



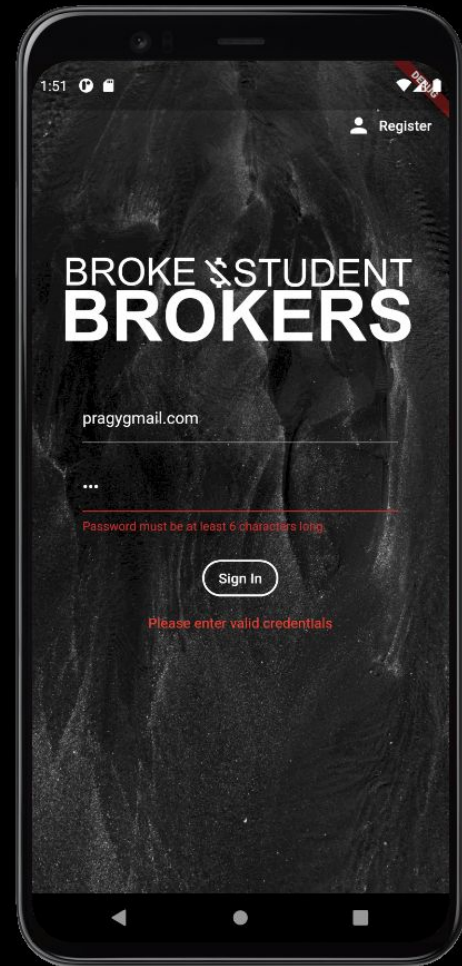
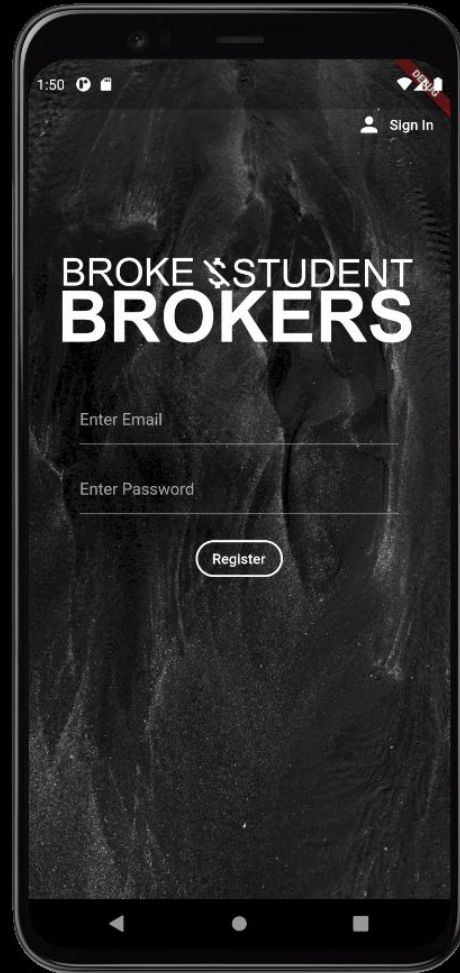
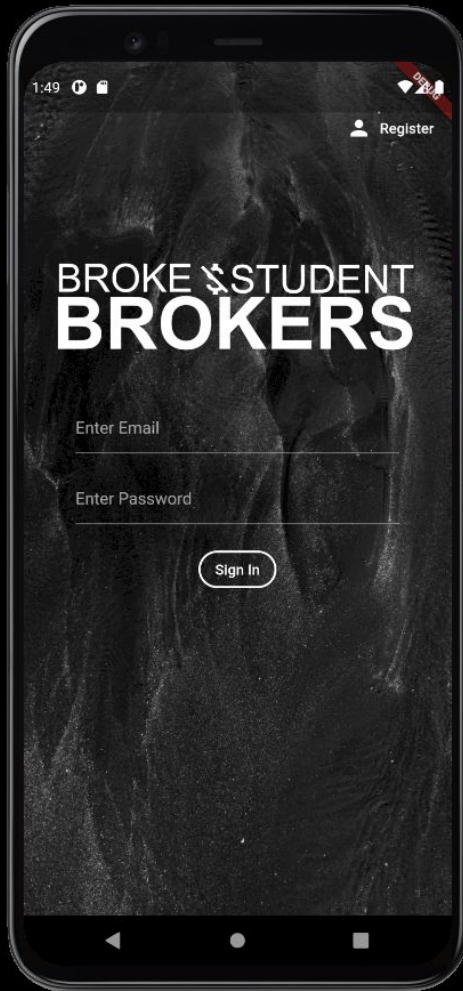
Real Time Trading Bot

Capstone Project - II

- lib
 - pages
 - authenticate
 - authenticate.dart
 - register.dart
 - sign_in.dart
 - home
 - chat.dart
 - dashboard.dart
 - deposit.dart
 - home.dart
 - loading.dart
 - profile.dart
 - settings.dart
 - somethingWrong.dart
 - models
 - stocks.dart
 - wrapper.dart
 - services
 - auth.dart
 - database.dart
 - main.dart

