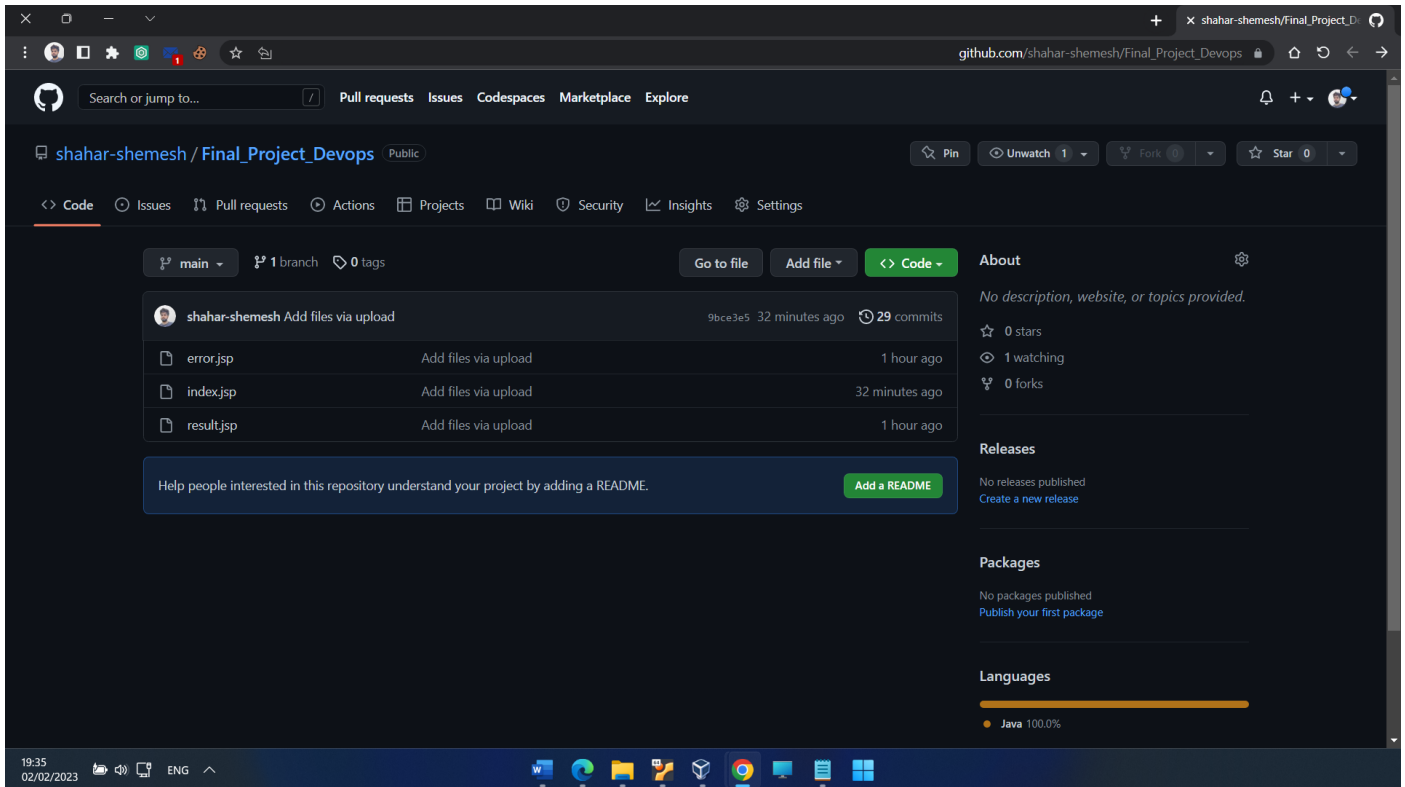


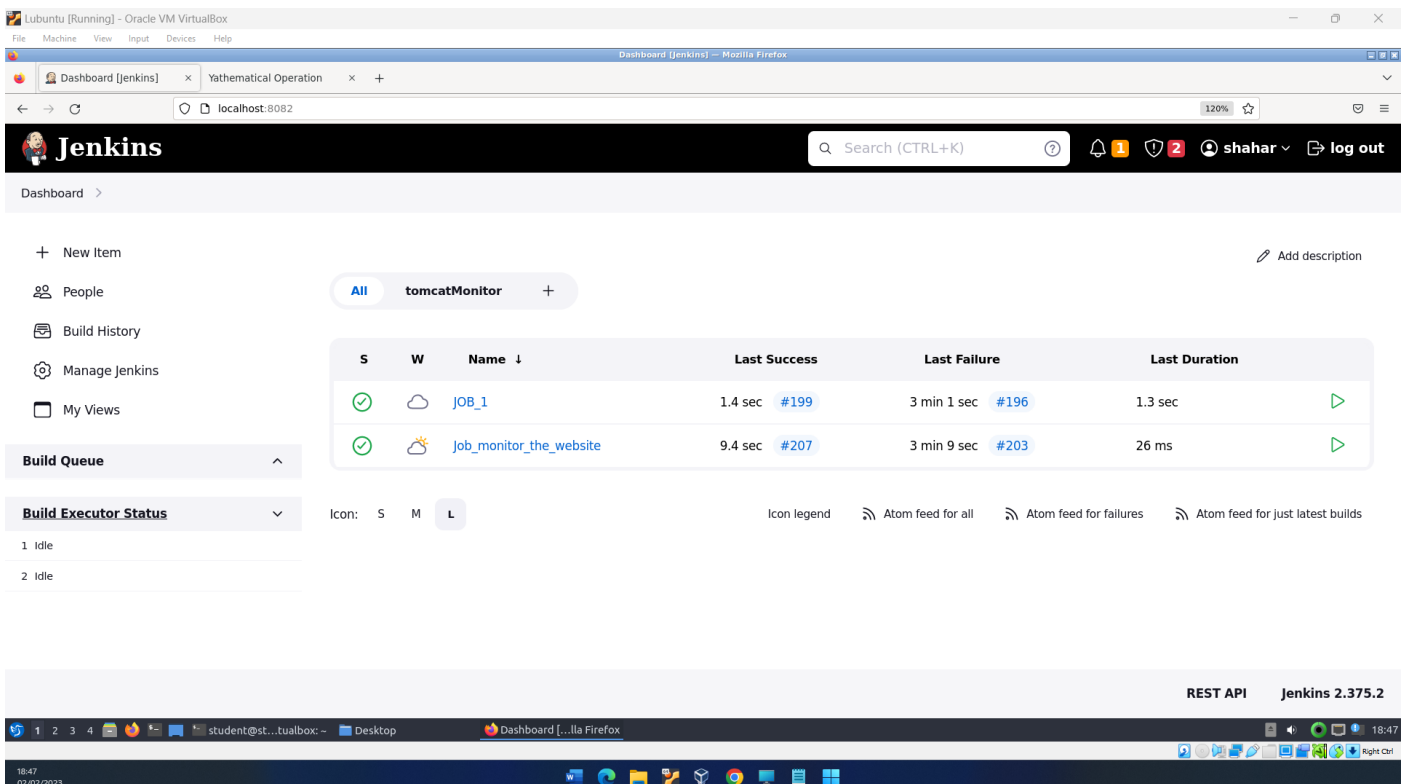
# Git repository:



## URL:

[https://github.com/shahar-shemesh/Final\\_Project\\_Devops](https://github.com/shahar-shemesh/Final_Project_Devops)

# Jenkins web page:



# Jenkins JOBS:

- **Job 1:** Check if was a change in git + take the jsp file from git →

Jenkins

Search (CTRL+K)

🔔 🏠 📄 shahar - log out

General

Enabled

Description

Check if was a change in git + take the jsp file from git

[Plain text] Preview

☐ Discard old builds

☐ GitHub project

☐ This project is parameterized

☐ Throttle builds

☐ Execute concurrent builds if necessary

Advanced...

Source Code Management

☐ None

☒ Git

Repositories

Repository URL

https://github.com/shahar-shemesh/final\_project\_Develops.git

Credentials

- none -

Add

Advanced...

Add Repository

Branches to build

Branch Specifier (blank for 'any')

\*/main

Add Branch

Repository browser

(Auto)

Additional Behaviours

Add

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

Schedule

\* \* \* \* \*

⚠️ Do you really mean "every minute" when you say "\* \* \* \* \*"? Perhaps you meant "H \* \* \* \*" to poll once per hour  
Would last have run at Thursday, February 2, 2023 at 4:48:14 PM Coordinated Universal Time; would next run at Thursday, February 2, 2023 at 4:48:14 PM Coordinated Universal Time.

