

Web Development (CRM) Internship

Assignment

Task 1

Description

Your colleague Lilli tasked you with implementing a HTML based In-App message that will be shown within the Runtastic app on iOS and Android.

The marketing team provided you with

- an image (header_image.jpg),
- a configuration file (2016-12-satellite-results-teaser.yml)
- and some screenshots (iOS *.png, android *.png) on how the final result should look like.

You will find these files here:

<https://drive.google.com/drive/folders/0Bz1ElcKtKrrIdG5SWUp1SUg1cWM>

Expectations of the end result, as it can be seen in the provided screenshots:

1. The message has to be responsive so it scales for many different devices, for example iPhone 4S, 5S, 7, 7 Plus, Galaxy S7.
2. The message should behave differently depending on whether it's shown on iOS or Android:
 - a. The close button should only be visible on iOS
 - b. The call to action button should look like a native button on both platforms
 - c. The call to action button should link to the platform specific link
 - d. The message should use the native fonts of the system
3. Keep the file size as small as possible in order to save bandwidth for mobile devices. Ideally the final product only has around 300 kb.
4. The message should contain texts in English.

Expected Outcome

Package all assets in a ZIP file containing an index.html and the asset files, and send it to Runtastic.

Task 2

Description

You figure out building such a message manually is quite boring and time consuming, if you're regularly given such an image and configuration file.

Therefore you decide to build a small transformation tool that uses the configuration file and an image folder to fill in the pieces of the In-App message template you already created for the previous task.

Expected Outcome

Script in language of choice that creates the final HTML, CSS, JS output based on the input files given.