App: Basic Structure

- Firebase Authentication
- Cloud Firestore Database
- Flutter Widgets and UI



Authentication

Users

Sign-in method







Templates

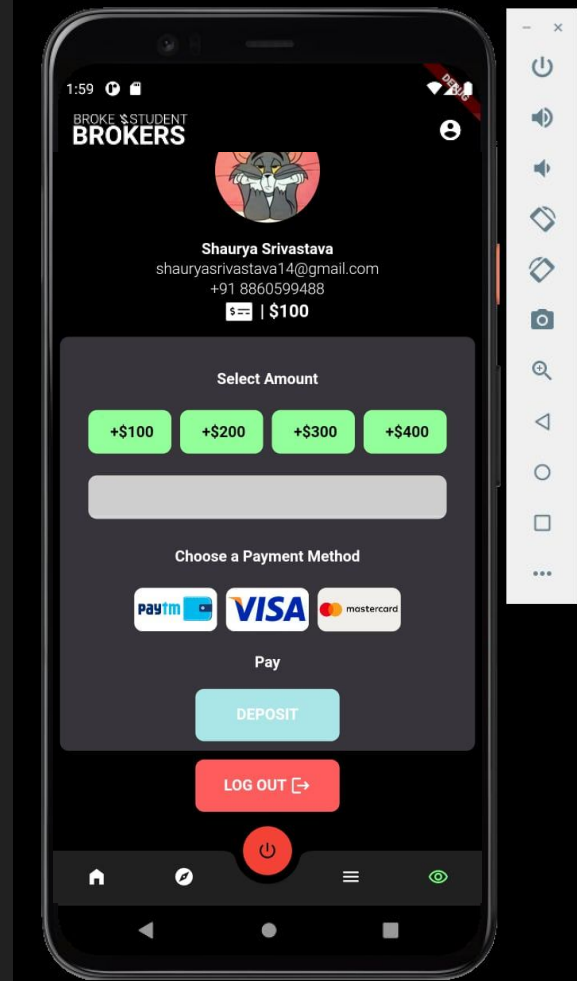
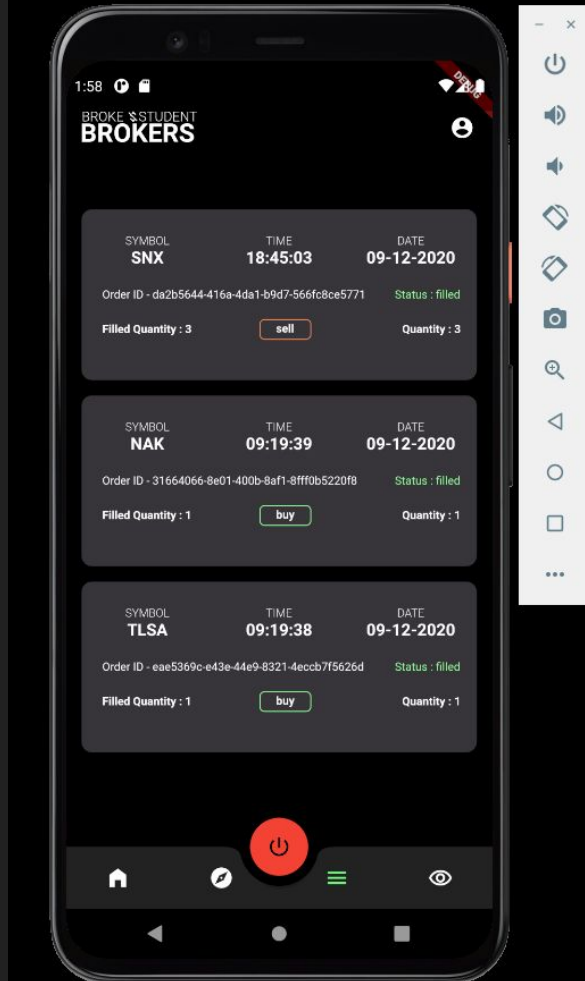
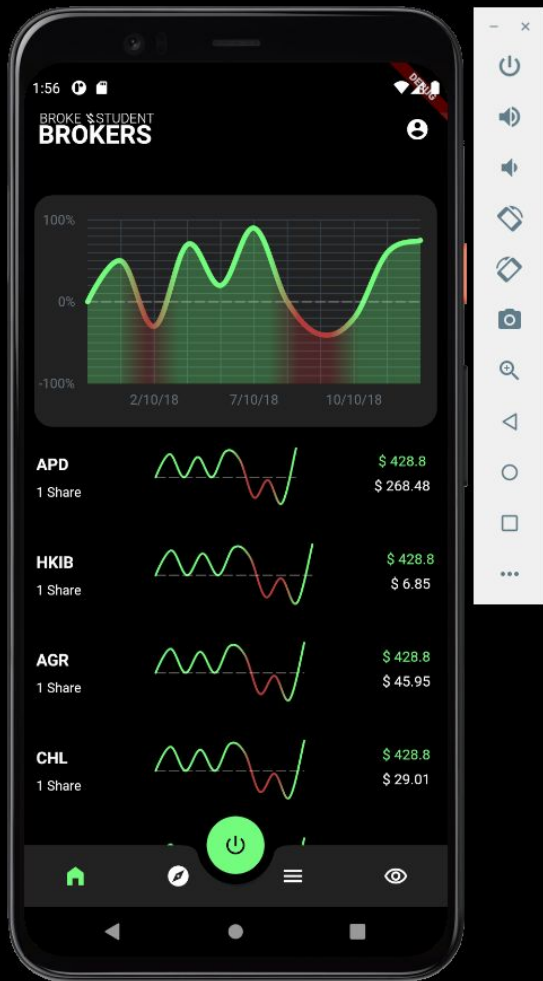
Usage


