



# Piscine Mobile - 4

## Auth and dataBase

*Summary: This document is the subject for the Module04 of the Mobile piscine.*

*Version: 1.00*

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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

To start this module, you will have to create a new projectApp named “diaryapp” in a new repository named “Module04”.

This project continues in the next module.

Your new application will be a diary application.  
It will allow you to create, read, and delete diary entries.  
The diary is protected by an authentication system.


All the entries will be stored in a database.

In this Module you will have to create the base of you application with the Auth system and the database.

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# Chapter III

## Exercise 00: Login page

	Exercise :
Login page	
Turn-in directory : Module04	
Files to turn in : diaryapp and all necessary files	
Forbidden functions : None	

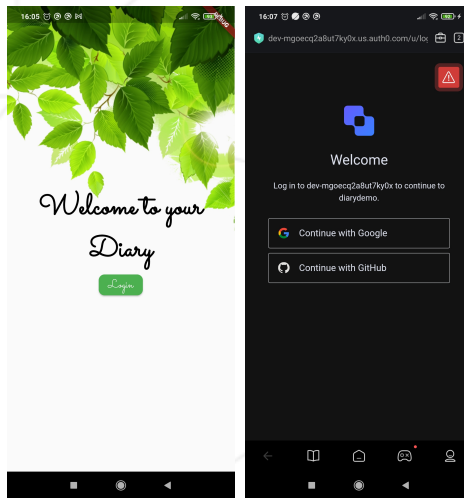
You can start by the login page.

In this page, you need to have :

- A login button that redirects to an authentication page or to the diary page if the user is already logged in.
- User can log with google or github account.

You must choose an Authentication system where you can store and manage users. You can use an Auth system like Firebase, AWS etc.


So for your diary app, you need to have an login page something like this :



For this project we have use Auth0 as an Auth system.

# Chapter IV

## Exercise 01: Progfile page

	Exercise :
Profile page	
Turn-in directory : Module04	
Files to turn in : diaryapp and all necessary files	
Forbidden functions : None	

The nest page you need to create is the profile page.

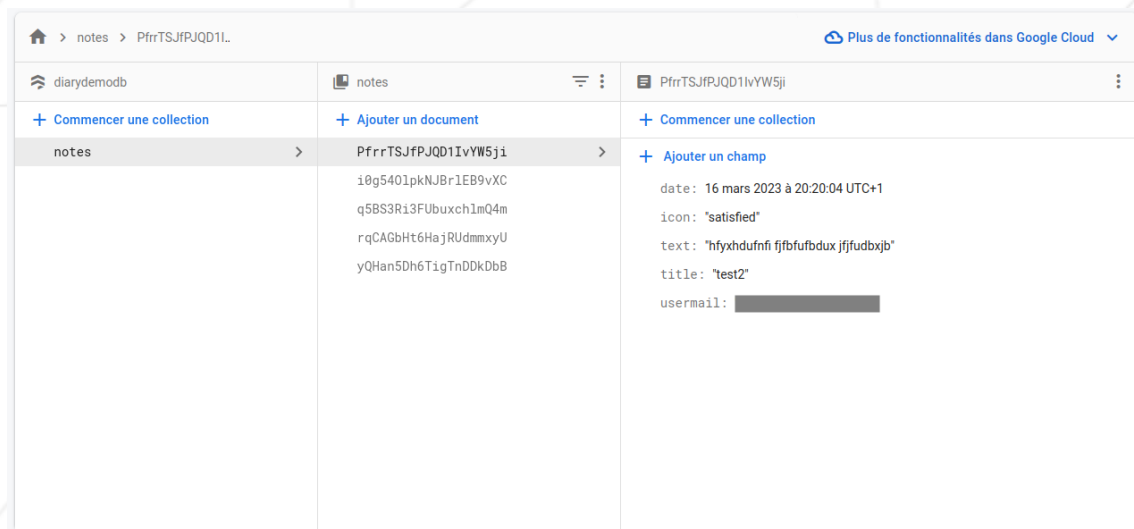
This page should be accessible only if the user is logged in.  
The auth system have redirect the user to this page after the login or if the user is already logged in.

Before create the page you need to create a database where you can store all the diary entries.

In this database, you need to have :

- The user mail address.
- The date of the entry.
- The title of the entry.
- the feeling of the day.
- The content of the entry.

Your database should look like this :



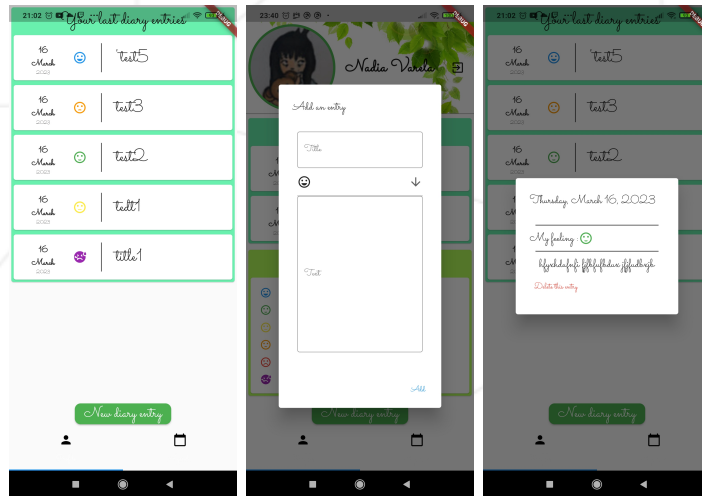
You must be able to create, read and delete entries.  
So you must create the logic for this.  
So for now you need to create a profile page with:

- A list of all the entries.
- A button to create a new entry.
- When you tap on an entry, you can read the entry.
- A button to delete an entry.

When you create a new entry, your list must be updated.  
When you delete an entry, your list must be updated.



Your profile page should look like this :



For the evaluation, you must create an google account where you can store lot of entries.



For this project we have use Firebase as a database.