Project Name: **SPOTYFI**

Authors: Charlito Piao & Cedez Gulane

About: Store your favorite artist with their albums and songs to let you remember what to listen.

Framework used:

1. Nodejs
2. Mocha & Chai (For Testing)
3. Express
4. Travis (For Continuous Integration)
5. Heroku (For Deployment)
6. Install dependencies for packages

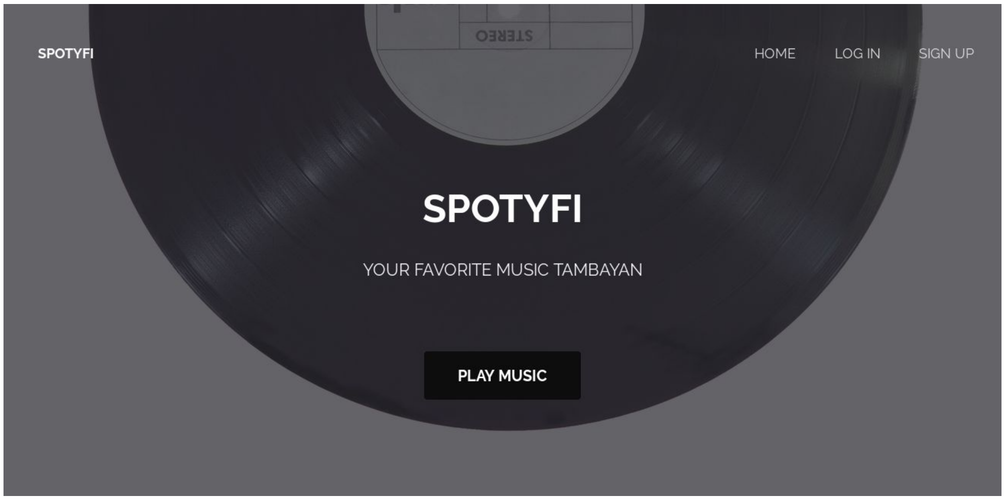
Instructions to run:

1. Install nodejs at: https://nodejs.org/en/download/ or follow https://docs.npmjs.com/getting-started/installing-node
2. Install express and follow instruction at: https://expressjs.com/en/starter/installing.html
3. Download project at: https://github.com/Sedce/music_storage
4. Open terminal and run: nodemon server.js or Install nodemon and run: nodemon server.js (Do this if you want to follow the step by step process of making the project)

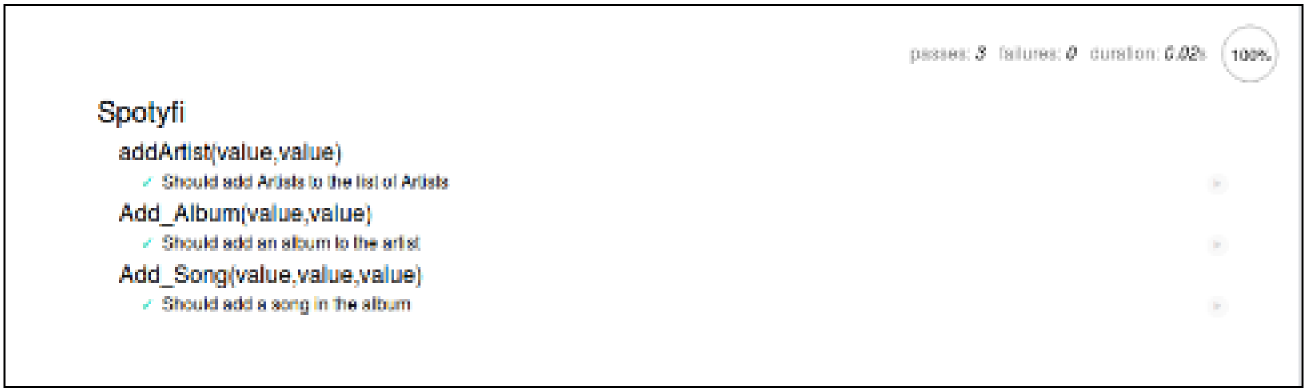
To run using nodemon: Open browser and put the link address: http://localhost:3000 or run http://localhost:3000/tests for testing

To run, browse: https://tranquil-hamlet-23365.herokuapp.com/

A look at the main page: (localhost:3000)