🔍 Search by email address, phone number or user UID

Add user



Identifier	Providers	Created	Signed In	User UID 
pragya@gmail.com		9 Dec 2020	10 Dec 2020	83kDrNaTFZNudyjpA5DoaSSsBC2
rishabh@gmail.com		10 Dec 2020	10 Dec 2020	JbERTK0cINV2km8V4V0zPR70uW...
rupali@gmail.com		10 Dec 2020	10 Dec 2020	t540skjaHBdi0kj7Xqwa0oimgxl1
<div>Rows per page 50  1 - 3 of 3  </div>				









BrokeStudentBrokers – Cloud Fir

+

← → ↺

console.firebase.google.com/u/0/project/brokestudentbrokers/firestore/data~2FtestStocks~2F83kDrsNaTFZNudyjpA5DoaSSsBC2


☆      ⋮


 **Firebase**


Project Overview


⚙️


Develop


 Authentication


 Cloud Firestore

 Realtime Database

 Storage

 Hosting

 Functions

 Machine Learning

Quality

Crashlytics, Performance, Test La...

Analytics

Dashboard, Events, Conversions, A...

Grow

Extensions



Blaze

Pay as you go




Modify

BrokeStudentBrokers

Cloud Firestore

Go to docs  

🏠 > testStocks > 83kDrsNaTFZN...

<div> brokestudentbrokers</div> <div><div>+ Start collection</div><div>TransactionInfo</div><div>botState</div><div>stocks</div><div>testStocks ></div></div>	<div> testStocks</div> <div><div>+ Add document</div><div>83kDrsNaTFZNudyjpA5DoaSSsBC2 ></div><div>JbERTK0c1NV2km8V4V0zPR70uWp2</div><div>John Doe</div><div>Main_Test</div><div>t540skjaHBdi0kj7Xqwa0oimgx11</div></div>	<div> 83kDrsNaTFZNudyjpA5DoaSSsBC2</div> <div><div>+ Start collection</div><div>+ Add field</div><div>botState: true</div><div>▼ cumulativeCurrentValue</div><div>▼ currentHoldings</div><div>▼ 0<div>countStock: 1 initialValue: 268.48 ticker: "APD"</div></div><div>▼ 1<div>countStock: 1 initialValue: 6.85 ticker: "HKIB"</div></div><div>▼ 2</div></div>
---	---	---

Cloud Firestore location: asia-south1

Frontend Unit Testing

Test Cases and Report

Run | Debug

```
test('Sign-in Empty email returns error string', () {  
  var result = EmailFieldValidator.validate('');  
  expect(result, 'Enter an email');  
});
```










Run | Debug

```
test('Sign-in Non-empty email returns null', () {  
  var result = EmailFieldValidator.validate('email');  
  expect(result, null);  
});
```

00:03 +0 -1: Sign-in Empty email returns error string [E]
Expected: 'Enter an email'
Actual: <null>
Which: not an <Instance of 'String'>

```
package:test_api          expect  
package:flutter_test/src/widget_tester.dart 431:3 expect  
test/unit_test.dart 16:5  main.<fn>
```

00:03 +7 -1: Some tests failed.

 unit_test.dart 7/8 passed, 113... M
 Sign-in Empty email return... M
 Sign-in Non-empty email r... M
 Sign-in Empty password ret... M
 Sign-in Non-empty passwo... M
 Register Empty email retur... M
 Register Non-empty email r... M
 Register Empty password r... M
 Non-empty password retur... M

Selenium UI Testing

Project: undecided-1

Tests + ▶ ⌵ ⌚

Search tests...

	Command	Target	Value
change_user_email			
23	mouse out	linkText=Signin	
24	click	css= form-group:nth-child(1) > .form-control	
25	type	css= form-group:nth-child(1) > .form-control	elephant123@gmail.com
26	click	css= form-group:nth-child(2) > .form-control	
27	click	css= form-group:nth-child(2) > .form-control	
28	type	css= form-group:nth-child(2) > .form-control	elephant123
29	click	css= btn-primary	
30	click	linkText=My Cart	

