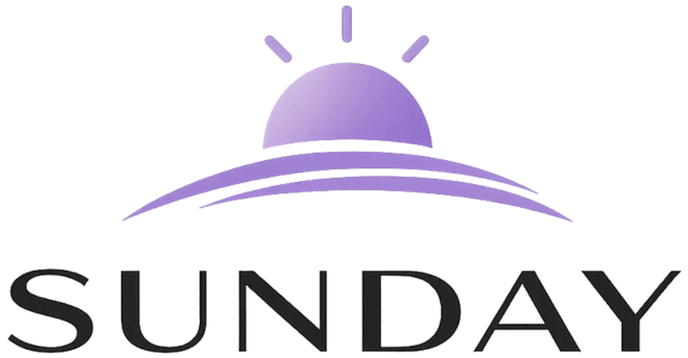
SUNDAY

SAE3 project BUT computing

S3.01 Development of an application



IUT Nantes

XXXX - LAURENS Thibaud - YYYY

PROBLEM

- Tired of looking through tons of website when shopping?
- Wish you could find any product on one website ?

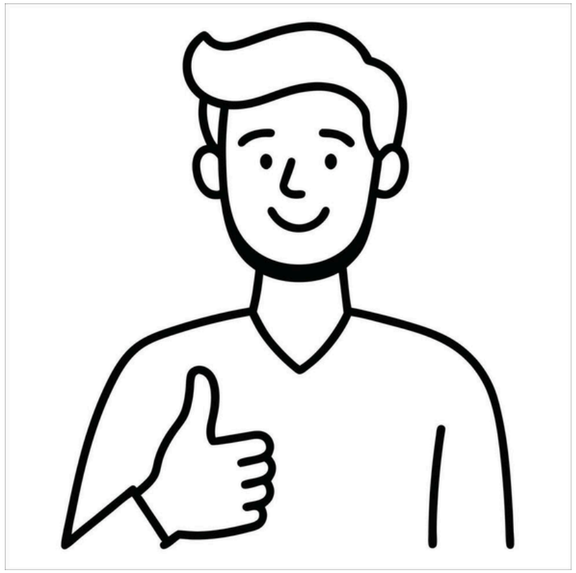


PROBLEM

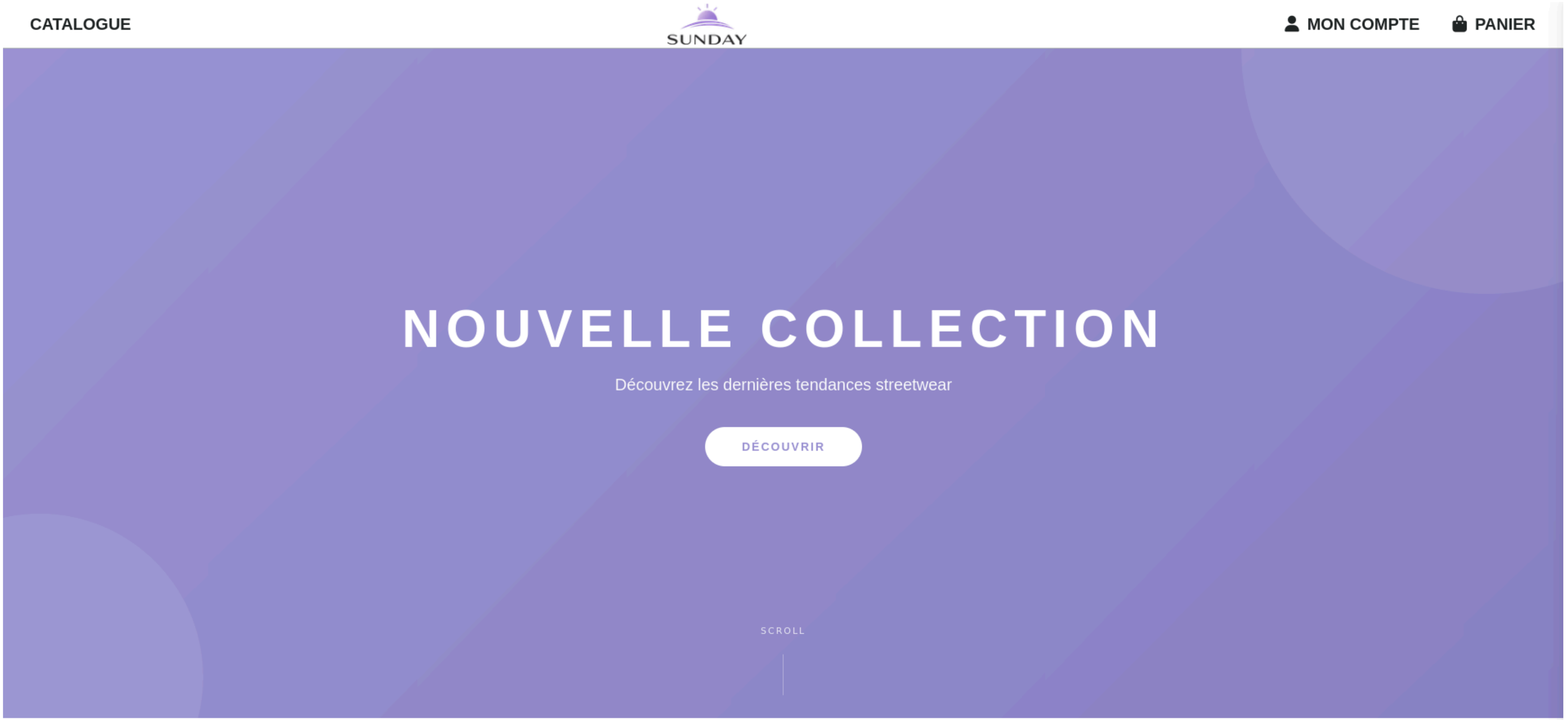
- Tired of looking through tons of website when shopping?
- Wish you could find any product on one website ?

All your favorite brands on **one website** :