☐ Ignore post-commit hooks

Build Environment

☐ Delete workspace before build starts

☐ Use secret text(s) or file(s)

☐ Add timestamps to the Console Output

☐ Terminate a build if it's stuck

☐ With Ant

Build Steps

Execute shell

Command

See the list of available environment variables

cp -r /? /var/jenkins\_home/tomcat/

Advanced...

Add build step

Dashboard > JOB\_1 > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Post-build Actions

Monitor Site

URL

http://172.17.0.3:8080/main

Success Response Codes

200

Timeout in seconds

5

☐ Untrusted SSL connections

Add URL...

Add post-build action

Save Apply

REST API Jenkins 2.375.2

## - Job 2: monitor the website (tomcat):

Jenkins

Search (CTRL+K)

shahar

log out

General

Enabled

Description

monitor the website (tomcat)

[Plain text] Preview

☐ Discard old builds

☐ GitHub project

☐ This project is parameterized

☐ Throttle builds

☐ Execute concurrent builds if necessary

Advanced...

Source Code Management

None

Git

Build Triggers

☐ Trigger builds remotely (e.g., from scripts)

☐ Build after other projects are built

☒ Build periodically

Schedule

\*\*\*\*\*

Do you really mean "every minute" when you say "\*\*\*\*\*"? Perhaps you meant "H \* \* \* \* \*" to poll once per hour

Would last have run at Thursday, February 2, 2023 at 5:06:20 PM Coordinated Universal Time; would next run at Thursday, February 2, 2023 at 5:06:20 PM Coordinated Universal Time.

☐ GitHub hook trigger for GITScm polling

☐ Poll SCM

Build Environment

☐ Delete workspace before build starts

☐ Use secret text(s) or file(s)

☐ Add timestamps to the Console Output

☐ Terminate a build if it's stuck

☐ With Ant

Build Steps

Execute shell

Command

See the list of available environment variables

```
#!/bin/sh
res="$(curl -o - -I 'http://172.17.0.3:8080/main/')"
status=$(echo "$res" | grep HTTP | awk '{print $2}')
if [ $status = '200' ]
then
    echo "All good"
    exit 0
else
    echo "ERROR"
    exit 1
fi
```

Advanced...

Dashboard > Job\_monitor\_the\_website > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Post-build Actions

Trigger parameterized build on other projects

Build Triggers

Projects to build

JOB\_1,

Blank project name in the list

Trigger when build is

Failed

☒ Trigger build without parameters

Add Parameters

Add trigger...