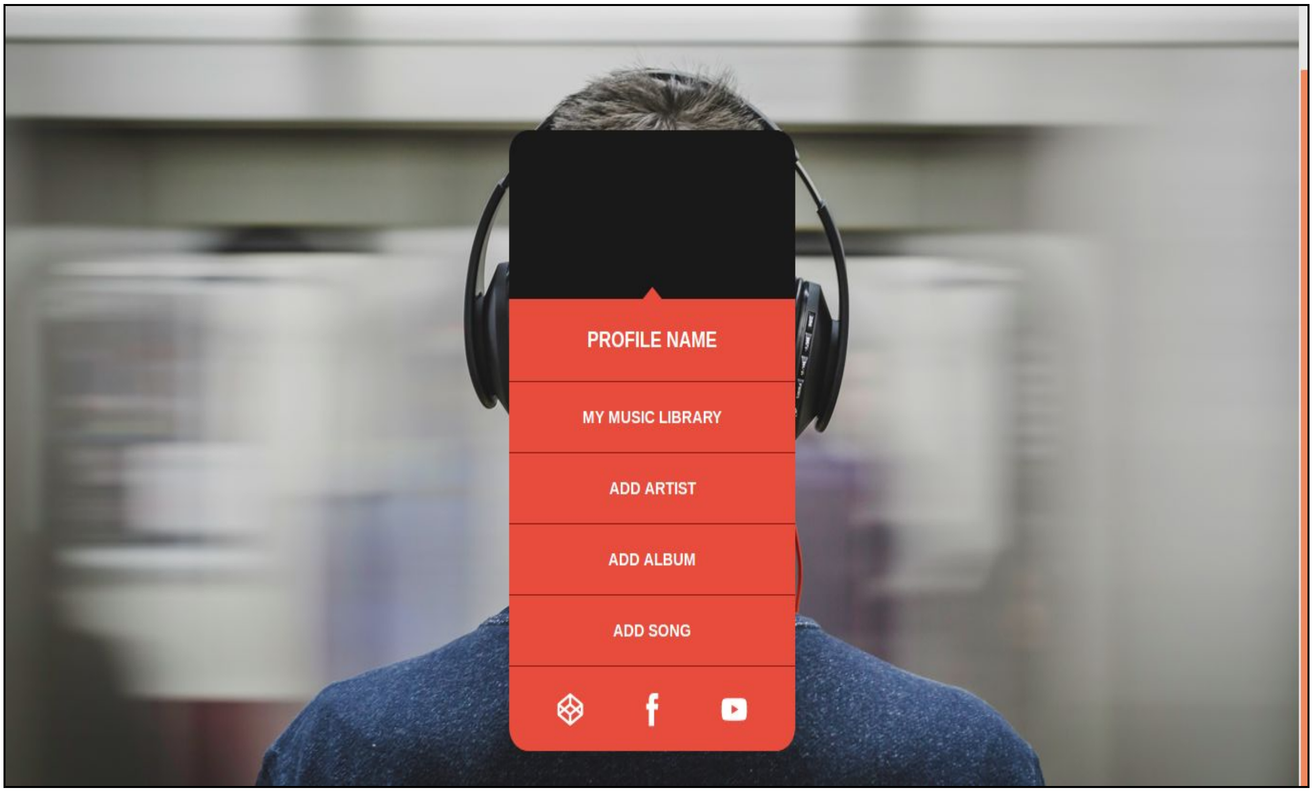
Running tests: (localhost:3000/tests)



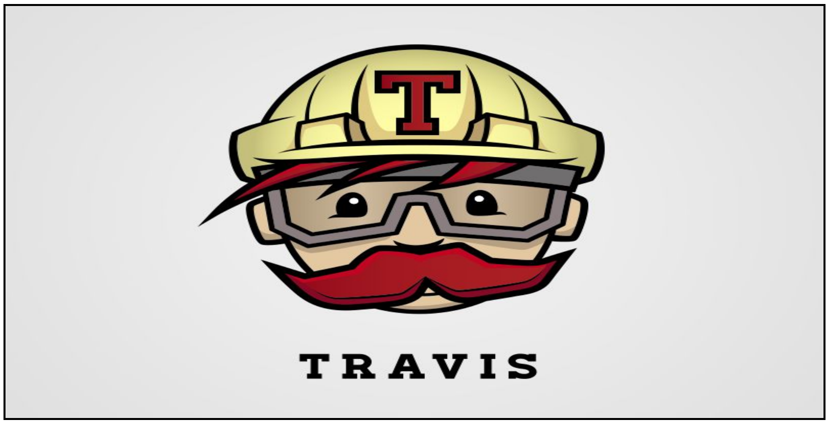
```
                                         passes: 3  failures: 0  duration: 0.02s  100%

Spotyfi
  addArtist(value,value)
    ✓ Should add Artists to the list of Artists
  Add_Album(value,value)
    ✓ Should add an album to the artist
  Add_Song(value,value,value)
    ✓ Should add a song in the album
```

User Profile: (localhost:3000/profile)

Once the user is logged in, it will directly point the user to the profile page. In this example, our project is still ongoing, the user is given a choice to go to his/her music library where all of the musics, albums and artists are found. He/She is also given the option to add artist, song, or album.



