



# Piscine Mobile - 3

## Design

*Summary: This document contains the subject for Module 03 of Piscine Mobile.*

*Version: 1.2*

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# Chapter I

## Instructions

- If you have problems installing the tools needed for your project on the 42 computers, you can use a virtual machine. In this case, you will have to :
  - install the virtual machine software on your computer.
  - install the operating system of your choice.
  - install the tools needed for your project.
  - Make sure you have the space on your session to install all of this.
  - You must have everything installed before the evaluation.
- 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 or pictures example which can contain not required additions.
- Got a question? Ask your peer on the right. Otherwise, try your peer on the left.
- By Odin, by Thor ! Use your brain !!!



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 II

## Specific Instructions

In this module, you will continue developing your project from the previous module. As in the previous module, for clarity and to avoid confusion, you will copy your previous project into a new folder and continue working on it.

# Chapter III

## Introduction

Congratulations! You have completed the previous module and have a working app. Now it's time to make it more visually appealing and functional!


You are free to choose any design you want, as long as you follow the constraints imposed by the subject.



The choice of a color palette is important for any application. While this will not be graded, it's worth noting that the theme of an application is rarely chosen at random.

# Chapter IV

## Exercise 00: Search bar

	Exercise :
Search bar	
Turn-in directory : <code>mobileModule03</code>	
Files to turn in : <i>advanced_weather_app</i> and all necessary files	
Forbidden functions : None	

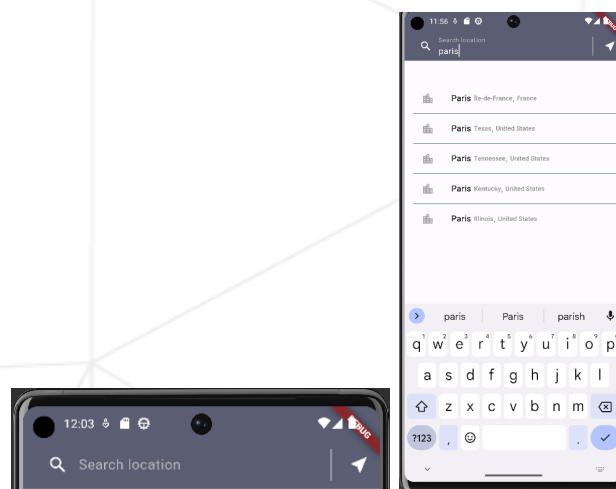
Let's start with the search bar!

The search bar and the list of suggestions should be visually appealing and easy to see.

Ensure that the geolocation button is also clearly visible.


- The user must understand the purpose of the search bar and what they are searching for.
- You should not display more than 5 suggestions at the same time.
- The city name should be clearly visible.

Refer to the following image for an idea of what we are aiming for:



# Chapter V

## Exercise 01: Background

	Exercise :
Background	
Turn-in directory : <code>mobileModule03</code>	
Files to turn in : <i>advanced_weather_app</i> and all necessary files	
Forbidden functions : None	

Choose a background image for your app.


It must follow these rules:

- It must be relevant to your app.
- It should not obstruct the display of information.
- It must cover the entire screen.
- When switching between tabs, the background must remain fixed and should not change.

Your background should not be duplicated—it should be present once at the base of your application and visible throughout.

# Chapter VI

## Exercise 02: Current weather

	Exercise :
Current weather	
Turn-in directory : <code>mobileModule03</code>	
Files to turn in : <i>advanced_weather_app</i> and all necessary files	
Forbidden functions : None	

Now it's time to display your tabs with the data you have collected.  
Start with the current weather tab.

