

GreenCode Lab Challenge

The code explained

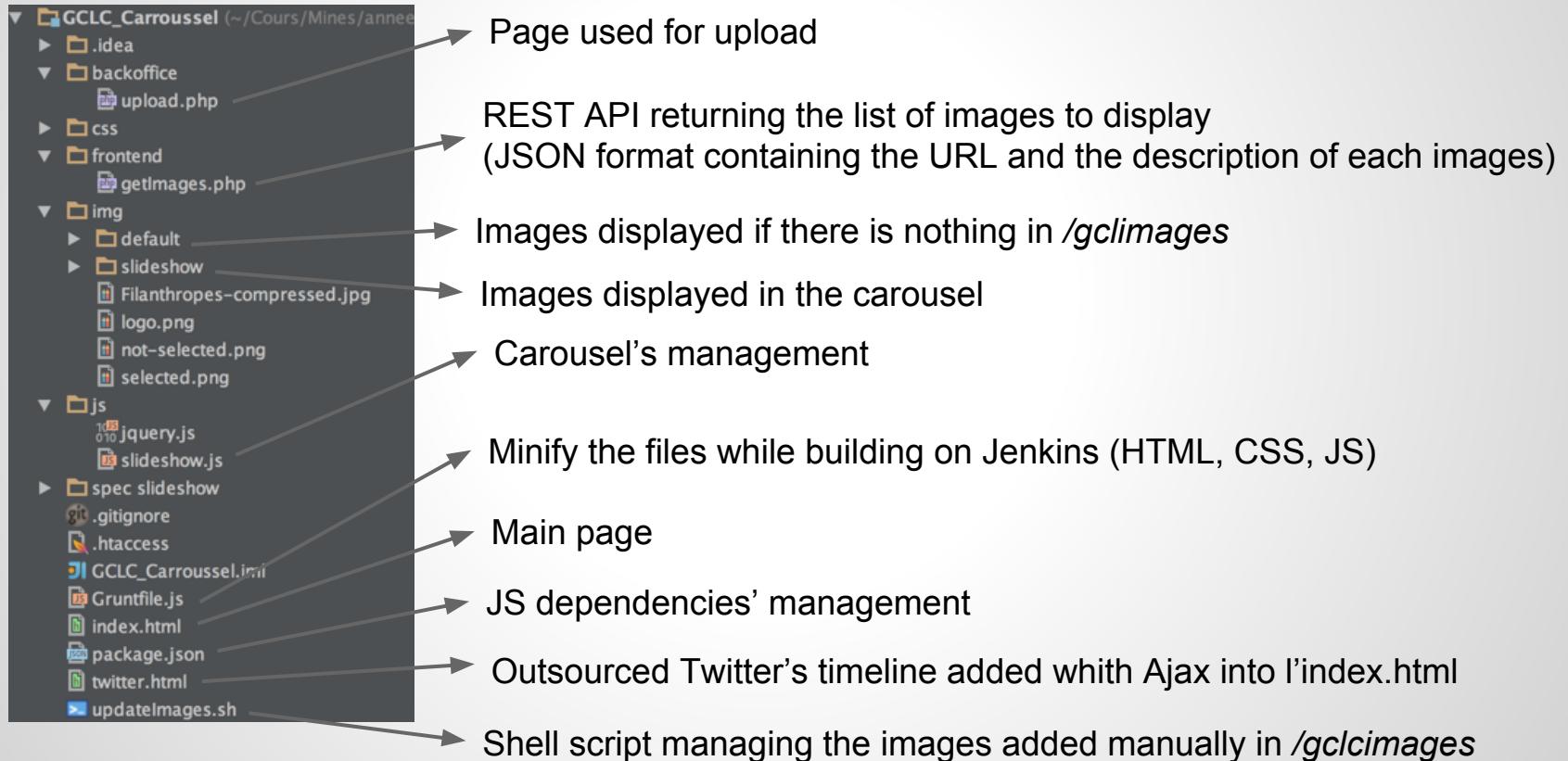
By **Mathieu Herbert, Matthieu Gutierrez, Mathieu Cartaud and Julien Déray**



The architecture



The architecture



Continuous integration



Dynamic loading

- The images are automatically loaded when they are called by the carousel
- 2 sizes of images (desktop / mobile)
- The Twitter's widget is loaded at last by Ajax

Hard added images' management

- Images can be added directly by the administrators in */glcimages*
- A **cron** launch a script every 30 secondes to compare if the images have been changed
- If so, the images are loaded then resized to 900x320 (desktop) and 320x128 (mobile)



Who will be the best Green developer in this latest edition ?