SUNDAY



SOLUTION


CATALOGUE
SUNDAY
MON COMPTE
PANIER
NOUVELLE COLLECTION
Découvrez les dernières tendances streetwear
DÉCOUVRIR
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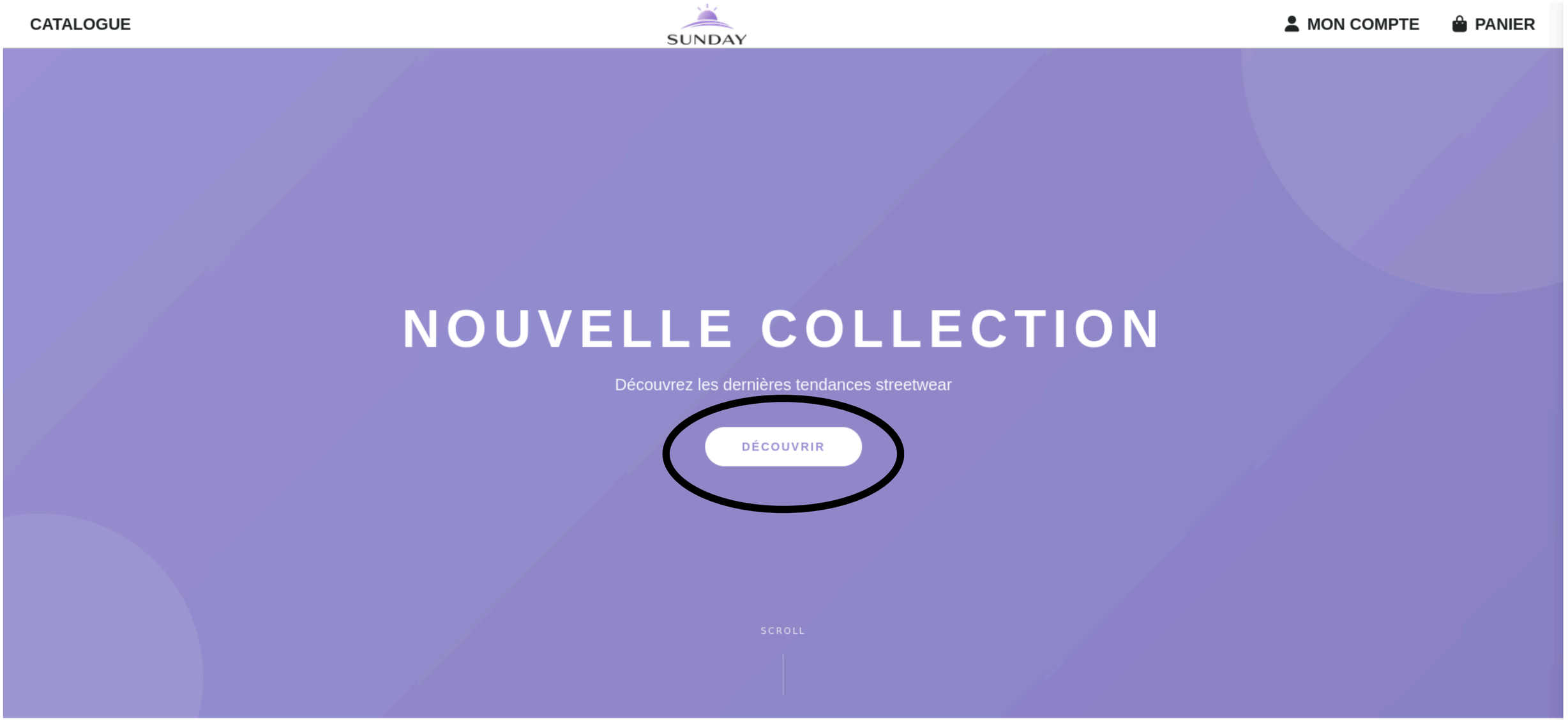
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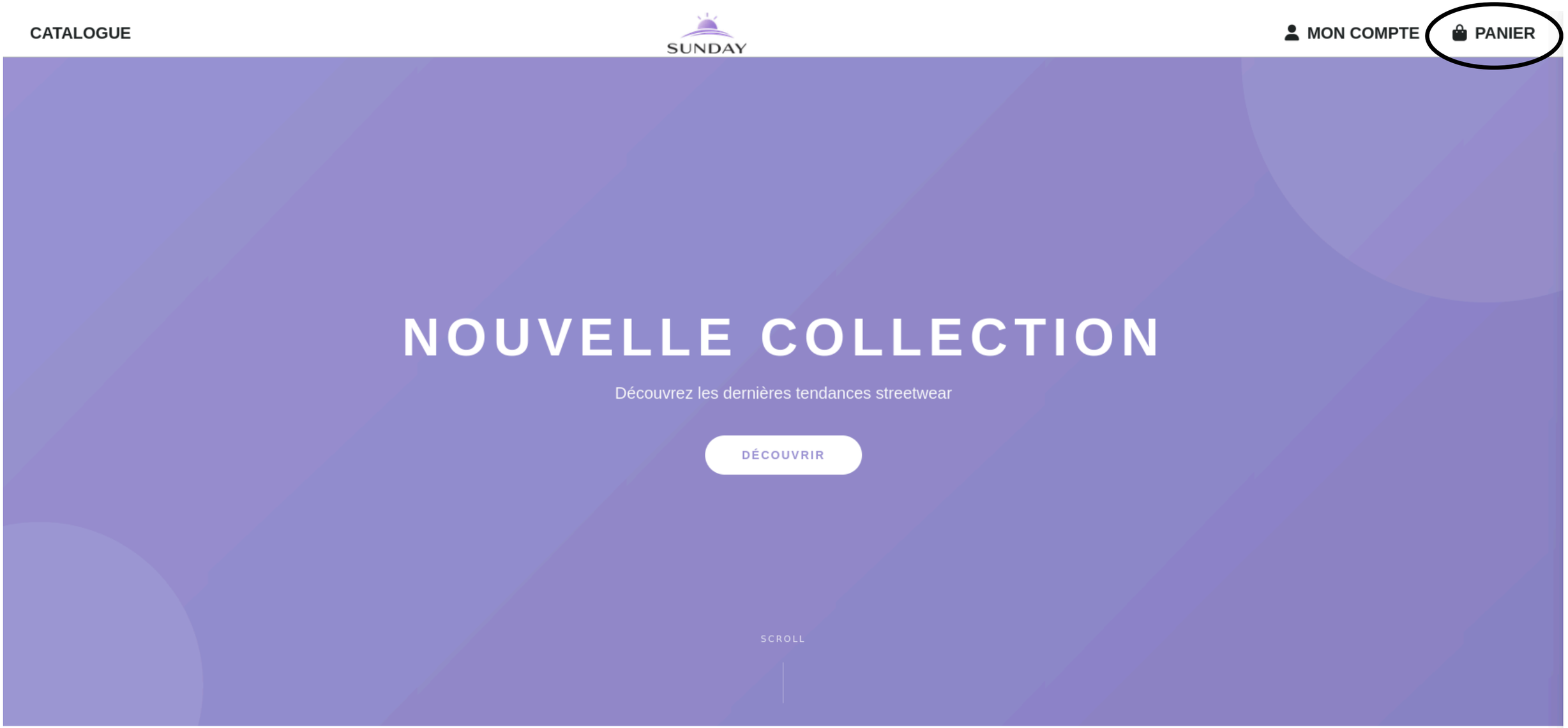
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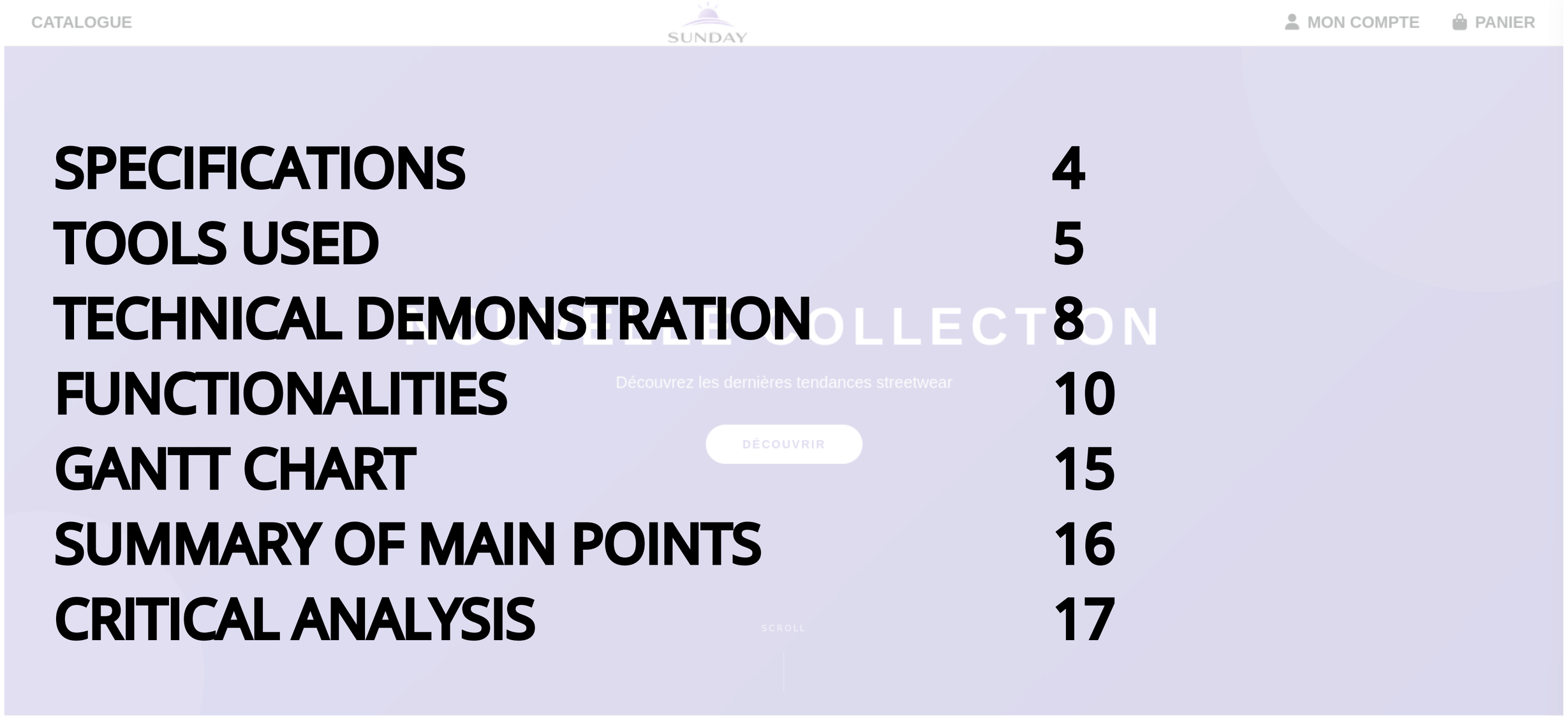

