Piscine iOS Swift - Day 09

Personnal Diary

Maxime LEMORT mlemort@student.42.fr
42 Staff pedago@42.fr

Summary: *This document contains the subject for Day 09 for the „Piscine iOS Swift" from 42*

Contents

Chapter I

Foreword

Here you have the summary of Victor Hugo's novel, The Last Day of a Condemned Man :

   The novel presents itself as the journal of a man condemned to death, written during the last twenty-four hours of his existence, in which he recounts his experiences from the beginning of his trial to the time of his execution, about six weeks of his life. This story, a long inner monologue, is interspersed with anxious reflexions and memories of his other life, the "life before". The reader knows neither the name of this man nor for what he was condemned, apart from the sentence: " I, wretch, who has committed a true crime, who has shed blood ! ". The work is presented as a raw testimony, at the same time on the anguish of the condemned to death and his last thoughts, on the daily moral and physical sufferings that he undergoes and on the living conditions of the prisoners, for example in the chaining of convicts scene. He expresses his feelings regarding his previous life and his states of mind....
   He will be executed under the clamor of people who see his death as a spectacle.

Chapter II

General Instructions

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

- Read carefully the whole subject before beginning.

- Watch out! This document could potentially change up to an hour before submission.

- This project will be corrected by humans only.

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

- You will have to submit one app every day (except for Day 01) on your git repository, submit the folder 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, etc. before Day 07

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

- You can discuss on the Piscine forum of your Intra !

- By Odin, by Thor ! 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

Dear Diary,

Today I will make a personal diary application ! And who says personal means secure. No one will be able to consult it except for me since it will only open with my digital fingerprint or my password thanks to the framework **LocalAuthentication** ! I will be able to write **Articles** with a title, a content, a date and even add photos taken with the camera ! And since I am nice, I will make it available in several languages.

It will be too good ! With this new application I could get rid of you and throw you on the chemney fire.

Chapter IV

Exercise   00 : The first brick

	Exercice : 00

The first brick
Files to turn in : `.xcodeproj, the pod of d08 and all necessary files`
Allowed functions : `Swift Standard Library, UIKit`
Notes : `n/a`

I'll just start by reusing the pod I did yesterday.

It is essential for my application since this pod allows me to store the **Articles** on my device and it even allows me to retrieve them !

It is quite possible to import a pod from a folder in my **Podfile**, so I will not deprive myself of it.
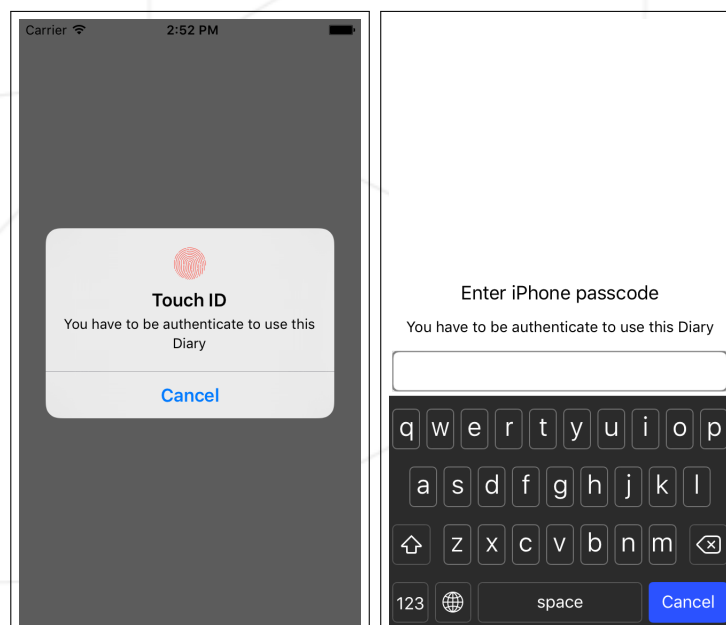
Chapter V

Exercise 01 : Paper Please

![icon]	Exercice : 01

Paper Please
Files to turn in : `.xcodeproj, the pod of d08 and all necessary files`
Allowed functions : `Swift Standard Library, UIKit, LocalAuthentication`
Notes : `n/a`

Now I will just make a first authentication view.

The application must ask me to authenticate myself with the **TouchID** if available or with the password if not. As long as authentication fails, it should start over.

Once authenticated, the view from the next exercise should appear.