You need to display the following information:

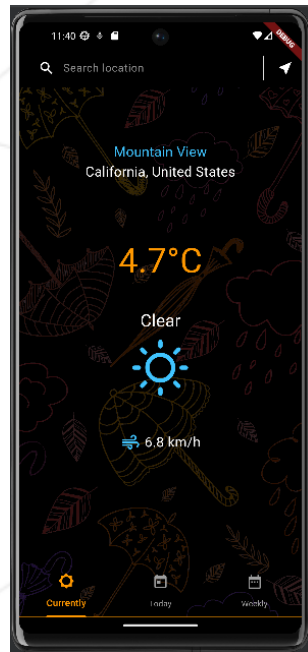
- The location (city name, region, and country)
- The current temperature.
- The current weather description.
- The current weather icon.
- The current wind speed.

All information must be clearly visible and well-placed.  
Ensure the user can easily see the information at a glance.

Users should not need more than 3 seconds to understand what the application is displaying.




Refer to the following image for an example of what we are aiming for:



# Chapter VII

## Exercise 03: Today's weather

	Exercise :
Today's weather	
Turn-in directory : <code>mobileModule03</code>	
Files to turn in : <i>advanced_weather_app</i> and all necessary files	
Forbidden functions : None	

Now, let's focus on the "Today" tab!

In this tab, you will display the weather conditions for the current day.

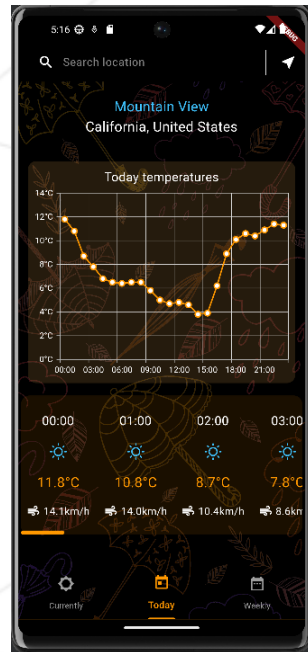
Using the data you have collected, display the following information:

- The location (city name, region, and country)
- A chart with a temperature curve for the day.
- A list containing the following details:
  - The time of day.
  - The temperature.
  - The weather condition (icon or text).
  - The wind speed.

Specific rules:


- The chart must display the hours and temperature.
- The list must be scrollable.

Refer to the following image for an example of what we are aiming for:



# Chapter VIII

## Exercise 04: Weekly weather

	Exercise :
Weekly weather	
Turn-in directory : <code>mobileModule03</code>	
Files to turn in : <i>advanced_weather_app</i> and all necessary files	
Forbidden functions : None	

Now, the final tab, “Weekly” tab!

In this tab, you will display the weather conditions for the next 7 days.

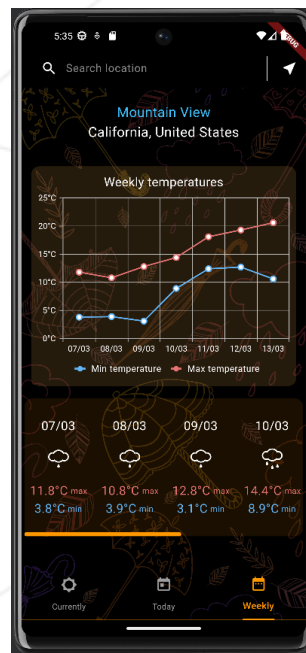
Using the data you have collected, display the following information:

- The location (city name, region, and country)
- A chart with two curves: one for the minimum temperature and one for the maximum temperature for each day.
- A list containing the following information for each day:
  - The day of the week.
  - The minimum temperature.
  - The maximum temperature.
  - The weather condition (icon or text).

Specific rules:

- The chart must display the days of the week along with the min/max temperatures.
- The list must be scrollable.

Refer to the following image for an example of what we are aiming for:



# Chapter IX

## Submission and peer-evaluation

Turn in your assignment in your `Git` repository as usual. Only the work inside your repository will be evaluated during the defense. Don't hesitate to double check the names of your folders and files to ensure they are correct.



The evaluation process will happen on the computer of the evaluated group.