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SPECIFICATIONS

What does the system do?

The clients can...

→ register and manage their account
→ use the catalog's filters to find items
→ manage their cart
→ buy products from the catalog
→ cancel and track their orders

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→ cancel and track their orders

The employees can...

→ manage items & catalog
→ manage orders
→ manage customers accounts

The administrators can ...

→ manage every user account

TOOLS USED

Programming languages

Front end : HTML, CSS, JavaScript → Done by Aron

Back end : PHP → Done by everyone

Database : SQL → Done by Lina and Thibaud





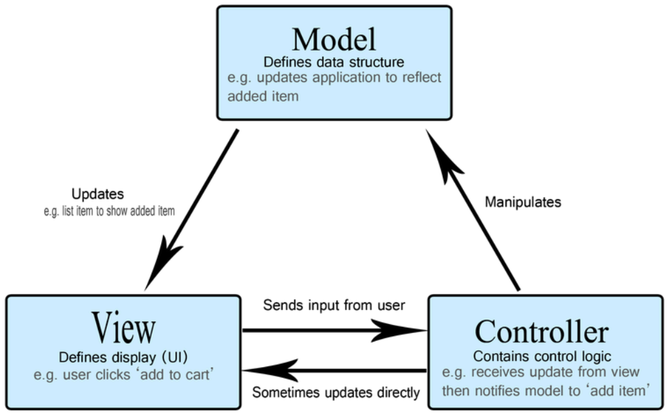


TOOLS USED

Framework

CodeIgniter4

Uses the architectural pattern Model-View-Controller (MVC)



Defines the structure of the project and creates customisable functionnalities (integrated Database, Apache2 server, etc.)

→ Set up by Thibaud

TOOLS USED

Design pattern

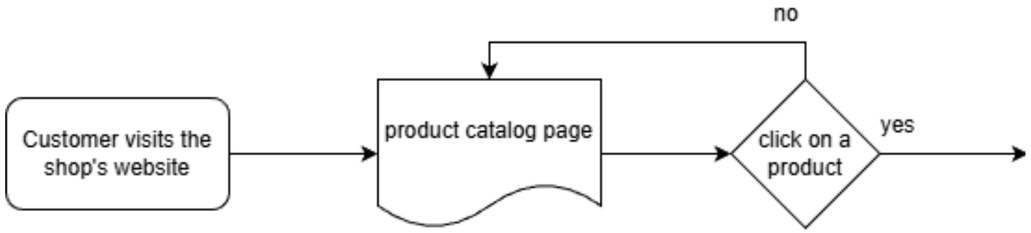
Factory : creates different type of users (Client, employee)

Strategy : manage the login client-related and employee-related

Facade : manage the different tasks related to creating an order

TECHNICAL DEMONSTRATION

Ecommerce checkout user flow



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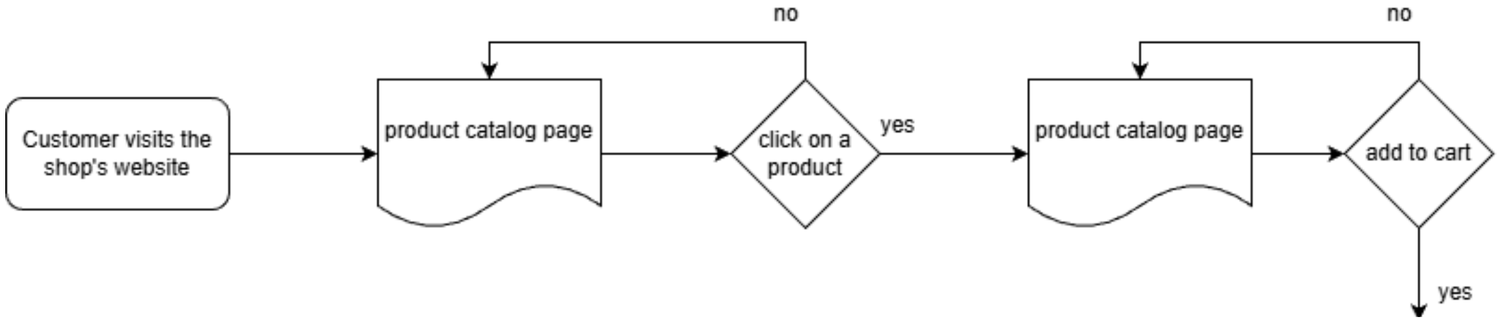

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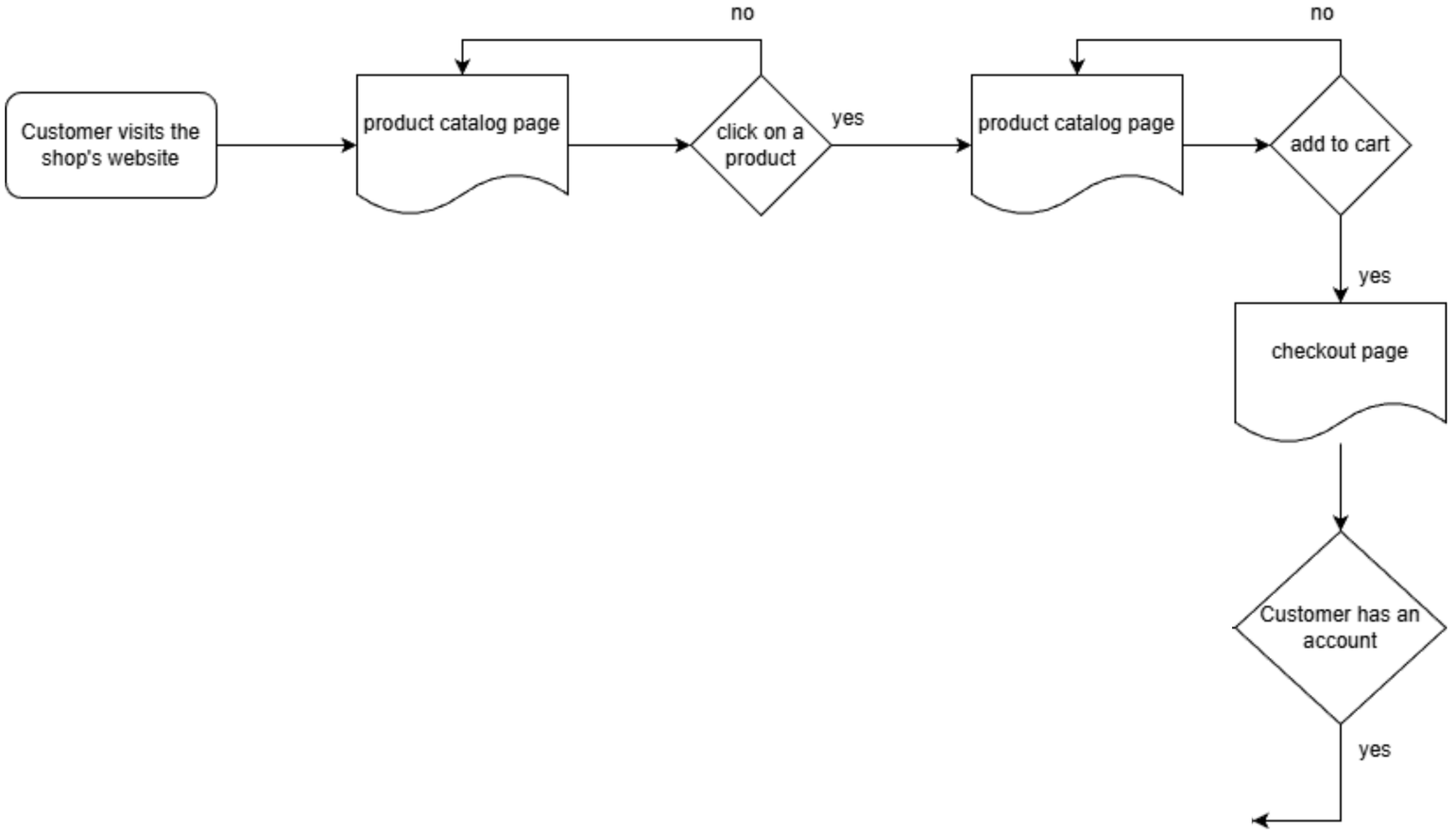

