](#)

[https://github.com/Raviq/Adventur/CIRE-272-jenkins](#)

Additional Behaviours

[Add](#)

Build Triggers

☐ Trigger builds remotely (e.g., from scripts) [?](#)

[Save](#) [Apply](#)

Build Triggers

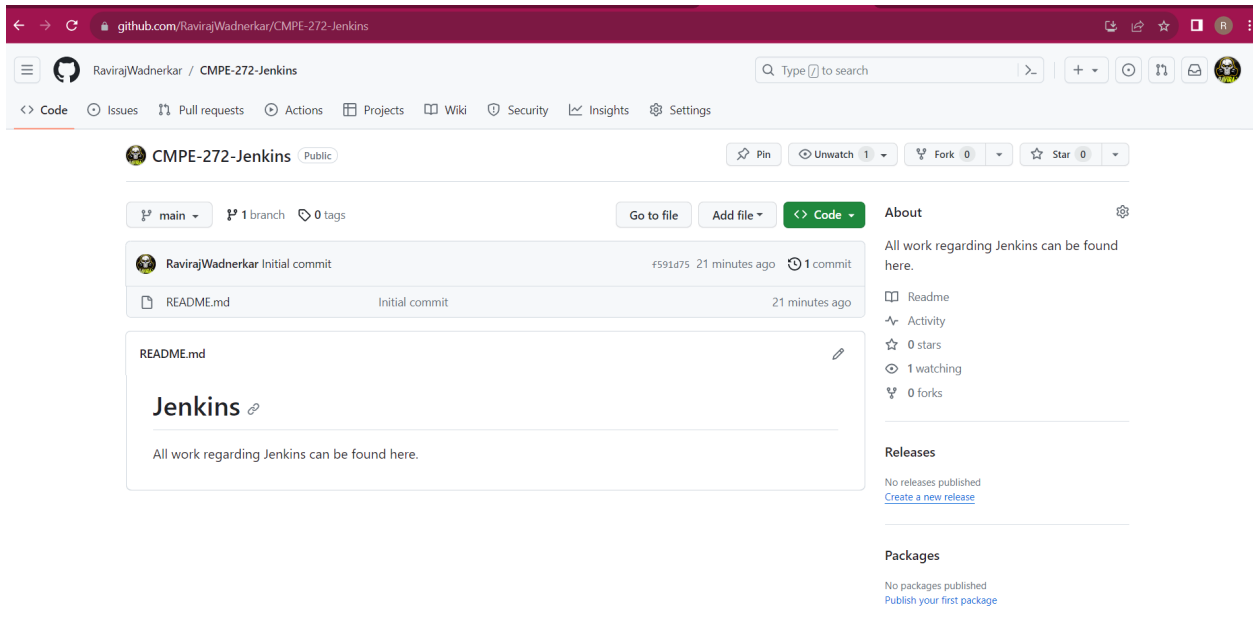
- ☐ Trigger builds remotely (e.g., from scripts) [?](#)
- ☐ Build after other projects are built [?](#)
- ☐ Build periodically [?](#)
- ☒ GitHub hook trigger for GITScm polling [?](#)
- ☐ Poll SCM [?](#)