Chapter VI

Exercise 02 : Turn the page

	Exercice : 02
	Turn the page
Files to turn in : `.xcodeproj, the pod of d08 and all necessary files`	
Allowed functions : `Swift Standard Library, UIKit, LocalAuthentication`	
Notes : `n/a`	

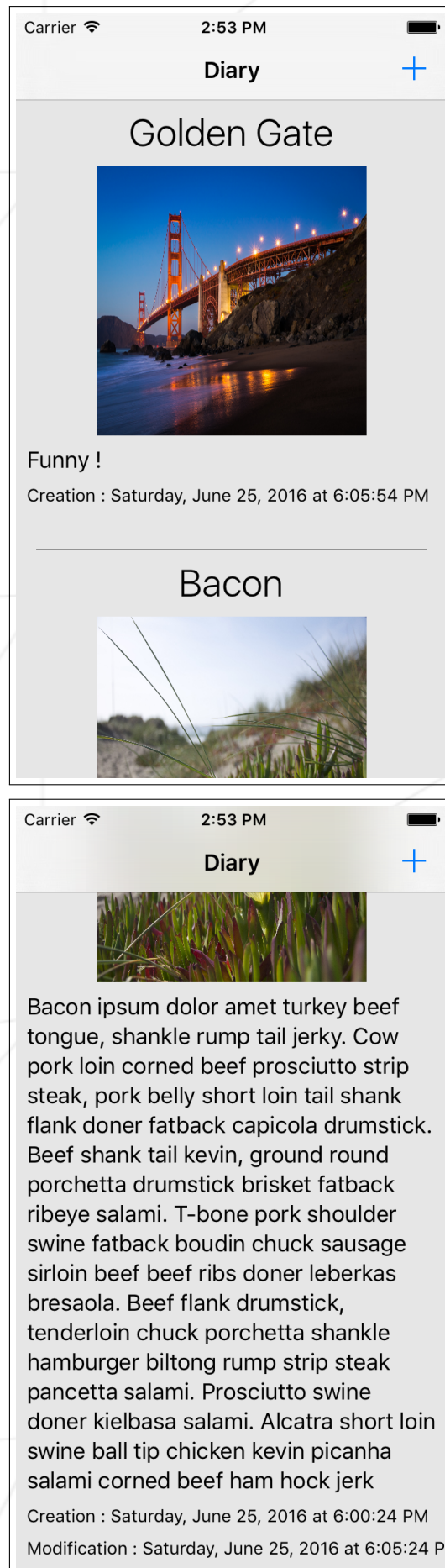Now that I made sure I was the one using the application, I can display all the **Articles** present on the device.

I already know the music : **TableView**, **CustomCells**, **Automatic Cell Height**, **blablabla**...

I just have to be careful not to forget anything :

- Title

- Photo

- Content

- Creation date

- Modification date if it is different from the creation date

> I have to display only the `Articles` saved in the current language of the device.

Carrier 🗢   2:53 PM   ▬

Diary   +

Golden Gate

Funny !

Creation : Saturday, June 25, 2016 at 6:05:54 PM

Bacon

Carrier 🗢   2:53 PM   ▬

Diary   +

Bacon ipsum dolor amet turkey beef tongue, shankle rump tail jerky. Cow pork loin corned beef prosciutto strip steak, pork belly short loin tail shank flank doner fatback capicola drumstick. Beef shank tail kevin, ground round porchetta drumstick brisket fatback ribeye salami. T-bone pork shoulder swine fatback boudin chuck sausage sirloin beef beef ribs doner leberkas bresaola. Beef flank drumstick, tenderloin chuck porchetta shankle hamburger biltong rump strip steak pancetta salami. Prosciutto swine doner kielbasa salami. Alcatra short loin swine ball tip chicken kevin picanha salami corned beef ham hock jerk

Creation : Saturday, June 25, 2016 at 6:00:24 PM

Modification : Saturday, June 25, 2016 at 6:05:24 PI

Chapter VII

Exercise 03 : RTVA

	Exercice : 03
	RTVA
Files to turn in : `.xcodeproj, the pod of d08 and all necessary files`	
Allowed functions : `Swift Standard Library, UIKit, LocalAuthentication`	
Notes : `n/a`	