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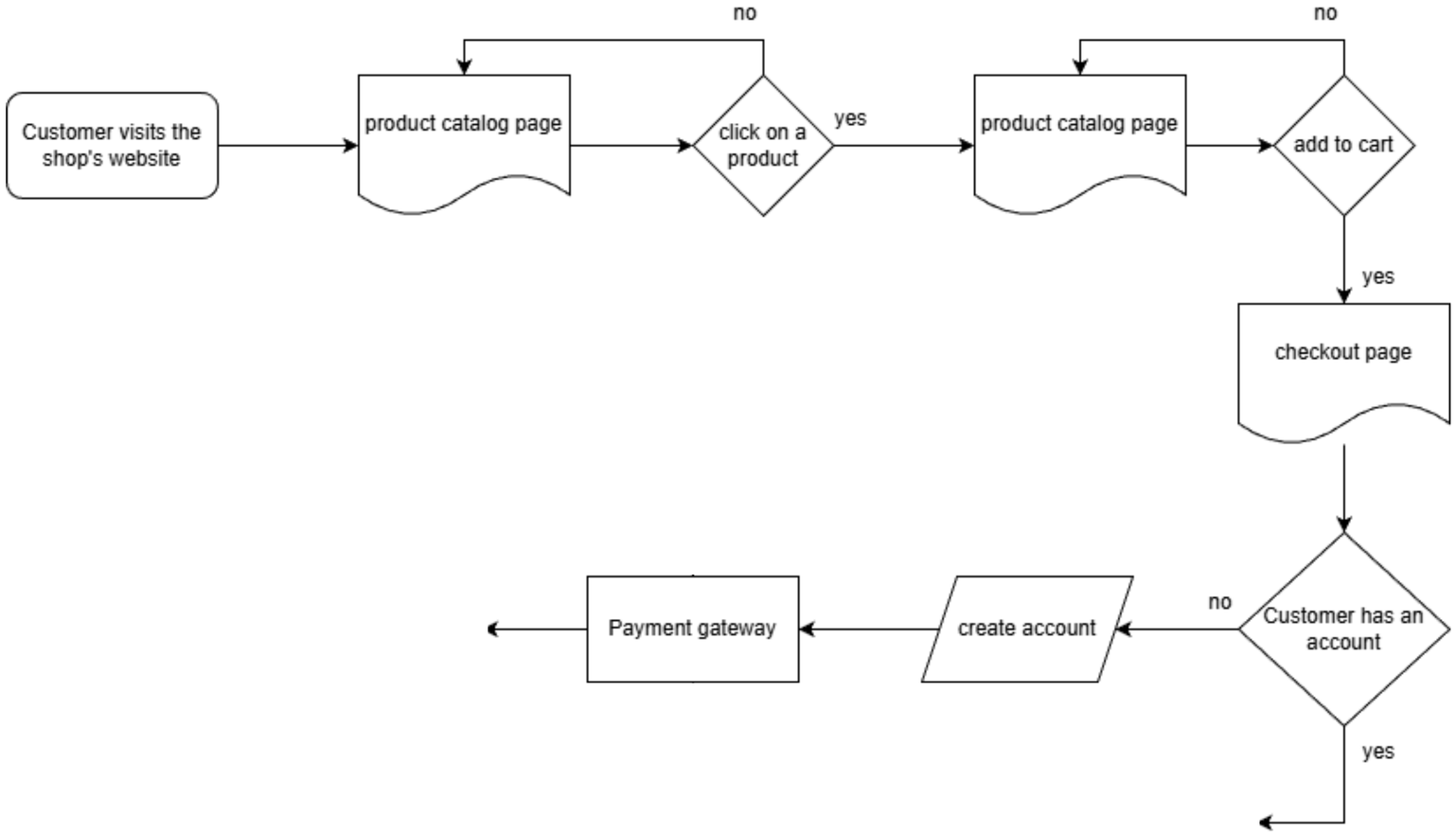

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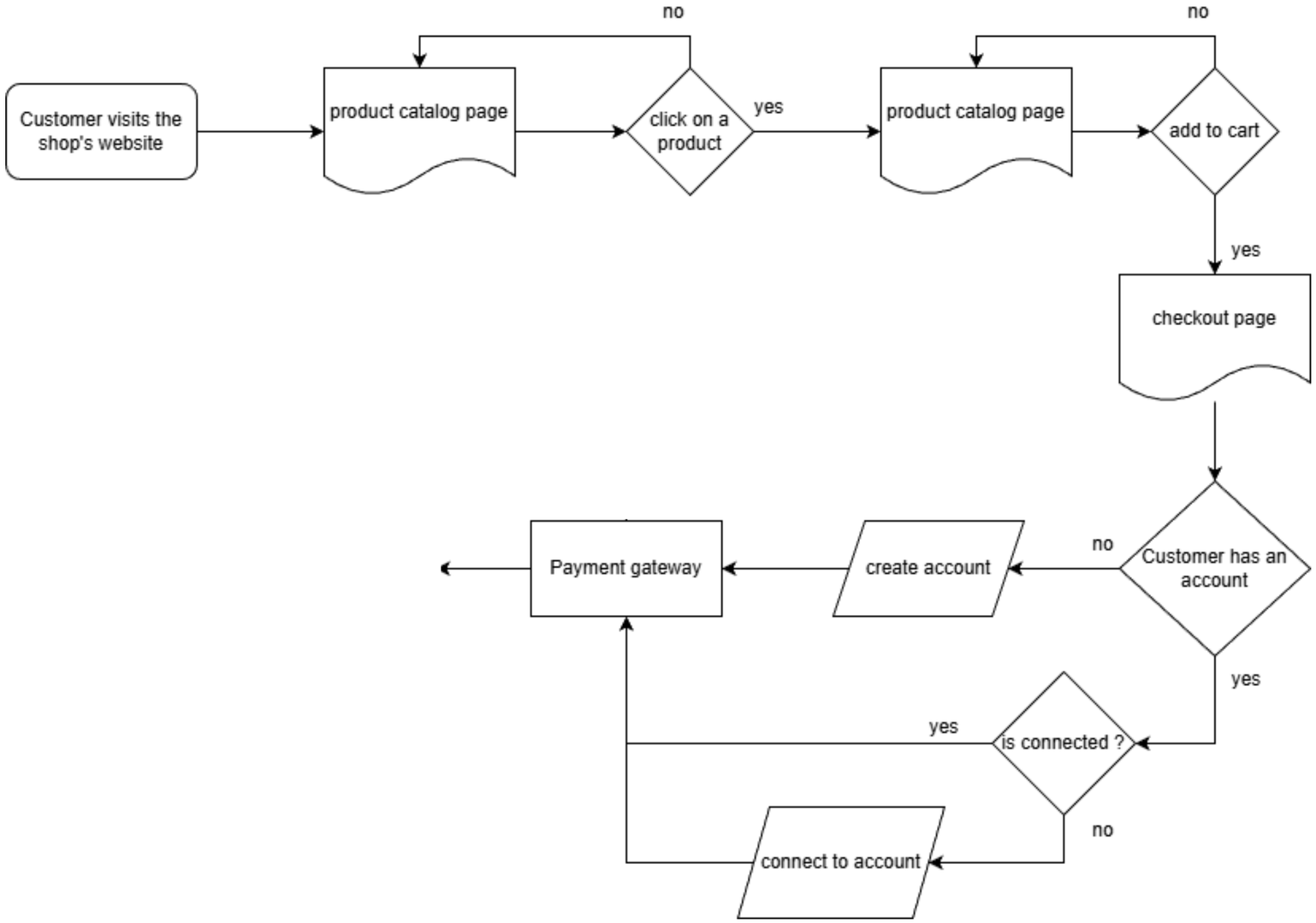

