Piscine Mobile - 3

Design

Summary: *This document contain the subject for the Module03 of the Piscine Mobile.*

Version: 1.00

Contents

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 evolve again your project from the previous module. As of the previous module, for more clarity and to avoid confusion, you will copy your previous project in a new folder and work on it.

Chapter III

Introduction

So ! You have finished the previous module and you have a working app. Now it's time to make it prettier and more functional !

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

> The choice of the graphic palette is important for an application. This will not be evaluated, BUT it should be imprortant to know that the theme of an application is rarely chosen at random.

Chapter IV

Exercise 00: Search bar

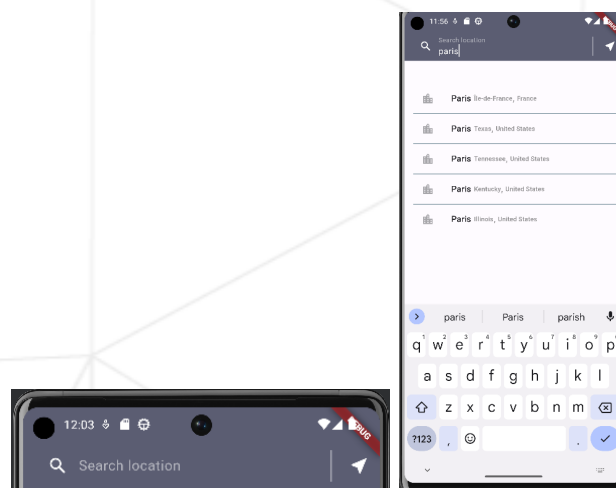|	Exercise :
	Search bar
Turn-in directory : Module03	
Files to turn in : *weather final_proj* and all necessary files	
Forbidden functions : None	

We start by the search bar!
You need to have a good looking and a good visibility of the search bar and the list of suggestions.

Tou can also have a good visibility of the geolocalisation button.

- The user must understand what the search bar is for and what to look for.

- You must not have more than 5 suggestions at the same time.

- The city name should be clearly visible.

You can have a look at the following image to have an idea of what we are looking for.

Chapter V

Exercise 01: Background

	Exercise :
	Background
Turn-in directory : `Module03`	
Files to turn in : *weather final_proj* `and all necessary files`	
Forbidden functions : `None`	

Choose a background image for your app.
It must respect the following rules:

- It must relevant to your app.

- It should not be obstructive for the display of the information.

- It must be display on the whole screen.

- When you switch from one tab to another, the background must not change and must remain fixed

Your background should not be duplicated, it is only present at the base of your application and should be visible everywhere.

Chapter VI

Exercise 02: Current weather

	Exercise :
	Current weather
Turn-in directory : `Module03`	
Files to turn in : *weather final_proj* `and all necessary files`	
Forbidden functions : `None`	

It's time to display correctly your tabs with the data you have collected.
You start by the current weather tab.
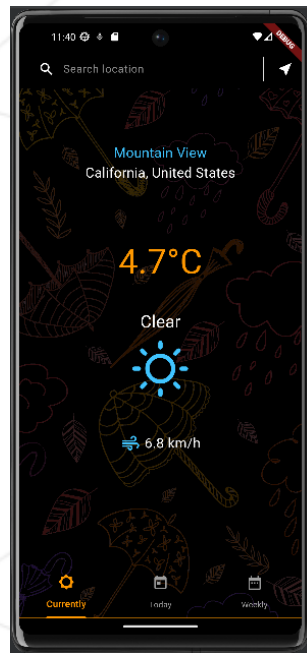
You need to display the following information:

- The location (city name, region and country)

- The current temperature.

- The current weather description.

- The current weather icon.

- The current wind speed.

All the information must be clearly visible and must be well placed.
You need to make them visible at first glance.

The user should not spend more than 3 seconds to understand what the application
is displaying.

You can have a look at the following image to have an idea of what we are looking for.

Chapter VII

Exercice 03: Today's weather

	Exercise :
	Today's weather
Turn-in directory : `Module03`	
Files to turn in : *weatherfinal_proj* `and all necessary files`	
Forbidden functions : `None`	

The Today's weather tab!
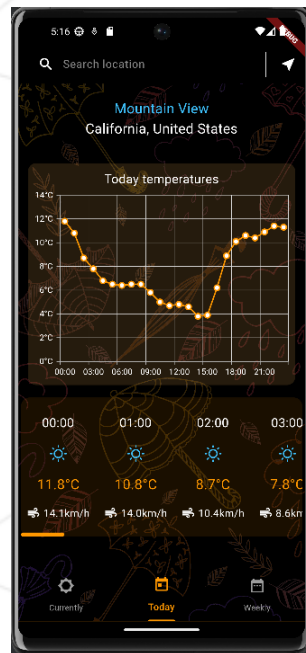For this tab you need to display the weather condition for the current day.

with the data you have collected, you need to display the following informations:

- The location (city name, region and country)

- A chart with curve for the temperature for the day.

- A List with the following information:

  - The time of the day.

  - The temperature.

  - The weather condition (icon or text).

  - The wind speed.

Specific rules:

- The chart display the hours and the temperature.

- The list must be scrollable.

You can have a look at the following image to have an idea of what we are looking for:

Chapter VIII

Exercice 04: Weekly weather

	Exercise :
	Weekly weather
Turn-in directory : `WeatherApp`	
Files to turn in : $weatherplus_proj$ `and all necessary files`	
Forbidden functions : `None`	

And the last tab, the Weekly weather tab!

For this tab you need to display the weather condition for the next 7 days.
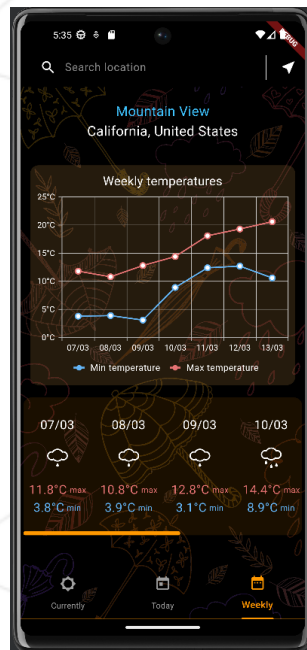
With the data you have collected, you need to display the following informations:

- The location (city name, region and country)

- A chart with 2 curve: one for the minimum temperature and one for the maximum temperature for each day.

- a List with 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 display the days of the week and the min/max temperature.

- The list must be scrollable.

You can have a look at the following image to have an idea of what we are looking 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.