Successfully build message

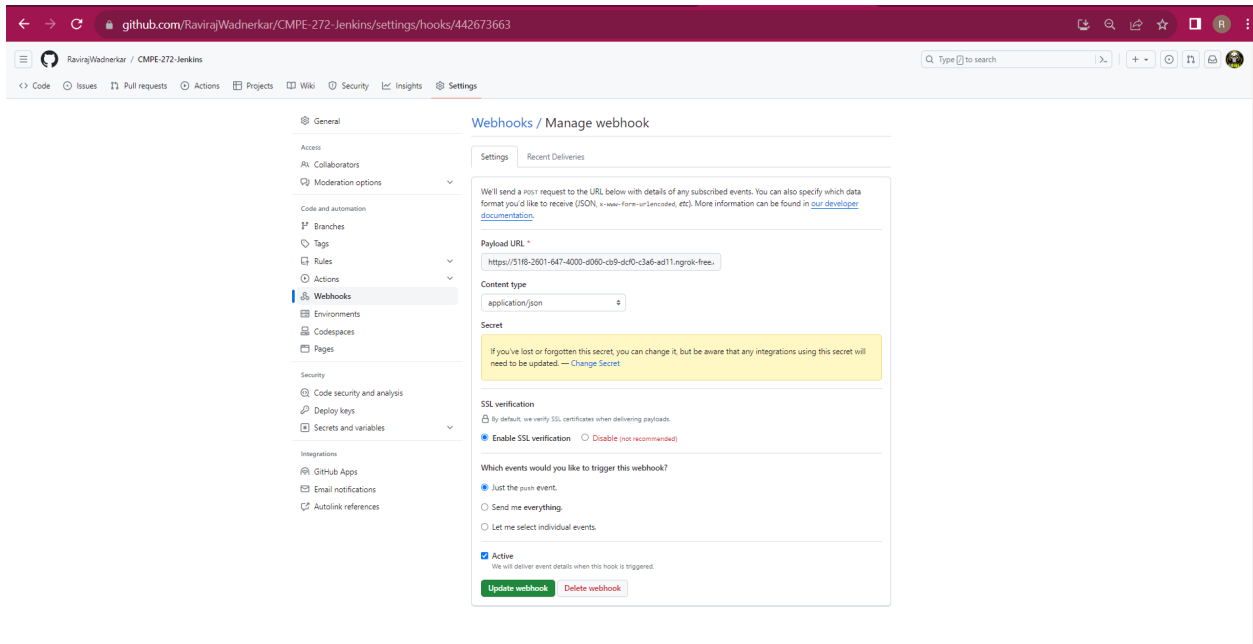
This screenshot shows the Jenkins web interface for a project named "Jenkins Integration with GitHub". The left sidebar contains a menu with options: Status, Changes, Workspace, Build Now, Configure, Delete Project, GitHub, and Rename. The main content area has a title "Project Jenkins Integration with GitHub" and a description "Pulling code from GitHub to integrate with Jenkins." Below this, there is a "Permalinks" section with a list of build links: "Last build (#1), 3 min 37 sec ago", "Last stable build (#1), 3 min 37 sec ago", "Last successful build (#1), 3 min 37 sec ago", and "Last completed build (#1), 3 min 37 sec ago". At the bottom, the "Build History" section shows a single build (#1) from Nov 11, 2023, 5:26 PM, with a status of "Atom feed for all" and "Atom feed for failures".