Command
Target
Value
Description

Log	Reference
17. click on css= btn-outline-primary OK	12:43:19
18. click on id=signout-span OK	12:43:19
19. mouseOver on linkText=Signup OK	12:43:19
20. mouseOut on linkText=Signup OK	12:43:19
21. click on linkText=Signin OK	12:43:20
22. mouseOver on linkText=Signin OK	12:43:20
23. mouseOut on linkText=Signin OK	12:43:20
24. click on css= form-group:nth-child(1) > .form-control OK	12:43:20
25. type on css= form-group:nth-child(1) > .form-control with value elephant123@gmail.com OK	12:43:21
26. click on css= form-group:nth-child(2) > .form-control OK	12:43:21
27. click on css= form-group:nth-child(2) > .form-control OK	12:43:21
28. type on css= form-group:nth-child(2) > .form-control with value elephant123 OK	12:43:21
29. click on css= btn-primary OK	12:43:22
30. click on linkText=My Cart OK	12:43:22
'change_user_email' completed successfully	12:43:22


Test Report


```
Test Suites: 1 failed, 1 total
Tests:       1 failed, 1 passed, 2 total
Snapshots:   0 total
Time:        45.995s
Ran all test suites.
```


Jenkins hosted on GCP


Jenkins Instance Hosted on Google Cloud Platform Using Compute Engine


← → ↻ ⚠ Not secure | 35.192.215.113:8080

 **Jenkins**



 1

 BrokeStudentBrokers

 log out

Dashboard

New Item

People

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Lockable Resources

New View



















Build Queue

Build Executor Status

1 Idle


2 Idle


All +


S	W	Name ↓	Last Success	Last Failure	Last Duration	
		BackendBuilder	N/A	N/A	N/A	
		BSB_Back	9 hr 44 min - #37	1 day 2 hr - #32	22 sec	
		Flutter-Pipeline	N/A	8 hr 10 min - #11	5 min 8 sec	
		PyPiDeployer	1 day 2 hr - #18	6 days 20 hr - #4	2.2 sec	
		test-email	35 min - #51	1 day 0 hr - #19	0.81 sec	
		WebhookTemplate	35 min - #38	N/A	0.8 sec	

Icon: S M L

Legend

 Atom feed for all

 Atom feed for failures

 Atom feed for just latest builds

[add description](#)

REST API

Jenkins 2.263.1

Jenkins hosted at <http://35.192.215.113:8080/>

GitHub Webhook

[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)[triloe / BrokeStudentBrokers](#)[Unwatch](#) 1 [Star](#) 0 [Fork](#) 0[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)[Options](#)[Manage access](#)[Security & analysis](#)[Branches](#)[Webhooks](#)[Notifications](#)[Integrations](#)[Deploy keys](#)[Autolink references](#)[Actions](#)[Secrets](#)[Moderation settings](#)

Webhooks / Manage webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL *

Content type

Secret

Which events would you like to trigger this webhook?

- ☐ Just the push event.
- ☒ Send me everything.
- ☐ Let me select individual events.

☒ Active













We will deliver event details when this hook is triggered.

[Update webhook](#)[Delete webhook](#)


GitHub Webhook Setup

Webhook Deliveries

Recent Deliveries

✓		659af712-3a56-11eb-9603-32a767de750e	2020-12-10 01:10:31	...
✓		0f32baf2-3a53-11eb-902e-888333e17a36	2020-12-10 00:46:38	...
✓		cd31f8a2-3a39-11eb-80d5-409ca500528b	2020-12-09 21:45:50	...
✓		b75b7e1a-3a37-11eb-8b35-a2cbccc020a8	2020-12-09 21:30:54	...
✓		370763a2-3a2b-11eb-8b55-5adedce66dbc	2020-12-09 20:01:25	...
✓		b0d1fee4-3a09-11eb-99bd-dd968d8fe33a	2020-12-09 16:01:28	...
✓		d1ecb06c-39fd-11eb-9cf6-7f3f3a6c1dfb	2020-12-09 14:36:32	...
✓		50f75af0-39fa-11eb-8117-f27178817793	2020-12-09 14:11:26	...
✓		b7f5a194-3996-11eb-9c0c-a6b54ffd8a77	2020-12-09 02:18:26	...
✓		326a6a6c-3993-11eb-9d84-56217b0dcaa3	2020-12-09 01:53:14	...
✓		6ad230ee-3991-11eb-8c85-08346ada01ed	2020-12-09 01:40:29	...
✓		6e1d3f5a-3990-11eb-8a94-fdd5647e02f9	2020-12-09 01:33:20	...

Recent Deliveries

✓  659af712-3a56-11eb-9603-32a767de750e 2020-12-10 01:10:31 ...

Request Response 290 Redeliver ⌚ Completed in 0.12 seconds.

