



Piscine iOS Swift - Rush 01

Plan 42

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*Summary: This document contains the subject for Rush01 of the „Piscine iOS Swift”
from [42](#)*

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Chapter I

Intro

Les voyages en train - *Grand Corps Malade*

I believe that love stories are like train travel,
And when I see all these travelers sometimes I'd like to be one of them,
Why do you think so many people are waiting on the station platform,
Why do you think we're so afraid to arrive late.

Trains often start when least expected,
And the love story takes you under the helpless eyes of witnesses,
The witnesses are your friends who say goodbye on the platform,
They watch the train go away with a worried smile,
You too wave at them and imagine their comments,
Some think that you are wrong and that you don't have your feet on the ground,
Each one of them has his prognosis on the length of the trip,
For most, the train will derail from the first storm.

Great love necessarily changes your behavior,
From the first day, you have to choose your compartment,
Aisle or window seat, you have to find the right place,
You choose if it's a first or second class love story.

For the first kilometers, you only have eyes for her face,

You don't take into account the parade of landscapes outside the window,
You feel alive, you feel light, you do not see the time pass,
You feel so good that you almost want to hug the conductor.

But the magic only lasts for a while and your story is on the rocks,
You tell yourself that you have nothing to do with it and that it is her own fault,
The roar of the train makes you drunk and every turn sickens you,
You must get up and walk to stretch your heart.

And the train slows down and it is already the end of your story,
Besides, you were a jerk, your friends remained at the other station,
You say goodbye to the one whom you will now call your ex,
In her diary, she'll put a little white-out on your name.

It's true that love stories are like train travel,
And when I see all these travelers sometimes I'd like to be one of them,
Why do you think so many people are waiting on the station platform,
Why do you think we're so afraid to arrive late.

For many, life comes down to trying to get on the train,
To know what love is and to discover each other full of enthusiasm,
For many the goal is to arrive at the right time,
To have a successful trip and access to happiness.

It's easy to catch a train, still one needs to take the good one,
I boarded two or three trains but it wasn't the right wagon,
Because the trains are whimsical and some are inaccessible,
And I don't think it's always possible with the French national railway company.

There are those for whom the trains are always on strike,
And their love stories only exist in their dreams,
And then there are those who rush into the first train without paying attention,
But inevitably they will get off disappointed at the next station,
There are those who are terrified of commitment because they are too emotional,
For them, it's too risky to cling to the locomotive,
And then there are the adventurers who take trip after trip,
Once a story is over they attack another page.

After my only real trip, I suffered for months,
We parted by mutual agreement, but she was more in agreement than I,
Since I hang out at the platform, I look at the trains departing,
There are doors that open, but in a train station I feel left out.

It seems that train travel ends badly in general,
If that's the case for you hang on and be strong,
For one thing is certain, there will always be a terminus,
Now you are warned, the next time you will take the bus.

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

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 GPS application.

Your application should function globally like any other GPS device: **geolocation**, **address search**, **route to the desired location**.

You can use any pods you want.

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

Chapter IV

Instructions

Your application must contain these features :

- Geolocating the mobile phone
- Finding an address and displaying its location on a map
- Displaying the route on the map if desired. With the choice of departure and destination.
- Your application must be fun to use. The user must know what is happening at all times.