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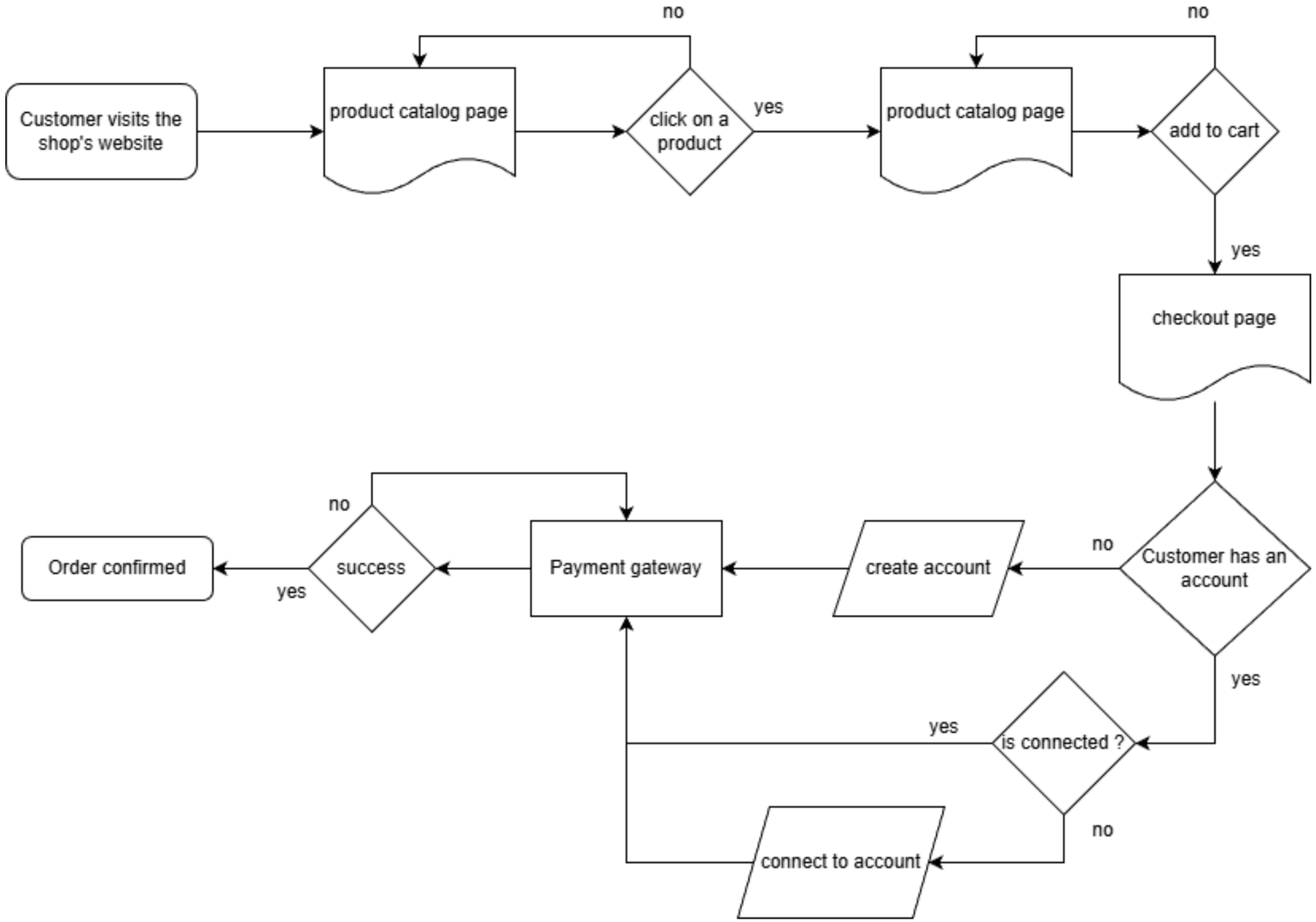
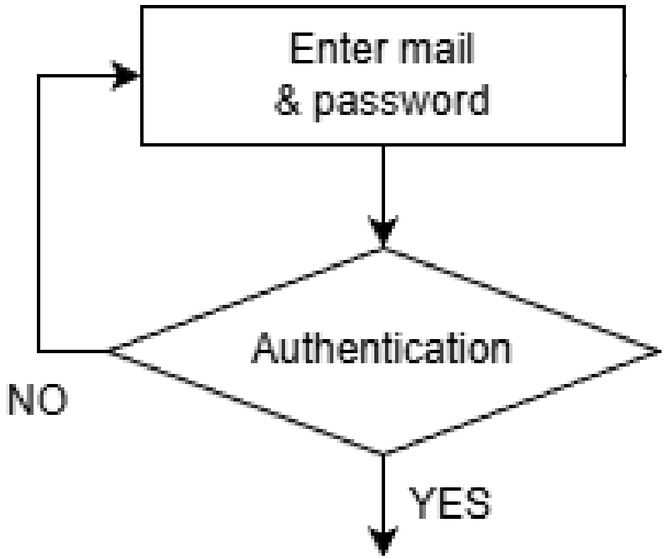