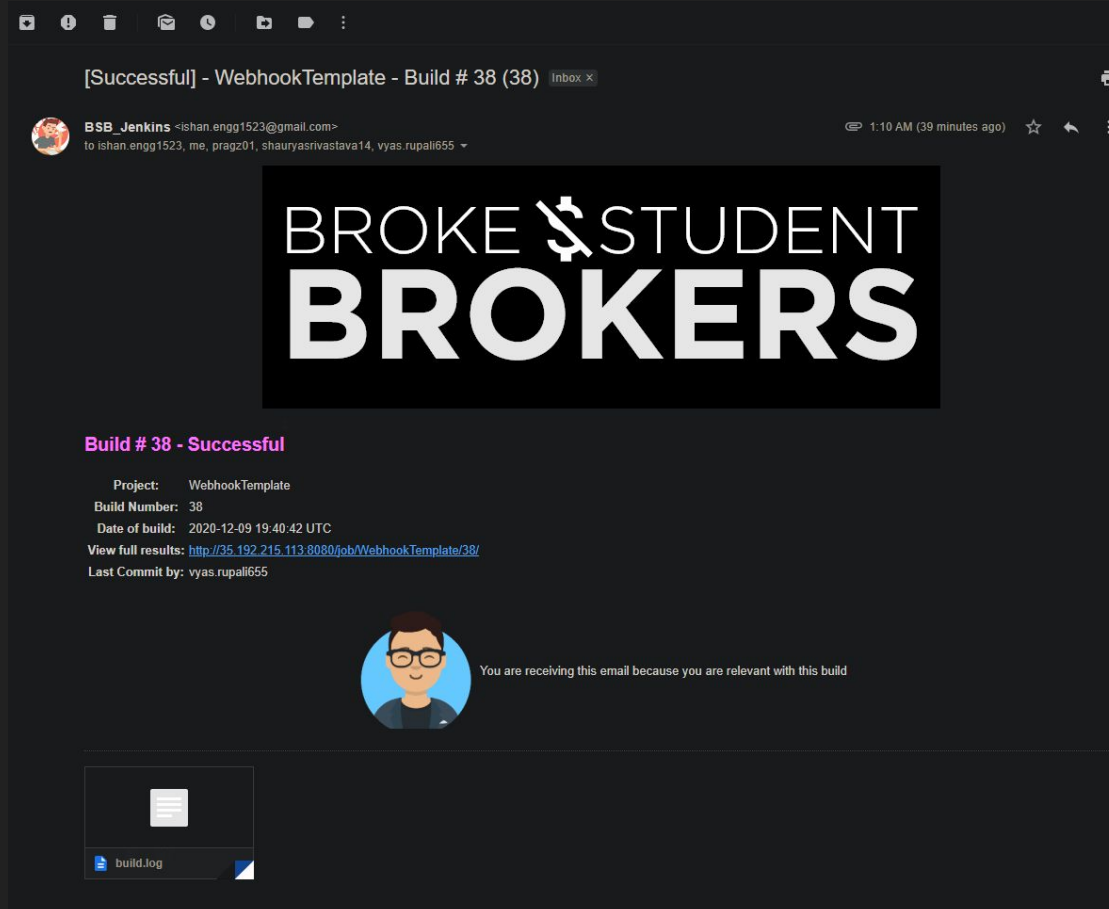
Headers

Request URL: http://35.192.215.113:8080
Request method: POST
Accept: */*
content-type: application/json
User-Agent: GitHub-Hookshot/a9cf1f2
X-GitHub-Delivery: 659af712-3a56-11eb-9603-32a767de750e
X-GitHub-Event: push
X-GitHub-Hook-ID: 266098214
X-GitHub-Hook-Installation-Target-ID: 312221096
X-GitHub-Hook-Installation-Target-Type: repository

Payload

```
{
  "ref": "refs/heads/main",
  "before": "2680a3446392d92de8a18585f59f398ecae624c8",
  "after": "ff1f30be2ff837eebdc75d6f14d8b21fac86580c",
  "repository": {
    "id": 312221096,
    "node_id": "MDEwOjllcG9zaXRvcnkzMTEyMjEwOTY=",
    "name": "BrokeStudentBrokers",
    "full_name": "trilloe/BrokeStudentBrokers",
    "private": false,
    "owner": {
      "name": "trilloe",
      "email": "42500224+trilloe@users.noreply.github.com",
      "login": "trilloe",
      "id": 42500224,
      "node_id": "MDQ6VXNlcjQyNTAwMjE0",
      "avatar_url": "https://avatars0.githubusercontent.com/u/42500224?v=4",
      "gravatar_id": "",
      "url": "https://api.github.com/users/trilloe",
      "html_url": "https://github.com/trilloe",
      "followers_url": "https://api.github.com/users/trilloe/followers",
```