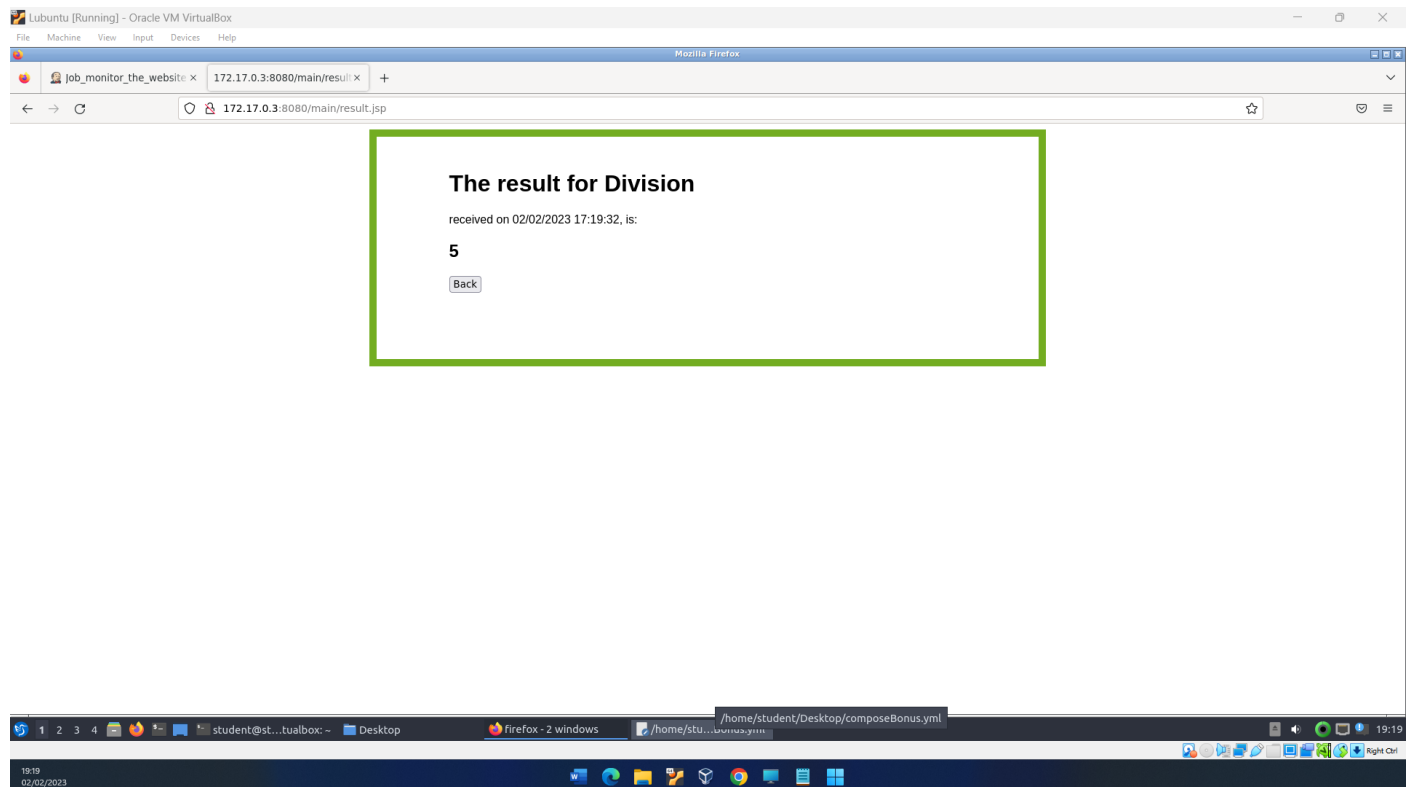
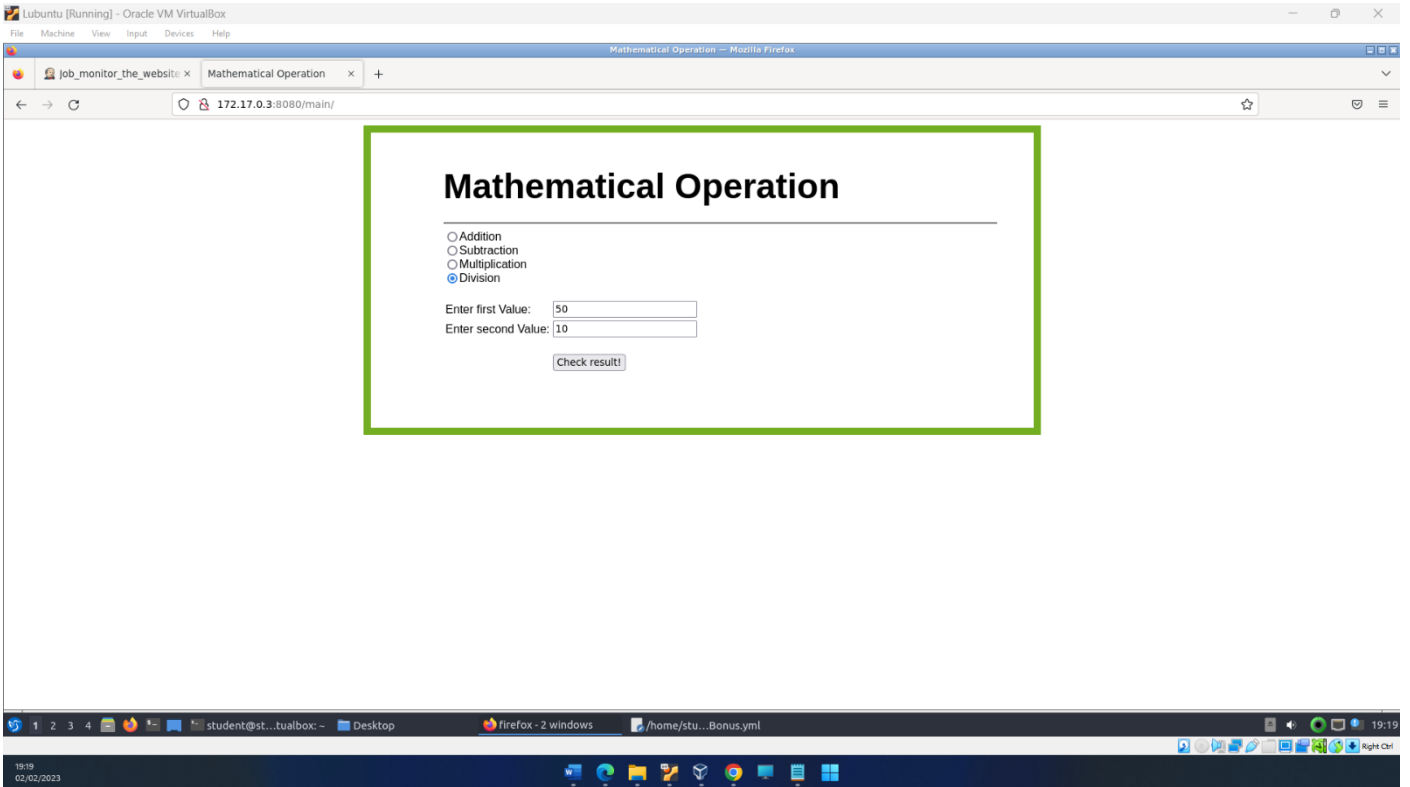
Add post-build action