TECHNICAL DEMONSTRATION

User authentication flowchart



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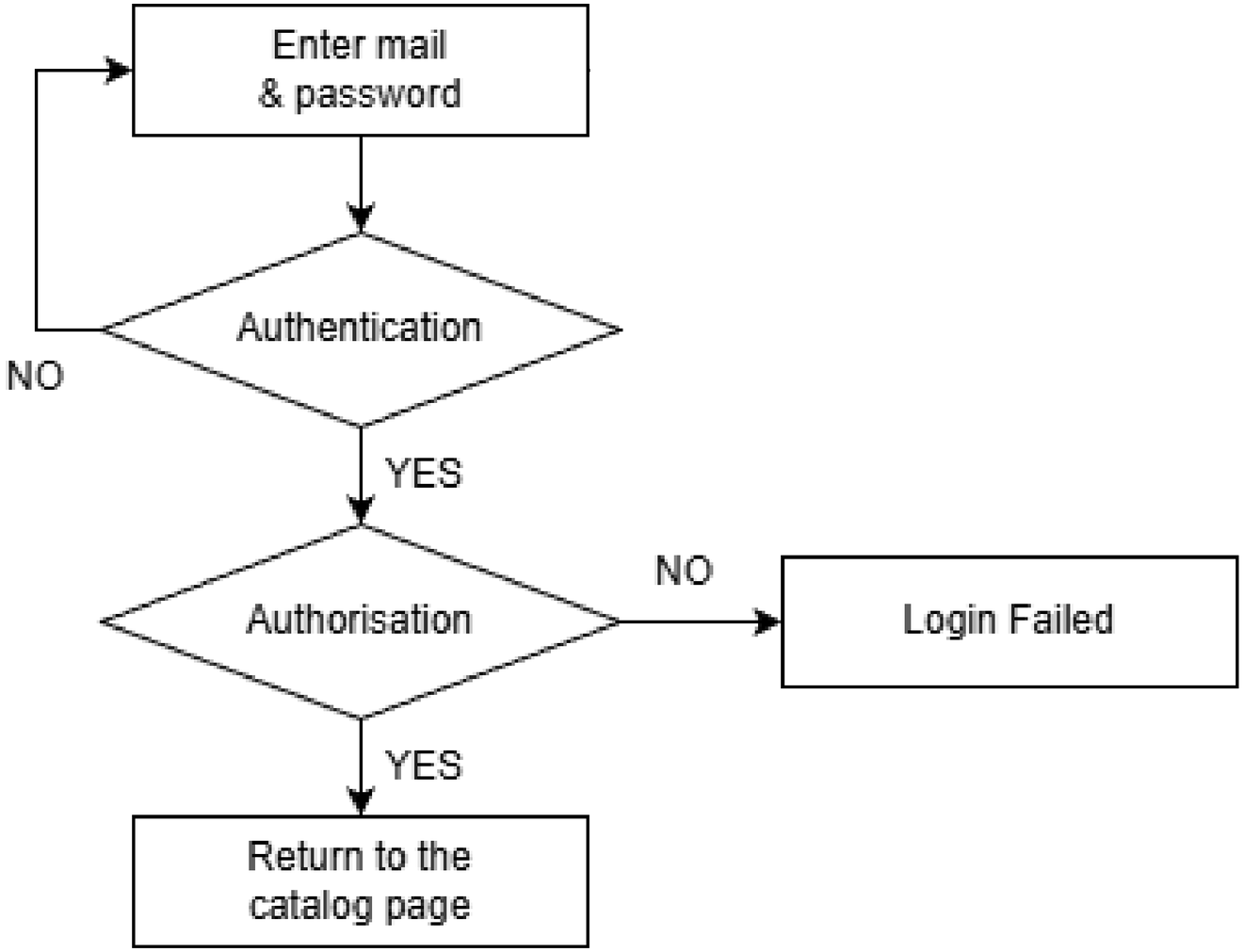

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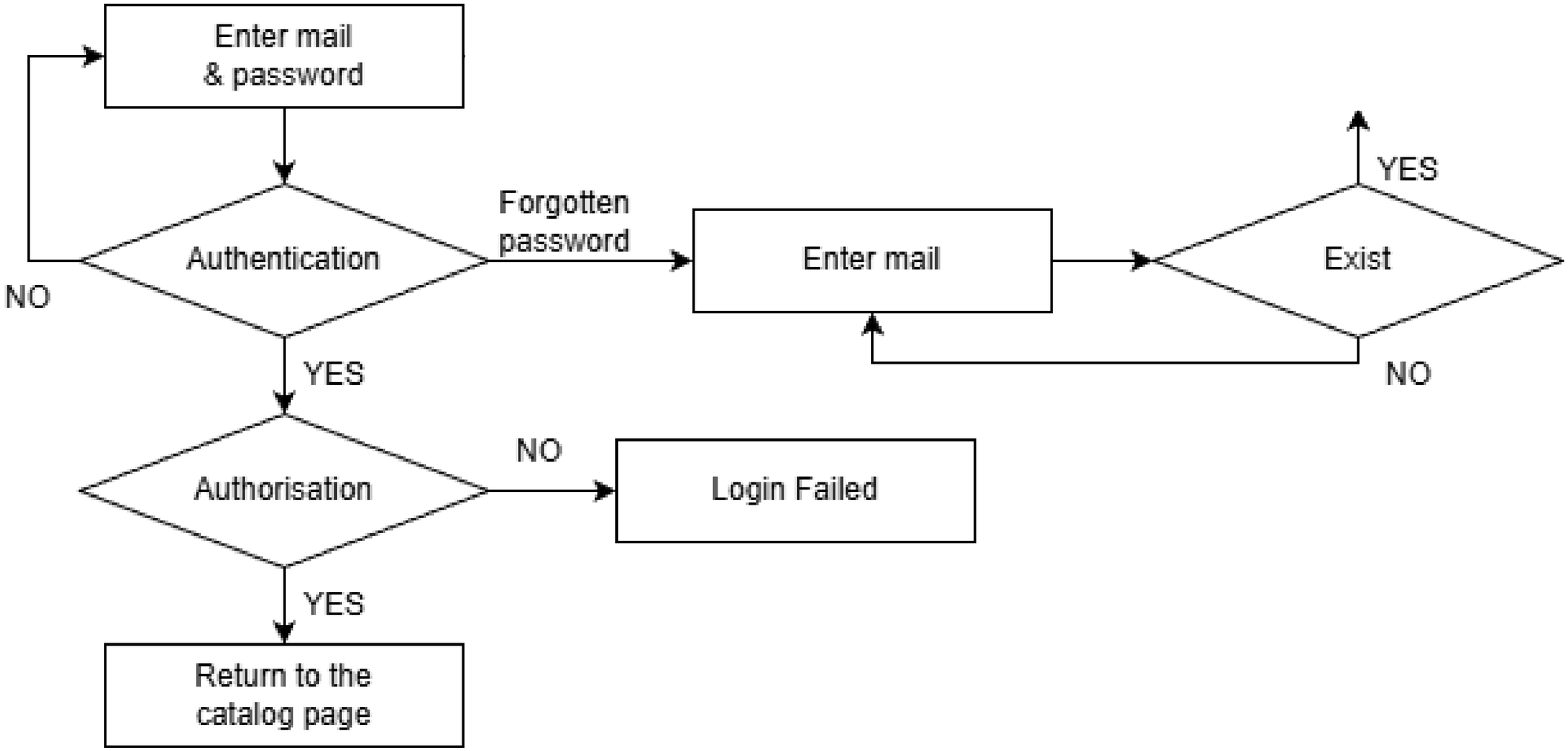