Contiguous Integration Used: **Travis**

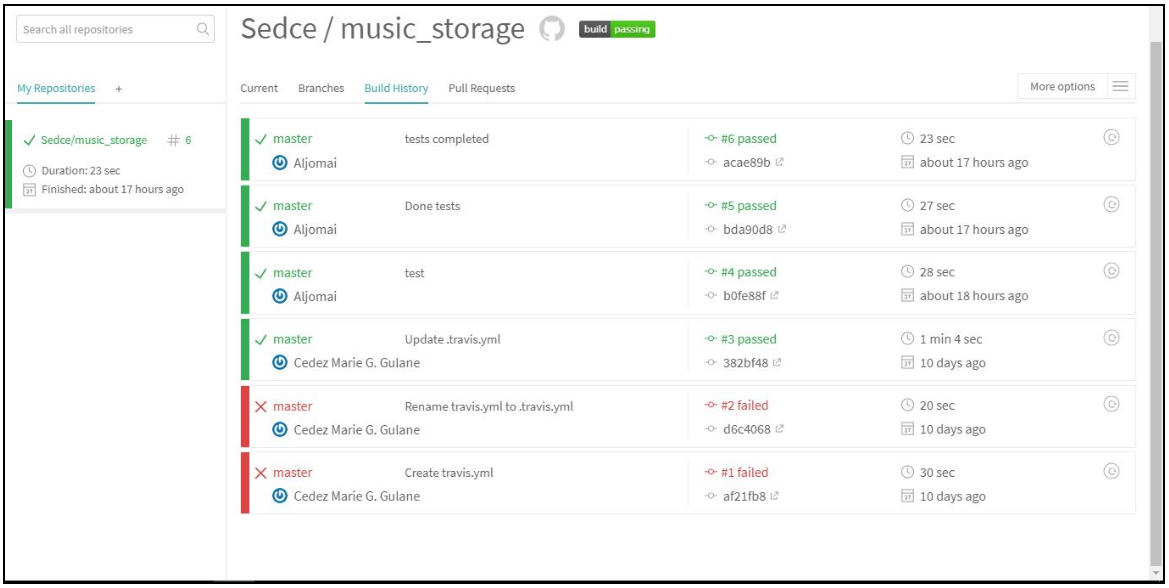


Contiguous Integration in Travis:

As a continuous integration platform, Travis CI supports your development process by automatically building and testing code changes, providing immediate feedback on the success of the change. Travis CI can also automate other parts of your development process by managing deployments and notifications.

CI Build and Automation in Travis:

When you run a build, Travis CI clones your GitHub repository into a brand new virtual environment, and carries out a series of tasks to build and test your code. If one or more of those tasks fails, the build is considered broken. If none of the tasks fail, the build is considered passed, and Travis CI can deploy your code to a web server, or application host.