Save

Apply

REST API Jenkins 2.375.2

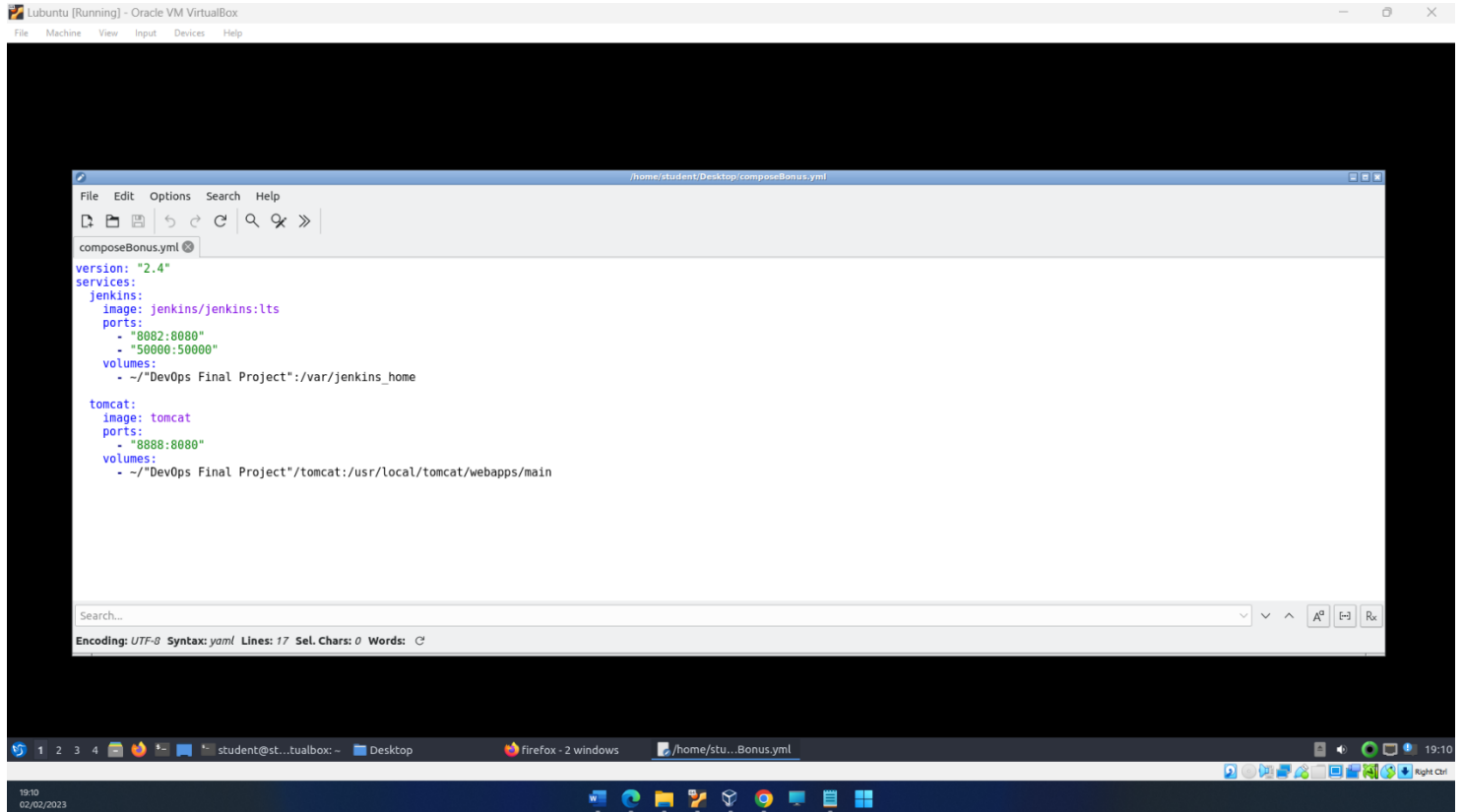
## Tomcat application:



