

Accounts

1. Features

What will the app contain ?

- ☒ Login => Password (Encrypted) *Page*
 - ☐ Create an account *Page*
 - ☐ Create a savings account *Page*
 - ☐ Create a bills account *Page*
 - ☐ To input data in these accounts *Page*
 - ☐ Category system that will include a tree organisation of the categories
 - ☐ To have summury feedback (Balance and then per month the revenues and expencies + details if wanted *button detail*) *Page*
 - ☐ To have a global feedback of all accounts *Page*
 - ☐ A menu to switch pages
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2. The futur possible upgrades

- ☐ To be able to add an account from an Excel container
 - ☐ To access directly data of an account through an API
 - ☐ To incorporate AI to help speed things up
 - ☐ An admin acces to manage the users
 - ☐ Mapping of errors with displaying on the page => modif de la page err404 en error puis param : nbr
 - ☐ Forgotten password
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3. Architecture

The project will be implemented with a **MVC** (Model View Controller) architecture.

Acces to the pages will be done by a **Router**

A **Interaction Handler** will manage the feedback to the user regarding the small messages

The views engine will be **Plates**

4. Login

The goal of the page is to offer security to the user's data and a way to access it

Features

- ☒ A field for the user name *form*
- ☒ A field for the password *form*
- ☐ A link if the password was forgotten *page* and then *action* for later

- ☒ A link to register *page*

The DB Scheme :

users			
VARCHAR(50)	id	PK	
VARCHAR(100)	name		NOT NULL UNIQUE
VARCHAR(256)	hash		NOT NULL

5. Accounts

The purpose of those pages is to add accounts of different types

Features

- ☐ A field for the name of the account
- ☐ A field for the level of categories

The DB Scheme :

users			
VARCHAR(50)	id	PK	
VARCHAR(100)	name		NOT NULL UNIQUE
VARCHAR(256)	hash		NOT NULL

transactions			
VARCHAR(50)	id	PK	
VARCHAR(50)	id_user	FK	
DATE	date		NOT NULL
VARCHAR(100)	title		
DATE	bank_date		
INT	amount		NOT NULL

categories			
VARCHAR(50)	id	PK	
VARCHAR(50)	name		NOT NULL

transactions_categories			
VARCHAR(50)	id_transaction	FK	
VARCHAR(50)	id_categorie	FK	

6. Data analysis (summary feedback)

The aim of this page is to have a list of the accounts and then to be able to access one and to add data or to check the summary

Features

- ☐ Home Page with the account list *page*
- ☐ A *view* which can be parameterized to
 - ☐ add data
 - ☐ remove data
 - ☐ edit data
 - ☐ summarize data per month and balance
- ☐ A style CSS with the options summary, input on the left

7. The categories system

Intended to organize the categories of the expenses and the incomes

Features

- ☐ A input method for each level of categorie (For instance, a subcategory is a level 2 category)
- ☐ A graph feedback to see in form of a chart the categories => Maybe *mermaid*