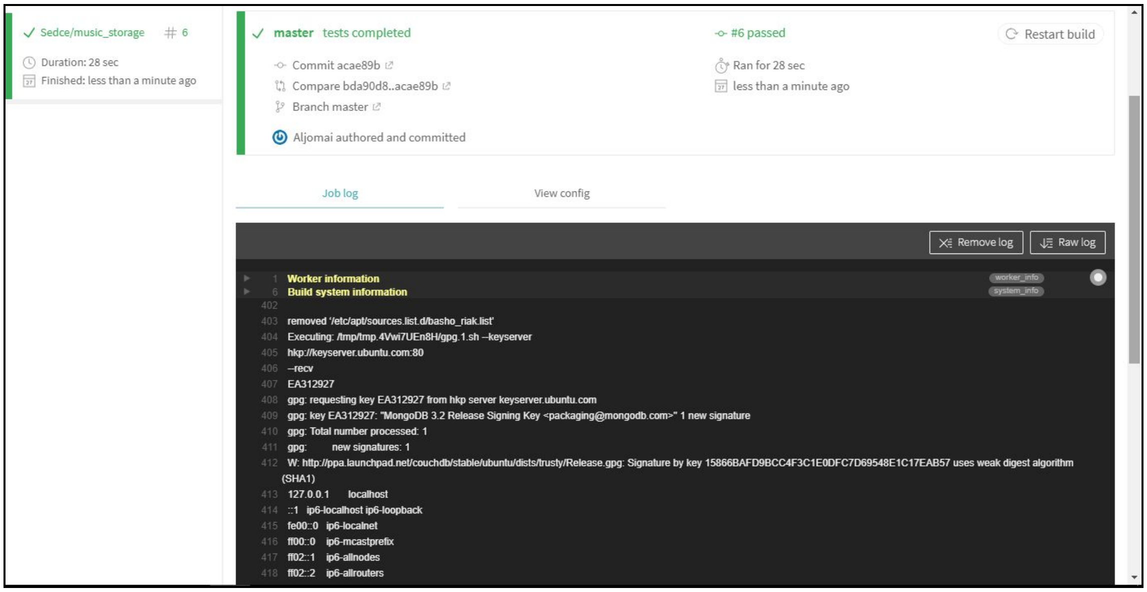
Sedce / music_storage

✓ Sedce/music_storage # 6
Duration: 23 sec
Finished: about 17 hours ago

✓ master Aljomai	tests completed	#6 passed acae89b	23 sec about 17 hours ago
✓ master Aljomai	Done tests	#5 passed bda90d8	27 sec about 17 hours ago
✓ master Aljomai	test	#4 passed b0fe88f	28 sec about 18 hours ago
✓ master Cedez Marie G. Gulane	Update .travis.yml	#3 passed 382bf48	1 min 4 sec 10 days ago
✗ master Cedez Marie G. Gulane	Rename travis.yml to .travis.yml	#2 failed d6c4068	20 sec 10 days ago
✗ master Cedez Marie G. Gulane	Create travis.yml	#1 failed af21fb8	30 sec 10 days ago

Automate unit tests.

- A code commit triggers the tests. Every time there are changes and we commit those changes to the repository in github Travis will automate those changes.



Duration: 28 sec
Finished: less than a minute ago

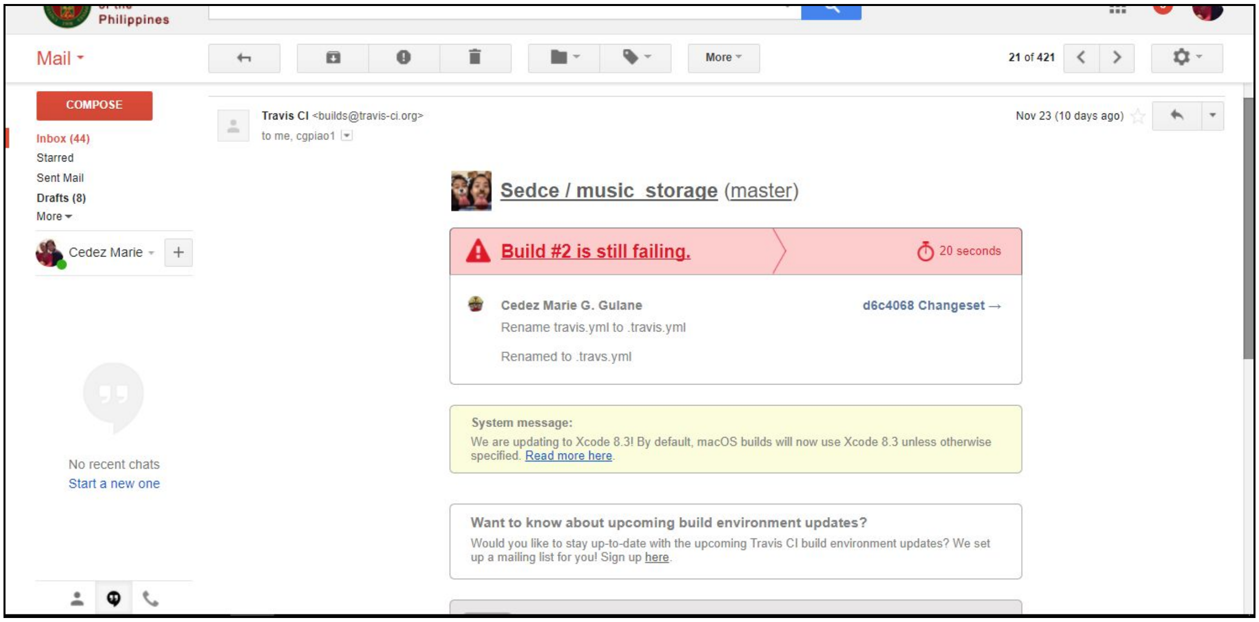
✓ master tests completed
Commit acae89b
Compare bda90d8..acae89b
Branch master
Aljomai authored and committed