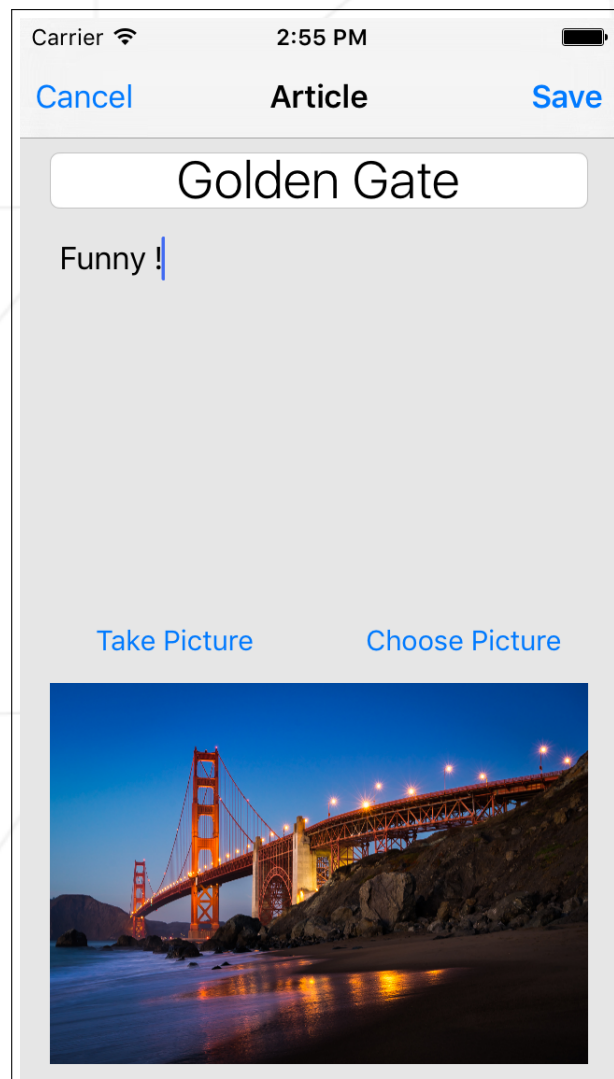It's good to be able to view the **Articles**, but I have to find a way to add new ones.

I know ! I will add a **NavigationBar** with a title and a **BarButton** that will send me to a view to add an **Article**.

In this new view, all the elements needed to add a new **article** will be present, plus a button for saving and returning to the previous view.

For the Photo, I should have the option to either choose one from the photos on the phone or to take one with the camera.

> ⚠ Well, I obviously have to check that the articles are saved on the device. When I exit the application and restart it, all the articles should be there.

Chapter VIII

Exercise 04 : Oups

	Exercice : 04
	Oups
Files to turn in : .xcodeproj, the pod of d08 and all necessary files	
Allowed functions : Swift Standard Library, UIKit, LocalAuthentication	
Notes : n/a	

During testing I made a mistake in one **article** I saved !

I'll have to implement the ability to edit an **article** in the application.

I found something really good ! When I click on an **article** in the **TableView** the same view from the previous exercise is loaded with all the fields to be filled. I just have to correct my errors and save. I didn't even have to add another view with code.
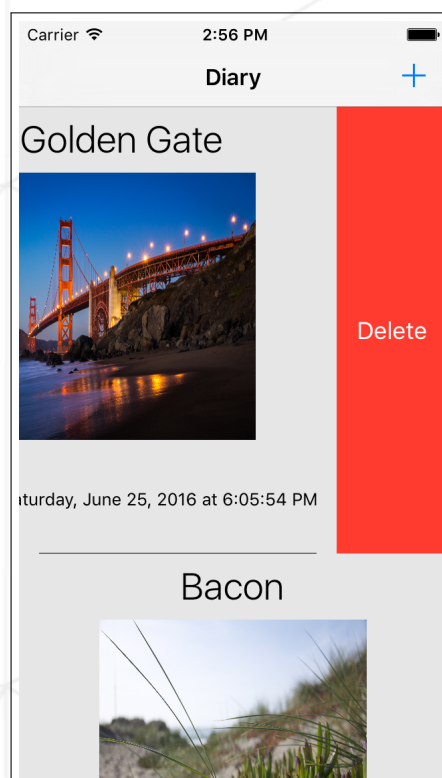
Chapter IX

Exercise 05 : Tear the page

	Exercice : 05
	Tear the page

Files to turn in : `.xcodeproj, the pod of d08 and all necessary files`

Allowed functions : `Swift Standard Library, UIKit, LocalAuthentication`

Notes : `n/a`

No, finally this **article** does not please me.

In some applications, I saw that one could **Swipe** the Cells to make a menu appear. I'll use that to delete an **article** !

Chapter X

Exercise 06 : Translation

	Exercice : 06
	Translation
Files to turn in : `.xcodeproj, the pod of d08 and all necessary files`	
Allowed functions : `Swift Standard Library, UIKit, LocalAuthentication`	
Notes : `n/a`	

Now that I made the application in English, I just translated it into French for myself.

> ⚠ I have to be careful to change the language of the simulator in order to check that all the Strings are translated, except for the use entries.

Chapter XI

Exercise 07 : Ninja

	Exercice : 07
	Ninja
Files to turn in : `.xcodeproj, the pod of d08 and all necessary files`	
Allowed functions : `Swift Standard Library, UIKit, LocalAuthentication`	
Notes : `n/a`	

If I haven't closed my application and it keeps running in the background, some one else could open it and have access ! I have to find a way for the application to not run in the background.