



iOS Swift Piscine - Rush 00

Events

Summary: This document contains the subject of the Rush 00 for the iOS Swift piscine of [42](#)

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Chapter I

Preamble

Here is what Wikipedia has to say about 4Chan:

4chan is an anonymous English-language imageboard website. Launched by Christopher Poole in October 2003, the site hosts boards dedicated to a wide variety of topics, from anime and manga to video games, music, literature, fitness, politics, and sports, among others.

The site was created as a counterpart to the Japanese image board Futaba Channel, also known as 2chan,[6] and the first boards were created for posting images and discussion related to anime. 4chan has been described as a hub of Internet subculture, with 4chan's community being influential in the formation and spread of prominent Internet memes, including lolcats, Rickrolling, and rage comics, as well as activist and political movements, such as Anonymous and the alt-right.

In 2012, its traffic exceed Futaba Channel's one. Based on Alexa Internet, as of August 2014, 4chan is rated 995th visited site globally and 492nd in the US.

In September 2015, after Christopher Poole's step down, Hiroyuki Nishimura, 2chan-creator, takes charge of 4chan.

Chapter II

Instructions

- Only this page will serve as reference. Do not trust rumors.
- Read attentively the whole document before beginning.
- Your exercises will be corrected by your piscine colleagues.
- The document can be relied upon, do not blindly trust the demos which can contain not required 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 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 a 0.

Chapter III

Introduction

This weekend, you will work on that rush as a group. Try to work together, share your knowledge. Of course, you can also divide the tasks between each other to make it faster.

You will create a client application for 42's events. 42 provides an API that gives you (among other things) access to the school's events.

Your application will basically have to do what any event platform does. Check events by type, location (the campus, in our case) and of course, register or unregister, etc...

Here is the API's documentation: [.](#)

You have 2 days to complete this rush. Time to achieve an operational, handy and pretty application!

Chapter IV

Part 1: Login

For the first part, your application must contain these features:

- Logging to the **42's API** with your **login** and **password**
- Being able to log out
- See the basic informations of the logged-in user: **surname**, **name**, **login**, **picture**, and the current **level** for each of their syllabus.
- See the coming **events** sorted out by **type**, **campus** and/or **syllabus** with:
 - Name
 - Description
 - Maximum number of guests
 - Current number of registered guests
 - Localisation
 - Type
 - Duration
 - Starting time
 - End time

Chapter V

Part 2: Modification

For the second part, your application will contain these features:

- Being able to **register** to an event: **if and only if** it is currently possible.
- Being able **if possible** to **unregister** to an event to which the user is currently registered.