Jenkins Email



Jenkins Email

build.log

Open with

```
Started by GitHub push by RupaliVyas
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/WebhookTemplate
The recommended git tool is: NONE
No credentials specified
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/trilloe/BrokeStudentBrokers.git # timeout=10
Fetching upstream changes from https://github.com/trilloe/BrokeStudentBrokers.git
> git --version # timeout=10
> git --version # 'git version 2.17.1'
> git fetch --tags --progress -- https://github.com/trilloe/BrokeStudentBrokers.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse origin/main^{commit} # timeout=10
Checking out Revision fflf30be2ff837eebdc75d6f14d8b21fac86580c (origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f fflf30be2ff837eebdc75d6f14d8b21fac86580c # timeout=10
Commit message: "Fixed Transactions UI"
> git rev-list --no-walk 2680a3446392d92de8a18585f59f398ecae624c8 # timeout=10
Checking for pre-build
Executing pre-build step
Checking if email needs to be generated
No emails were triggered.
[WebhookTemplate] $ /bin/sh -xe /tmp/jenkins4599898606225455922.sh
+ echo hello world
hello world
Checking for post-build
Performing post-build step
Checking if email needs to be generated
Email was triggered for: Always
Sending email for trigger: Always
Sending mail from default account using System Admin e-mail address
messageContentType = text/html; charset=UTF-8
Request made to attach build log
Collecting change authors...
  build: 38
    adding author: vyas.rupali655
Not sending mail to unregistered user vyas.rupali655@gmail.com because your SCM claimed this was associated with a user ID 'vyas.rupali655' which your security realm does not
recognize; you may need changes in your SCM plugin
Adding recipients from project recipient list
Analyzing: ishan.enggl523@gmail.com, an649hd@gmail.com, pragz01@gmail.com, shauryasrivastaval4@gmail.com, vyas.rupali655@gmail.com
Looking for: ishan.enggl523@gmail.com
  starting at: 0
  firstFoundIdx: 0
  firstFoundIdx-substring: ishan.enggl523@gmail.com, an649hd@gmail.com, pragz01@gmail.com, shauryasrivastaval4@gmail.com, vyas.rupali655@gmail.com
  => found type: 0
Looking for: an649hd@gmail.com
  starting at: 25
  firstFoundIdx: 26
  firstFoundIdx-substring: an649hd@gmail.com, pragz01@gmail.com, shauryasrivastaval4@gmail.com, vyas.rupali655@gmail.com
  => found type: 0
Looking for: pragz01@gmail.com
  starting at: 44
```

Attached build log

Building Project & Running Unit Tests Using Pyb

- ▼ pyb
 - > __pycache__
 - > .pybuilder
 - > env
- ▼ src
 - ▼ main
 - ▼ python
 - > __pycache__
 - 🔗 get_returns.py
 - > scripts
 - ▼ unittest \ python
 - > __pycache__
 - 🔗 get_returns_tests.py
- > target
- 🔗 build.py
- 🐳 Dockerfile
- ⚙️ pyproject.toml
- ☰ requirements.txt
- 🔗 setup.py


```
import unittest
import numpy as np
import talib
import pandas as pd
```

```
from get_returns import get_returns
```

```
class Get>ReturnsTest(unittest.TestCase):
```

```
close_prices = pd.DataFrame([962.9, 893.9, 884.2, 921.55, 969.3, 1041.45, 1082.45, 1081.3, 1102.4, 1075.4, 1047.65, 1031.5,  
close_prices w prof = pd.DataFrame([746.4 , 737.75, 735.65, 699.25, 669.25, 640.9 , 609.75, 601.15, 623.7 , 602.9 , 561.5,
```

```
def test_should_return_0_returns(self):
```

```
out = get_returns(self.close_prices)
print(out)
```

```
assert out == 0
# verify(out).write('0')
```

```
def test_should_return_profit(self):
```

```
out = get_returns(self.close_prices_w_prof)
print(out)
```

```
assert out == 52
```



BSB_Back

10 hr - #37

1 day 3 hr - #32

22 sec



Build



Execute shell



Command

```
cd model  
cd pyb  
  
python3 -m venv pybuild  
. pybuild/bin/activate  
pip install -r requirements.txt  
pyb
```

See [the list of available environment variables](#)

Advanced...Add build step ▾

Dashboard ▸ BSB_Back ▸ #37

```

52
[INFO] Executed 2 unit tests
[INFO] All unit tests passed.
[INFO] Building distribution in /var/lib/jenkins/workspace/BSB_Back/model/pyb/target/dist/BSB_Back-1.0.dev0
[INFO] Copying scripts to /var/lib/jenkins/workspace/BSB_Back/model/pyb/target/dist/BSB_Back-1.0.dev0/scripts
[INFO] Writing setup.py as /var/lib/jenkins/workspace/BSB_Back/model/pyb/target/dist/BSB_Back-1.0.dev0/setup.py
[INFO] Collecting coverage information for 'pybuilder.plugins.python.unittest_plugin:run_unit_tests'
[WARN] ut_coverage_branch_threshold_warn is 0 and branch coverage will not be checked
[WARN] ut_coverage_branch_partial_threshold_warn is 0 and partial branch coverage will not be checked
[INFO] Running unit tests
[INFO] Executing unit tests from Python modules in /var/lib/jenkins/workspace/BSB_Back/model/pyb/src/unittest/python
52
0
52
[INFO] Executed 2 unit tests
[INFO] All unit tests passed.
[INFO] Overall pybuilder.plugins.python.unittest_plugin.run_unit_tests coverage is 93%
[INFO] Overall pybuilder.plugins.python.unittest_plugin.run_unit_tests branch coverage is 87%
[INFO] Overall pybuilder.plugins.python.unittest_plugin.run_unit_tests partial branch coverage is 87%
[INFO] Overall BSB_Back coverage is 93%
[INFO] Overall BSB_Back branch coverage is 87%
[INFO] Overall BSB_Back partial branch coverage is 87%
[INFO] Building binary distribution in /var/lib/jenkins/workspace/BSB_Back/model/pyb/target/dist/BSB_Back-1.0.dev0
[INFO] Running Twine check for generated artifacts
-----
BUILD SUCCESSFUL
-----
Build Summary
    Project: BSB_Back
    Version: 1.0.dev0
    Base directory: /var/lib/jenkins/workspace/BSB_Back/model/pyb
    Environments:
        Tasks: prepare [10333 ms] compile_sources [0 ms] run_unit_tests [847 ms] package [3 ms] run_integration_tests [0 ms] verify [0 ms] coverage
[1137 ms] publish [1360 ms]
Build finished at 2020-12-09 10:32:03
Build took 18 seconds (18727 ms)
Finished: SUCCESS