# 'Docker ps -a' COMMAND:

```
student@student-virtualbox:~$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS              PORTS
7f45b9982e2d   ubuntu        "bash"                   11 days ago   Exited (0) 11 days ago
a1fc28cfa098   tomcat        "catalina.sh run"       11 days ago   Up 48 minutes      0.0.0.0:8888->8080/tcp, :::8888->8080/tcp
4bcfe02cbd48   jenkins/jenkins:its "/usr/bin/tini -- /u..." 11 days ago   Up 48 minutes      0.0.0.0:50000->50000/tcp, 0.0.0.0:8082->8080/tcp, :::8082->8080/tcp
student@student-virtualbox:~$
```

# Docker compose file:



## Monitor result:

The screenshot displays the Jenkins web interface within a Mozilla Firefox browser window. The address bar shows the URL `localhost:8082/job/JOB_1/201/sitemonitor/`. The Jenkins header includes the logo, a search bar, and user information for 'shahar' with a 'log out' link. The breadcrumb navigation indicates the path: Dashboard > JOB\_1 > #201 > Site Monitor.

### Site Monitor Report

URL	Response Code	Status
<a href="http://172.17.0.3:8080/main">http://172.17.0.3:8080/main</a>	200	<span style="color: green;">▲</span>

The bottom of the image shows the host's taskbar with various application icons and the system clock indicating 19:14 on 02/02/2023.

# Second monitor Job result:

Jenkins

Search (CTRL+K)

shahar

log out

Dashboard > Job\_monitor\_the\_website >

Status

</> Changes

Workspace

Build Now

Configure

Delete Project

Rename

Build History

trend

Filter builds...

#240

Feb 2, 2023, 5:16 PM

#239

Feb 2, 2023, 5:15 PM

#238

Feb 2, 2023, 5:14 PM

#237

Feb 2, 2023, 5:13 PM

#236

Feb 2, 2023, 5:12 PM

#235

Feb 2, 2023, 5:11 PM

#234

Feb 2, 2023, 5:10 PM

#233

Feb 2, 2023, 5:09 PM

#232

Feb 2, 2023, 5:08 PM

#231

Feb 2, 2023, 5:07 PM

#230

Feb 2, 2023, 5:06 PM

#229

Feb 2, 2023, 5:05 PM

#228

Feb 2, 2023, 5:04 PM

#227

Feb 2, 2023, 5:03 PM

#226

Feb 2, 2023, 5:02 PM

#225

Feb 2, 2023, 5:01 PM

#224

Feb 2, 2023, 5:00 PM

#223

Feb 2, 2023, 4:59 PM

#222

Feb 2, 2023, 4:58 PM

#221

Feb 2, 2023, 4:57 PM

#220

Feb 2, 2023, 4:56 PM

#219

Feb 2, 2023, 4:55 PM

#218

Feb 2, 2023, 4:54 PM

#217

Feb 2, 2023, 4:53 PM

#216

Feb 2, 2023, 4:52 PM

#215

Feb 2, 2023, 4:51 PM

#214

Feb 2, 2023, 4:50 PM

#213

Feb 2, 2023, 4:49 PM

#212

Feb 2, 2023, 4:48 PM

#211

Feb 2, 2023, 4:47 PM

#210

Feb 2, 2023, 4:46 PM

Atom feed for all

Atom feed for failures

Project Job\_monitor\_the\_website

monitor the website (tomcat)

Edit description

Disable Project

Downstream Projects

JOB\_1

Permalinks

Last build (#239), 13 sec ago

Last stable build (#239), 13 sec ago

Last successful build (#239), 13 sec ago

Last failed build (#229), 10 min ago

Last unsuccessful build (#229), 10 min ago

Last completed build (#239), 13 sec ago