Eco-design software, is new. Your mission in the month before the contest is to make a short video explaining to a general audience the importance of the environment.

On your marks, Ready, Set, CODE !

The Green Code Lab Challenge is a unique opportunity for you to develop your skills set in ECO-CONCEPTION. Come and share the adventure.

Think action

What's hot on Twitter?

#GCLChallenge



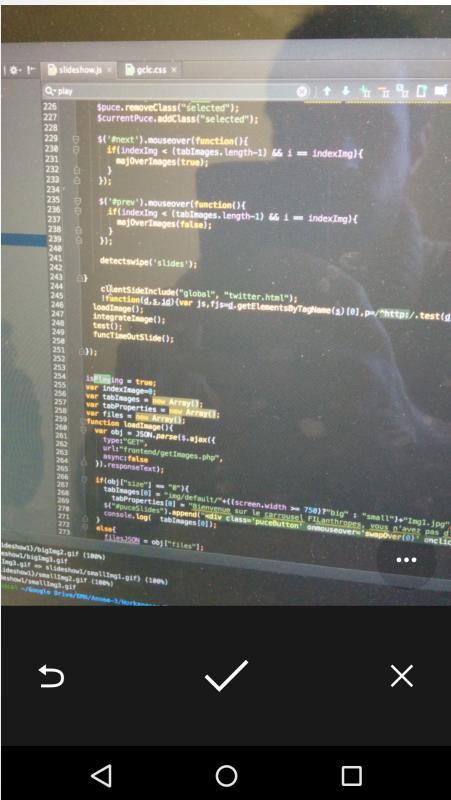
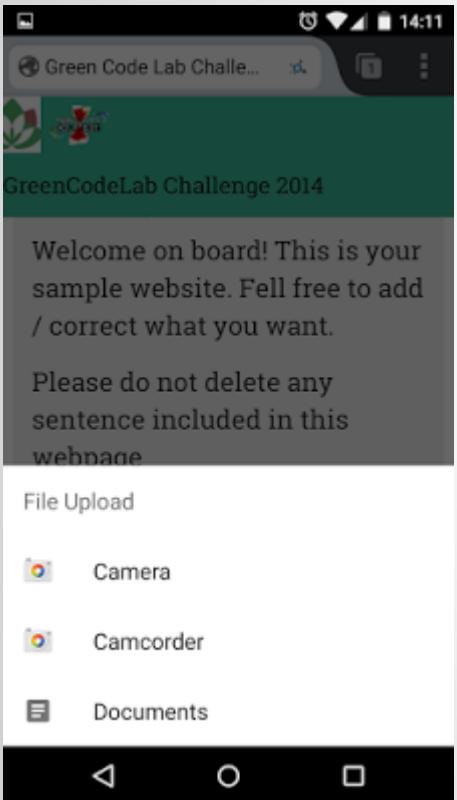
Green-Hornet @GreenHornet_GCL 2m
the last two hours!!! go crazy optimization!!! #GCLChallenge

Image by default

If there is no images in `/gclimages`, one is loaded by default.



Upload - mobile



GTMetrix

Latest Performance Report for:

<http://46.105.155.78/8dff9edbf/>

 [Download PDF](#)

Report generated: Fri, Nov 28, 2014, 6:30 AM -0800

Test Server Region: Vancouver, Canada

Using: Firefox (Desktop) 25.0.1, Page Speed 1.12.16, YSlow 3.1.8

Summary

Page Speed Grade:

(96%)[†]



YSlow Grade:

(94%)[†]



Page load time: 1.56s

Total page size: 113KB

Total number of requests: 11

Breakdown

[Page Speed](#)

[YSlow](#)

[Timeline](#)

[History](#)

RECOMMENDATION

GRADE

TYPE

PRIORITY

Leverage browser caching

D (62)



Server

High

Remove query strings from static resources

B (87)



Content

High

Specify a Vary: Accept-Encoding header

B (87)



Server

High

Defer parsing of JavaScript

A (92)



JS

High

Specify a character set early

A (95)



Content

High

Specify image dimensions

A (95)



Images

High

Minify CSS

A (99)



CSS

High