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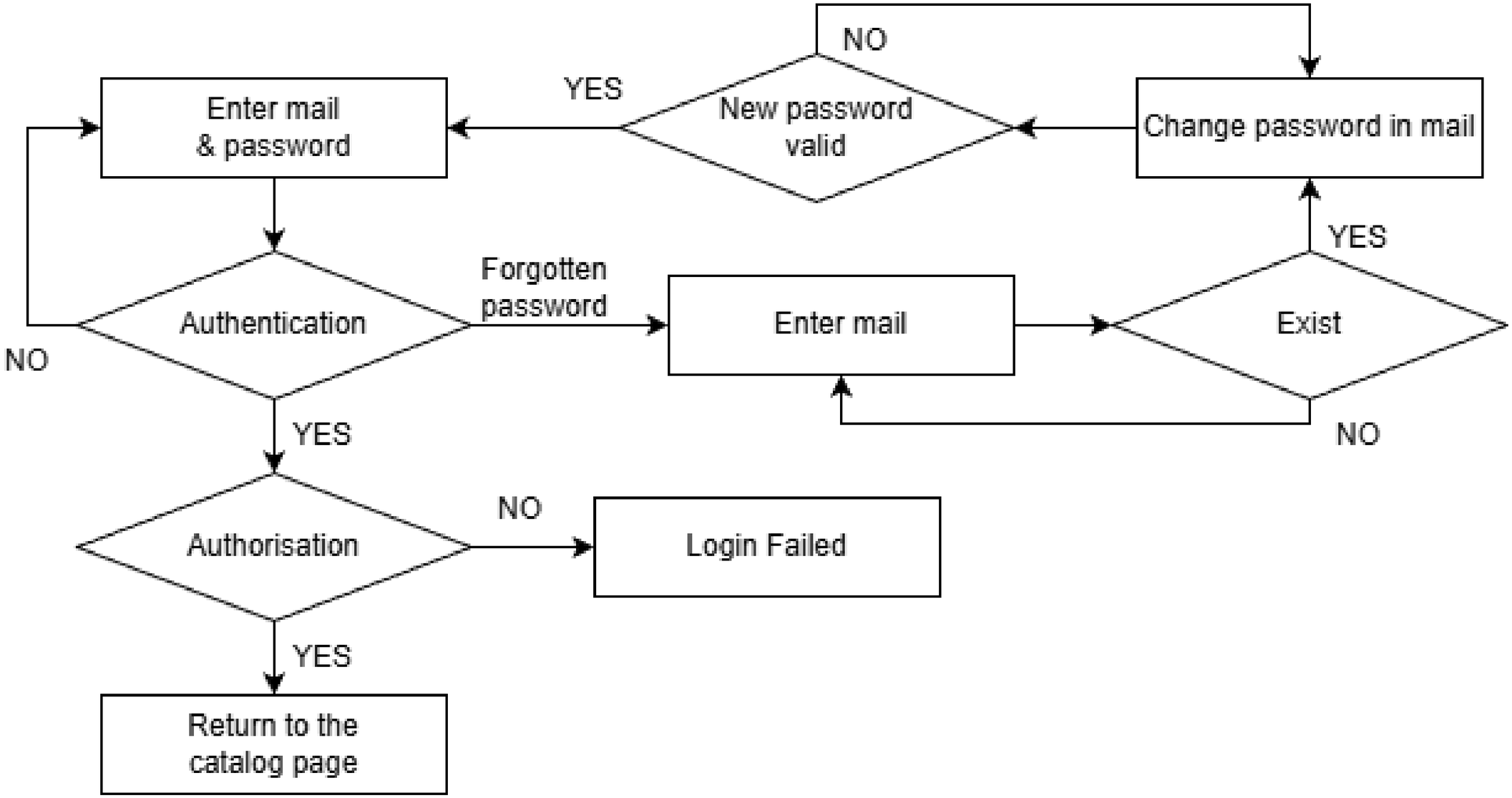
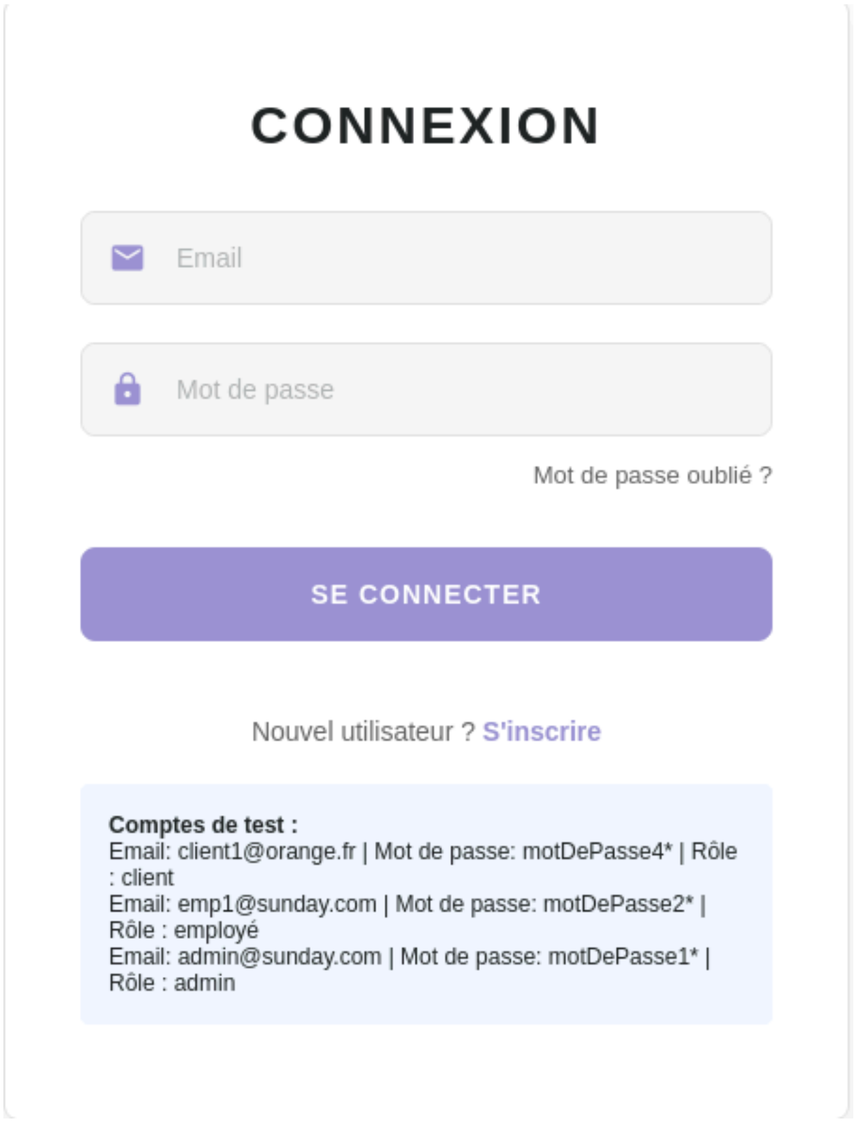


FUNCTIONALITIES



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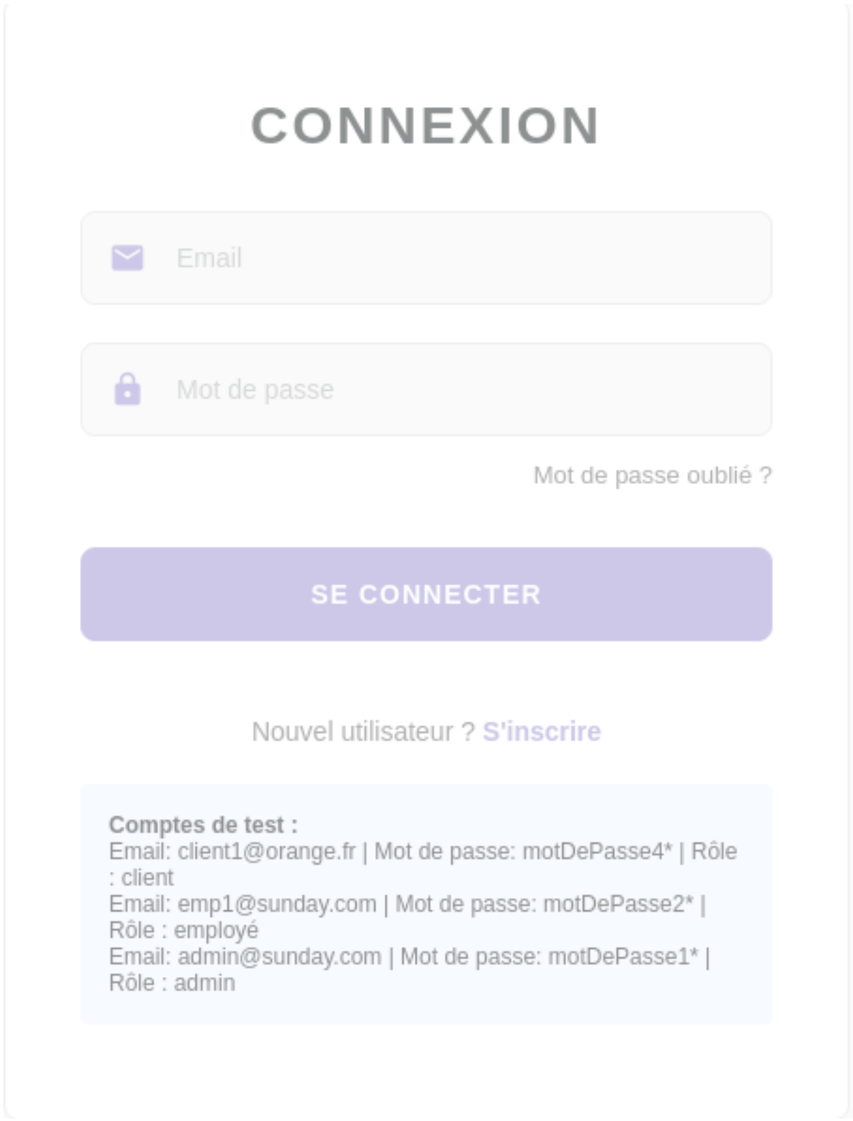