```

Python Package hosted on
PyPi

FileEditSelectionViewGoRunTerminalHelp

Dockerfile - BrokeStudentBrokers - Visual Studio Code

EXPLORER

OPEN EDITORS

BROKESTUDENTBROKERS

Broke_Student_Brokers_Package

broke_students_package

broke_students_package.egg-info

dist

tests

.gitignore

CHANGELOG.txt

Dockerfile

LICENSE.txt

README.txt

setup.py

test_run.py

Execute_Script

final

Firebase Testing

momentum

pyb

rsi

rsi_new

test_figures

Test_Model

.gitignore

alpha_vantage

AMZN.csv

AMZN.xlsx

forecasting.py

.aitianore

OUTLINE

TIMELINE

NPM SCRIPTS

DEPENDENCIES

JAVA PROJECTS

driver.py ..\scripts

driver.py ..\final

requirements.txt

get_returns_tests.py

Dockerfile x

build.py

.gitignore

model > Broke_Student_Brokers_Package > Dockerfile

1 FROM python:3.7.9-buster

2

3 RUN pip install setuptools

4 RUN pip install twine

5

6 COPY . .

7

8 CMD python setup.py sdist && twine upload --skip-existing --repository-url <https://upload.pypi.org/legacy/> -u shaurya1409 -p

9

10

meetgoogle.com is sharing your screen.

Stop sharing

Hide

main* Python 3.7.8 64-bit 0 1 9 Run Tests

Ln 10, Col 1 Spaces: 4 UTF-8 CRLF Docker No Device

U: 0.31 Mbit/s D: 0.36 Mbit/s 2:41 AM



PyPiDeployer

1 day 3 hr - #18

6 days 21 hr - #4

2.2 sec



Execute shell



Command

```
cd model  
cd Broke_Student_Brokers_Package  
docker build -t pypidep .  
docker run pypidep
```

See [the list of available environment variables](#)

Advanced...

Add build step ▾

Dashboard ▸ PyPiDeployer ▸ #18

```

250-SIZE 35882577
250-8BITMIME
250-AUTH LOGIN PLAIN XOAUTH2 PLAIN-CLIENTTOKEN OAUTHBEARER XOAUTH
250-ENHANCEDSTATUSCODES
250-PIPELINING
250-CHUNKING
250 SMTPUTF8
DEBUG SMTP: Found extension "SIZE", arg "35882577"
DEBUG SMTP: Found extension "8BITMIME", arg ""
DEBUG SMTP: Found extension "AUTH", arg "LOGIN PLAIN XOAUTH2 PLAIN-CLIENTTOKEN OAUTHBEARER XOAUTH"
DEBUG SMTP: Found extension "ENHANCEDSTATUSCODES", arg ""
DEBUG SMTP: Found extension "PIPELINING", arg ""
DEBUG SMTP: Found extension "CHUNKING", arg ""
DEBUG SMTP: Found extension "SMTPUTF8", arg ""
DEBUG SMTP: protocolConnect login, host=smtp.gmail.com, user=ishan.engg1523@gmail.com, password=<non-null>
DEBUG SMTP: Attempt to authenticate using mechanisms: LOGIN PLAIN DIGEST-MD5 NTLM XOAUTH2
DEBUG SMTP: Using mechanism LOGIN
DEBUG SMTP: AUTH LOGIN command trace suppressed
DEBUG SMTP: AUTH LOGIN succeeded
DEBUG SMTP: use8bit false
MAIL FROM:<ishan.engg1523@gmail.com>
250 2.1.0 OK w13sm4076356ilo.14 - gsmtpp
DEBUG SMTP: sendPartial set
RCPT TO:<ishan.engg1523@gmail.com>
250 2.1.5 OK w13sm4076356ilo.14 - gsmtpp
DEBUG SMTP: Verified Addresses
DEBUG SMTP:  ishan.engg1523@gmail.com
DATA
354 Go ahead w13sm4076356ilo.14 - gsmtpp

-----_Part_22_2042747815.1607450059636--
.
250 2.0.0 OK 1607450062 w13sm4076356ilo.14 - gsmtpp
DEBUG SMTP: message successfully delivered to mail server
QUIT
221 2.0.0 closing connection w13sm4076356ilo.14 - gsmtpp
Finished: SUCCESS