#6 passed
Ran for 28 sec
less than a minute ago

```
Worker information
Build system information

removed '/etc/apt/sources.list.d/basho_riak.list'
Executing: /tmp/tmp.4Vwi7UEn8H/gpg.1.sh --keyserver
hkp://keyserver.ubuntu.com:80
--recv
EA312927
gpg: requesting key EA312927 from hkp server keyserver.ubuntu.com
gpg: key EA312927: "MongoDB 3.2 Release Signing Key <packaging@mongodb.com>" 1 new signature
gpg: Total number processed: 1
gpg:         new signatures: 1
W: http://ppa.launchpad.net/couchdb/stable/ubuntu/dists/trusty/Release.gpg: Signature by key 15866BAFD9BCC4F3C1E0DFC7D69548E1C17EAB57 uses weak digest algorithm
(SHA1)
127.0.0.1       localhost
::1   ip6-localhost ip6-loopback
fe00::0   ip6-localnet
ff00::0   ip6-mcastprefix
ff02::1   ip6-allnodes
ff02::2   ip6-allrouters
```

Broadcast test result.

- Email, IM, SMS, et cetera in our case, we use it to broadcast in our email.
- An example of an email sent by travis of our early commits, but the recent commits and automatic builds have been successful:



Travis CI <builds@travis-ci.org>
to me, cgpiao1
Nov 23 (10 days ago)

Sedce / music_storage (master)

Build #2 is still failing.
20 seconds

Cedez Marie G. Gulane
d6c4068 Changeset →
Rename travis.yml to .travis.yml

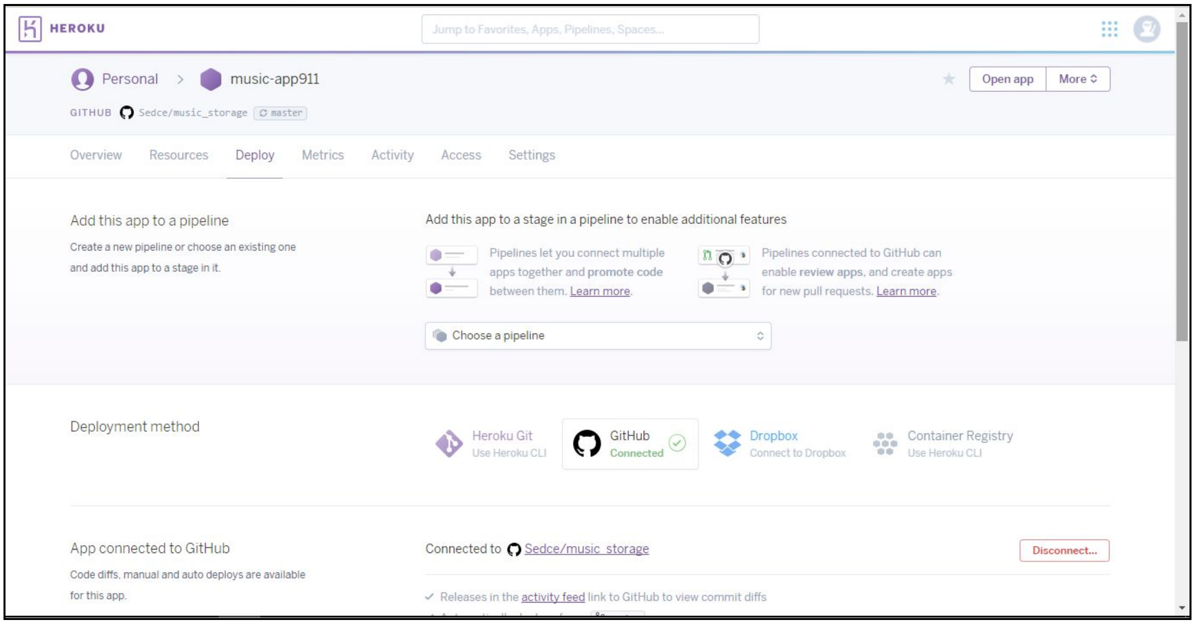
Renamed to .travs.yml

System message:
We are updating to Xcode 8.3! By default, macOS builds will now use Xcode 8.3 unless otherwise specified. Read more here.