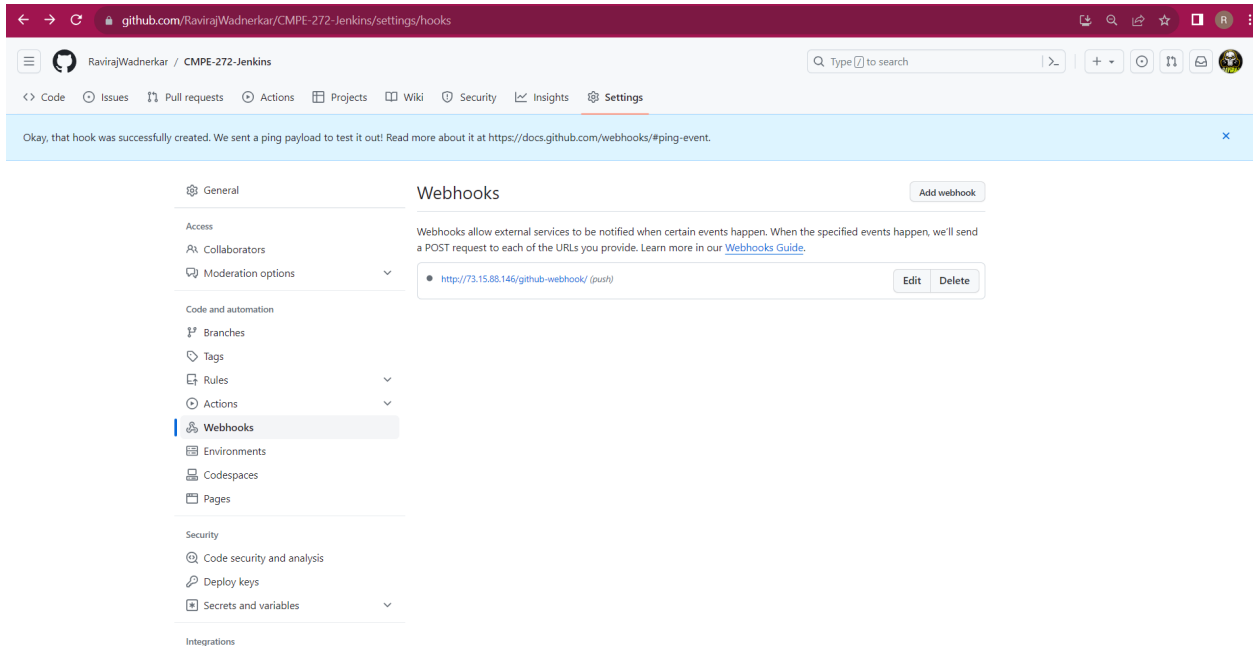
This screenshot shows the Jenkins web interface for the "Workspace of Jenkins Integration with GitHub on Built-In Node". The left sidebar contains a menu with options: Status, Changes, Workspace, Build Now, Configure, Delete Project, GitHub, and Rename. The main content area has a title "Workspace of Jenkins Integration with GitHub on Built-In Node" and a breadcrumb "Jenkins Integration with GitHub /". Below this, there is a "Workspace" section with a list of files: ".git", "README.md", and "all files in zip". The "README.md" file is highlighted, showing its details: "Nov 11, 2023, 5:26:35 PM", "58 B", and a link to "all files in zip".

The workspace matches with the github repository



Configured webhooks on github repository





Created a publicly available site from ngrok to connect localhost Jenkins to GitHub repository.

```
C:\Users\Raviraj Wadnerkar\Downloads\ngrok\ngrok.exe - ngrok http 8080
ngrok
( Ctrl+C to quit )

Introducing Pay-as-you-go pricing: https://ngrok.com/r/payg

Session Status      online
Account             Raviraj (Plan: Free)
Version             3.4.0
Region              United States (California) (us-cal-1)
Latency             20ms
Web Interface       http://127.0.0.1:4042
Forwarding           https://51f8-2601-647-4000-d060-cb9-dcf0-c3a6-ad11.ngrok-free.app -> http://localhost:8080

Connections
  ttl    opn    rt1    rt5    p50    p90
   96      0    0.06   0.16   0.07   6.99

HTTP Requests
-----
POST /github-webhook/ 200 OK
GET /descriptor/github-plugin-configuration/help 200 OK
POST /manage/descriptorByName/hudson.plugins.gradle.injection.InjectionConfig/checkServer 200 OK
POST /manage/descriptorByName/org.jenkinsci.plugins.github_branch_source.GitHubConfiguration/fillApiRateLimitChec 200 OK
POST /manage/descriptorByName/hudson.plugins.gradle.injection.InjectionConfig/checkAccessKey 200 OK
POST /manage/descriptorByName/hudson.plugins.emailext.ExtendedEmailPublisher/fillDefaultContentTypeItems 200 OK
POST /manage/descriptorByName/hudson.plugins.emailext.ExtendedEmailPublisher/checkDefaultSuffix 200 OK
POST /manage/descriptorByName/hudson.plugins.timestamp.TimestamperConfig/checkElapsedTimeFormat 200 OK
POST /manage/descriptorByName/jenkins.model.JenkinsLocationConfiguration/checkAdminAddress 200 OK
POST /manage/descriptorByName/org.jenkinsci.plugins.workflow.flow.GlobalDefaultFlowDurabilityLevel/fillDurability 200 OK
```

Made necessary changes in Jenkins

localhost:8080/manage/configure

Import favorites For quick access, place your favorites here on the favorites bar. [Manage favorites now](#)

Dashboard > Manage Jenkins > System >

SCM checkout retry count

0

☐ Restrict project naming

Jenkins Location

Jenkins URL ?

https://51f8-2601-647-4000-d060-cb9-dcf0-c3a6-ad11.ngrok-free.app/

System Admin e-mail address ?

address not configured yet <nobody@nowhere>

Serve resource files from another domain

Resource Root URL ?