```


[Help](#)[Sponsor](#)[Log in](#)[Register](#)

broke-students-package 0.1.9

✓ Latest version`pip install broke-students-package`

Released: Dec 3, 2020

A Library that shall make you Money....., Or atleast plot it

Navigation

[Project description](#)[Release history](#)[Download files](#)

Statistics

View statistics for this project via [Libraries.io](#), or by using our [public dataset on Google BigQuery](#)

Meta

License: MIT

Author: The Broke Student Brokers

Project description

This is a test Package for Broke Student Broker's Amazing Alogirithm (Much Money, Such Wow)

To use,

```
>>> from broke_students_package import functions as bs
>>> bs.run()
```

Change Log

0.1.0 (2/12/2020)

- First Release

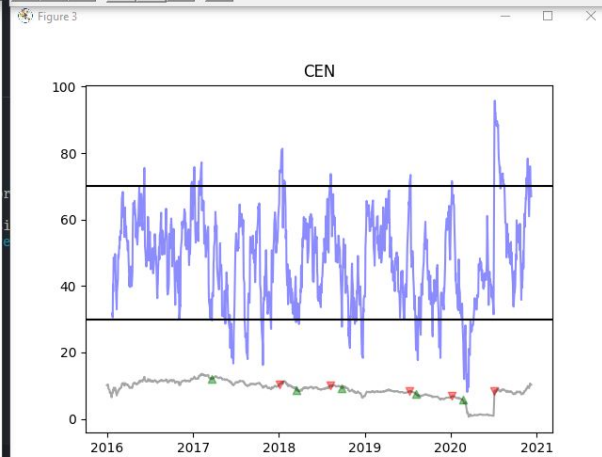
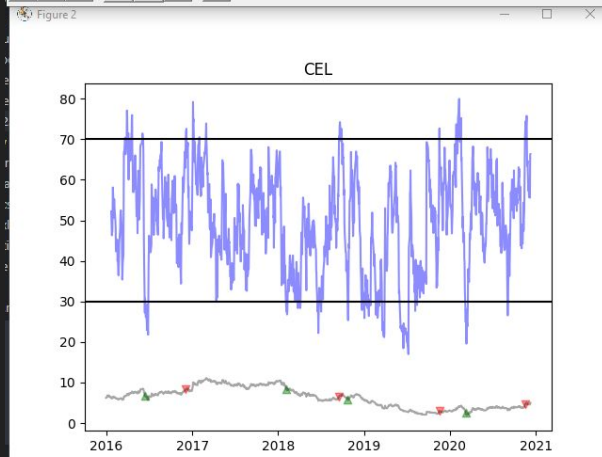
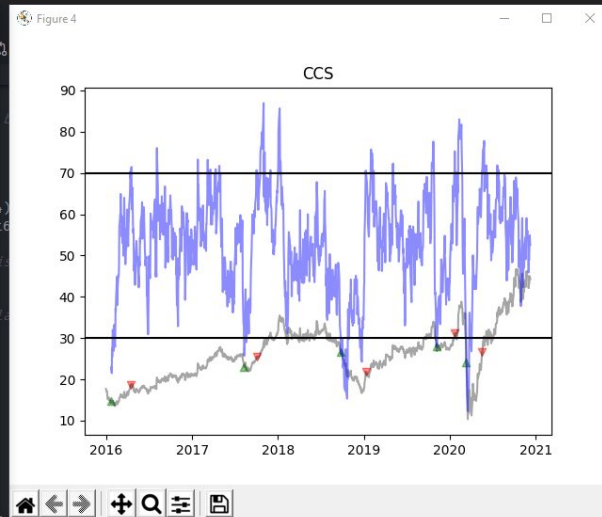
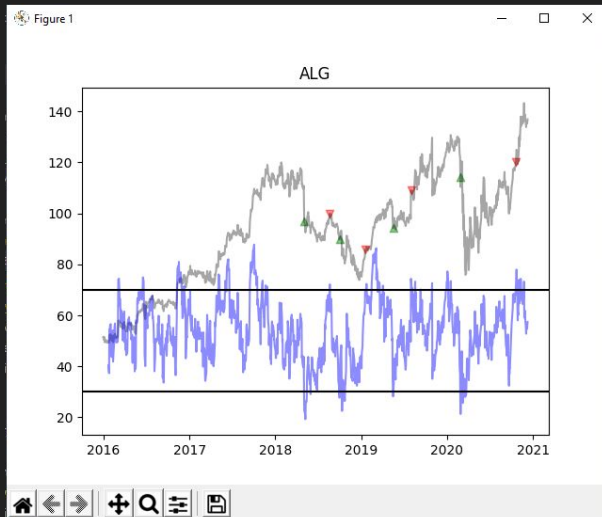
0.1.1 (2/12/2020)

- Added Description

Available at

<https://pypi.org/project/broke-students-package/>

Visualisations



Buy / Sell
Visualisation
(Back Testing)

Returns