Want to know about upcoming build environment updates?
Would you like to stay up-to-date with the upcoming Travis CI build environment updates? We set up a mailing list for you! Sign up here.

Deployment: Heroku

We created a repository in heroku containing our project then using the interface provided by heroku that allows connection between our repository in github so that when changes are done, as commits are seen in the interface of **Travis**, we can see the changes directly reflecting in the UI of our project. Important to take note, this is done just to show that changes are reflected directly but in real life situations this is not advisable.



Add this app to a pipeline

Create a new pipeline or choose an existing one and add this app to a stage in it.

Add this app to a stage in a pipeline to enable additional features

Pipelines let you connect multiple apps together and promote code between them. Learn more.

Pipelines connected to GitHub can enable review apps, and create apps for new pull requests. Learn more.

Choose a pipeline

Deployment method

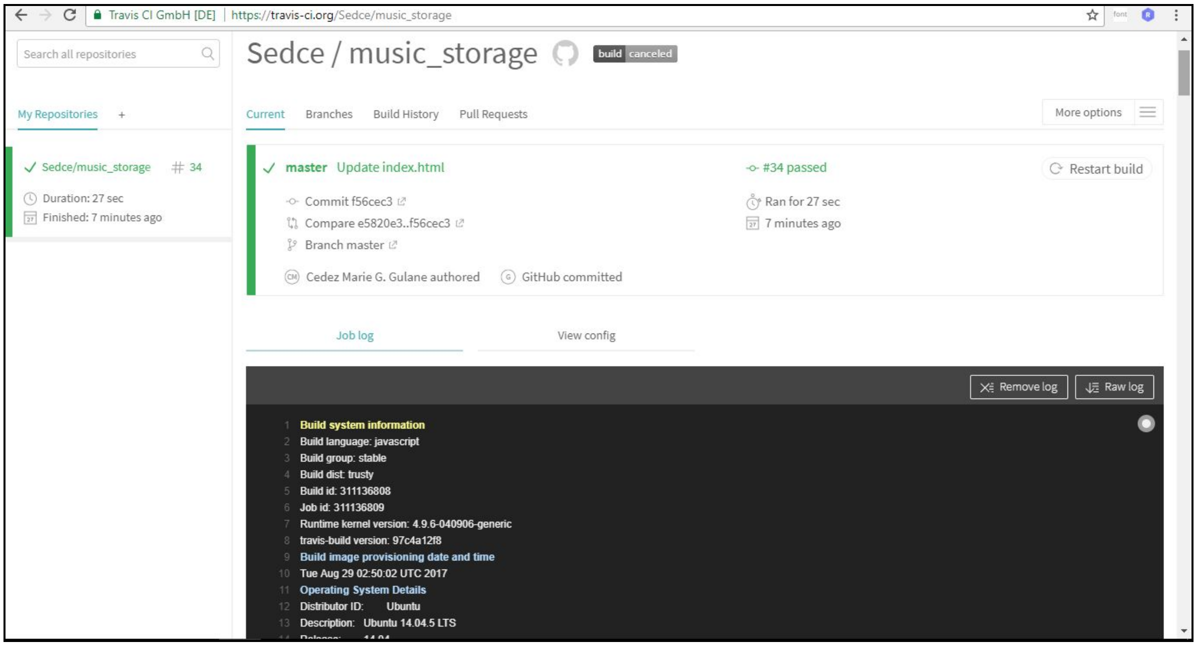
App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to Sedce/music_storage

✓ Releases in the activity feed link to GitHub to view commit diffs

For automatic deployment when committing to Github we used Travis



✓ Sedce/music_storage # 34

Duration: 27 sec

Finished: 7 minutes ago

✓ master Update index.html

#34 passed

Commit f56cec3

Compare e5820e3..f56cec3

Branch master

Ran for 27 sec

7 minutes ago

Cedez Marie G. Gulane authored

GitHub committed

```
Build system information
Build language: javascript
Build group: stable
Build dist: trusty
Build id: 311136808
Job id: 311136809
Runtime kernel version: 4.9.6-040906-generic
travis-build version: 97c4a12f8
Build image provisioning date and time
Tue Aug 29 02:50:02 UTC 2017
Operating System Details
Distributor ID:     Ubuntu
Description:   Ubuntu 14.04.5 LTS
Release:       14.04
```