Without a resource root URL, resources will be served from the Jenkins URL with Content-Security-Policy set.

Save Apply

First Ping successful

github.com/RavirajWadnerkar/CMPE-272-Jenkins/settings/hooks/442673663?tab=deliveries

RavirajWadnerkar / CMPE-272-Jenkins

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

Security

Code security and analysis

Deploy keys

Secrets and variables

Webhooks / Manage webhook

Settings Recent Deliveries

| | | | | | |
|---|--------------------------------------|------|----------------------------|---------------------|-----|
| ✓ | b2bc8430-8106-11ee-8bf3-2aff5be40c11 | ping | redelivery | 2023-11-11 20:25:02 | ... |
| ⚠ | b2bc8430-8106-11ee-8bf3-2aff5be40c11 | ping | redelivery | 2023-11-11 19:05:26 | ... |
| ⚠ | b2bc8430-8106-11ee-8bf3-2aff5be40c11 | ping | | 2023-11-11 18:53:48 | ... |

Made changes in the Readme file and ping to the Jenkins successful

github.com/RavirajWadnerkar/CMPE-272-Jenkins/settings/hooks/442673663?tab=deliveries

RavirajWadnerkar / CMPE-272-Jenkins

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Webhooks / Manage webhook

Settings Recent Deliveries

47d58c02-8115-11ee-8341-633dcc3f123a push 2023-11-11 20:38:10

Request Response 200 Redeliver Completed in 0.29 seconds.

Headers

```
Request URL: https://51f8-2601-647-4000-d060-cb9-dcf0-c3a6-ad11.ngrok-free.app/github-webhook/
Request method: POST
Accept: */*
content-type: application/json
User-Agent: GitHub-Hookshot/17409b6
X-GitHub-Delivery: 47d58c02-8115-11ee-8341-633dcc3f123a
X-GitHub-Event: push
X-GitHub-Hook-ID: 442673663
X-GitHub-Hook-Installation-Target-ID: 717604803
X-GitHub-Hook-Installation-Target-Type: repository
X-Hub-Signature: sha1=89bec64c475d2c196fa39b0a9b61543dd6fbb493
X-Hub-Signature-256: sha256=55a2a3f4b5535201dfcf0ca81d1ff628b492110e3fd5659bbef16085b6b56be
```

Payload

```
{
  "ref": "refs/heads/main",
  "before": "f591d75109a4806b3cca081dc5bacf0cfa8325d9",
}
```

Changes reflected in the Jenkins dashboard

https://51f8-2601-647-4000-d060-cb9-dcf0-c3a6-ad11.ngrok-free.app/job/Jenkins%20Integration%20with%20GitHub/

Import favorites For quick access, place your favorites here on the favorites bar. Manage favorites now

Jenkins Search (CTRL+K) Raviraj Wadnerkar log out

Dashboard > Jenkins Integration with GitHub

Project Jenkins Integration with GitHub

Pulling code from GitHub to integrate with Jenkins.

Edit description Disable Project

Permalinks

- Last build (#3), 1.9 sec ago
- Last stable build (#3), 1.9 sec ago
- Last successful build (#3), 1.9 sec ago
- Last completed build (#3), 1.9 sec ago

Build History

trend

Filter builds...

- #3 Nov 11, 2023 8:38 PM
- #2 Nov 11, 2023 6:22 PM
- #1 Nov 11, 2023 5:26 PM

Atom feed for all Atom feed for failures

REST API Jenkins 2.414.3

Keep this build forever

Started 2 min 56 sec ago
Add description Took 1.4 sec

Changes

1. Update README.md ([commit: 74353bb](#)) ([details](#) / [githubweb](#))



[Started by GitHub push by RavirajWadnerkar](#)

Revision: 74353bba796b6c85ab9ea702fe80cf35cb260146
Repository: <https://github.com/RavirajWadnerkar/CMPE-272-Jenkins.git>

- origin/main