Piscine iOS Swift - Rush 00

Events

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Summary: *This document contains the subject for Rush00 of the iOS Swift piscine of 42*

Contents

Chapter I

Intro

Here is what wikipedia can tell us about the site 4chan :

4chan, whose name comes from the Japanese Yotsuba Channel, is an anonymous English speaking forum, consisting of a network of image boards, modeled after the popular Japanese sites 2channel (created in 1999 by Hiroyuki Nishimura) and Futaba Channel. It has been online since October 1, 2003.

When it was created, one of the main objectives of 4chan (Yotsuba Channel) was to be a medium for discussions about anime, manga, doujinshi and the whole Japanese culture. However, the topics addressed by the users currently cover a much broader range, mainly due to the diversity of topics covered by the image boards present on the site. The French daily newspaper Le Monde describes it as "the troublemaker of the Web", "particularly controversial" for its functioning without information moderation, while Libération sees it as a site "that rubs shoulders with the worst (racism, homophobia, sexism) and the least worst (Internet meme, Anonymous)" – the latter being born on the site.

In 2012, it surpasses the Futaba Channel in terms of traffic. In the 2014 Alexa Internet ranking, 4chan is 995th worldwide and 492nd in the US.

In September 2015, after the departure of Christopher Poole in January, 4chan is taken over by the creator of 2channel, the Japanese Hiroyuki Nishimura.

Chapter II

Instructions

- Only this page will serve as reference. Do not trust rumors.

- Read attentively the whole document before beginning.

- This document can change up to an hour before submission.

- Your exercises will be corrected by your piscine colleagues.

- The document can be relied upon, do not blindly trust the demos which can contain unrequired additions.

- You will have to deliver an app every day (except for Day 01) on your git repository, where you deliver the file of the Xcode project.

- Here it is the official manual of Swift and of Swift Standard Library

- It is forbidden to use other libraries, packages, pods...before Day 07

- Got a question ? Ask your peer on the right. Otherwise, try your peer on the left.

- Think about discussing on the forum Piscine of your Intra !

- Use your brain!!!

The videos on Intra were produced before Swift 3. Remove the prefix "NS" which you see in front of the class/struct/function in the code in the videos in order to use them in Swift 3.

Intra indicates the date and the hour of closing for your
repositories. This date and hour also corresponds to the beginning
of the peer-evaluation period for the corresponding piscine day.
This peer-evaluation period lasts exactly 24h. After 24h passed,
your missing peer grades will be completed with 0.

Chapter III

Introduction

This weekend you have to work in groups to do this rush. Try to work together and share your knowledge to move forward. You can, of course, split the tasks in order to go faster.

You will make a client application for the 42 events. 42 provides you with an API that allows you (among other things) access to the school events.

Your application should function globally like all other calendar events, it should allow consulting events by kind, localisation (campus in our case) and obviously subcribe or unsubcribe events etc...

Here is the documentation of the API.

You have 2 days to do this rush, so make an application that is functional, ergonomic and pretty !

Chapter IV

Part 1 : Connection

For part 1, your application must contain these features :

- Connecting to the **42 API** with your **login** and **password**

- Being able to disconnect

- Viewing basic current logged user infos : **first name**, **last name**, **login**,**photo**, and the current **level** for each user cursuses.

- Viewing the upcoming **events** filterable by **kind**, **campus** and/or **cursus** with :

  - Name

  - Description

  - Max subscribers

  - Actual number of subscribers

  - Location

  - Kind

  - Duration

  - Begin time

  - End time

Chapter V

Part 2 : Modification

For part 2, your application must contain these features :

- Being able to **subscribe** to an event : **if and only if** it's actually possible.

- Being able **if possible** to **unsubscribe** a currently subscribed event.