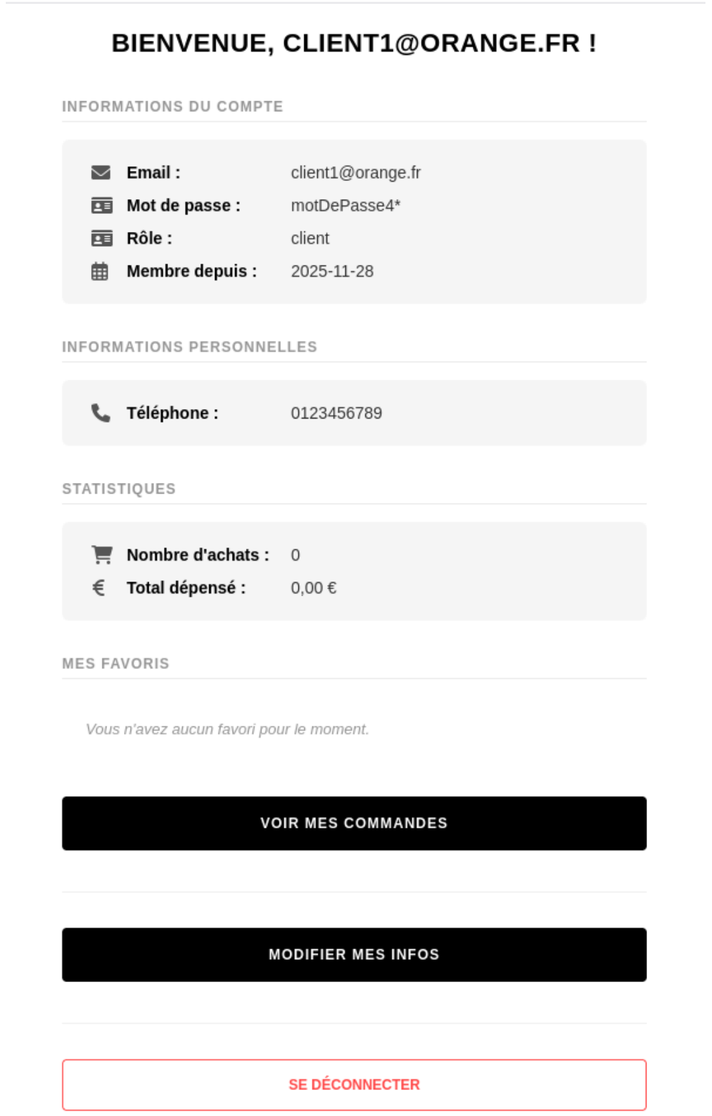

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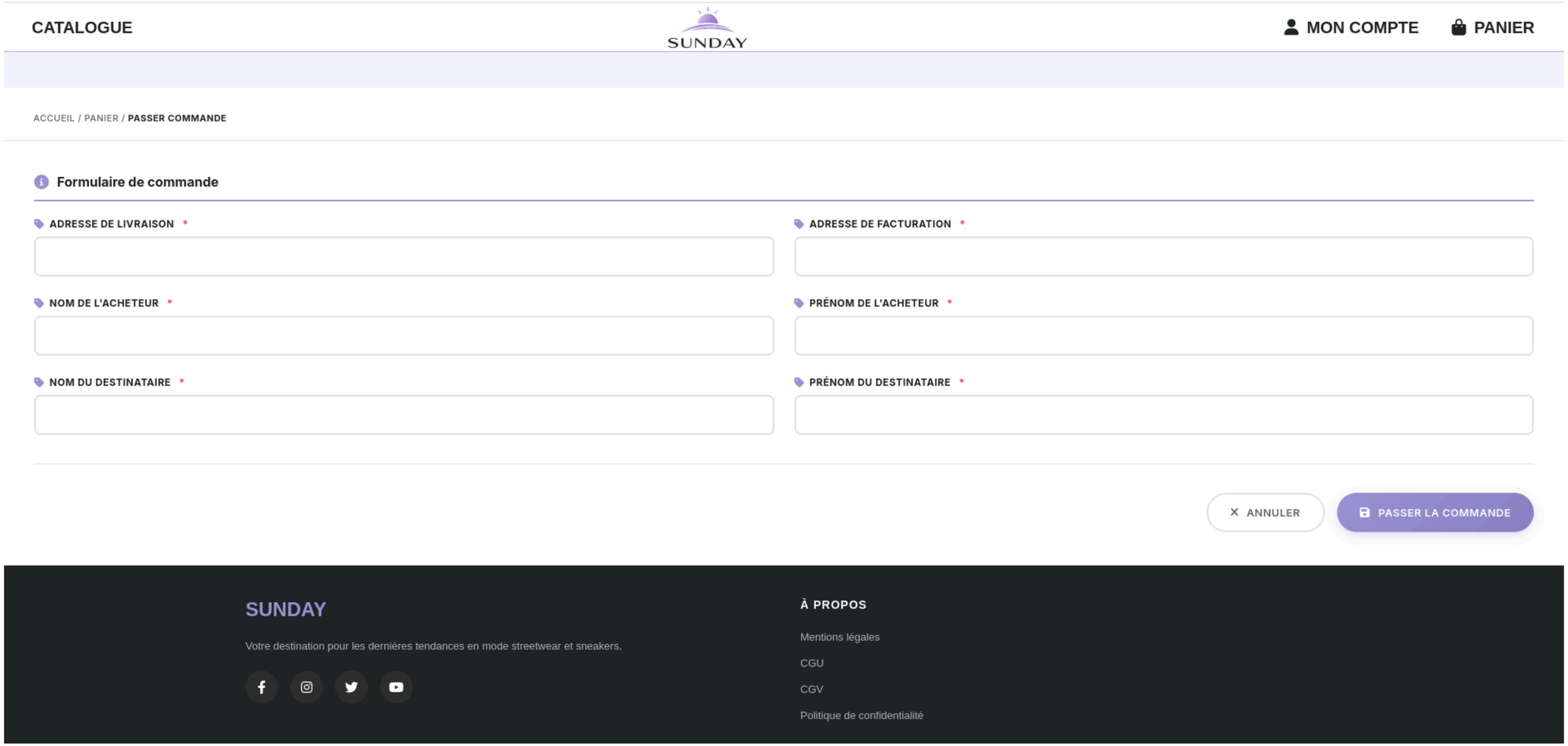

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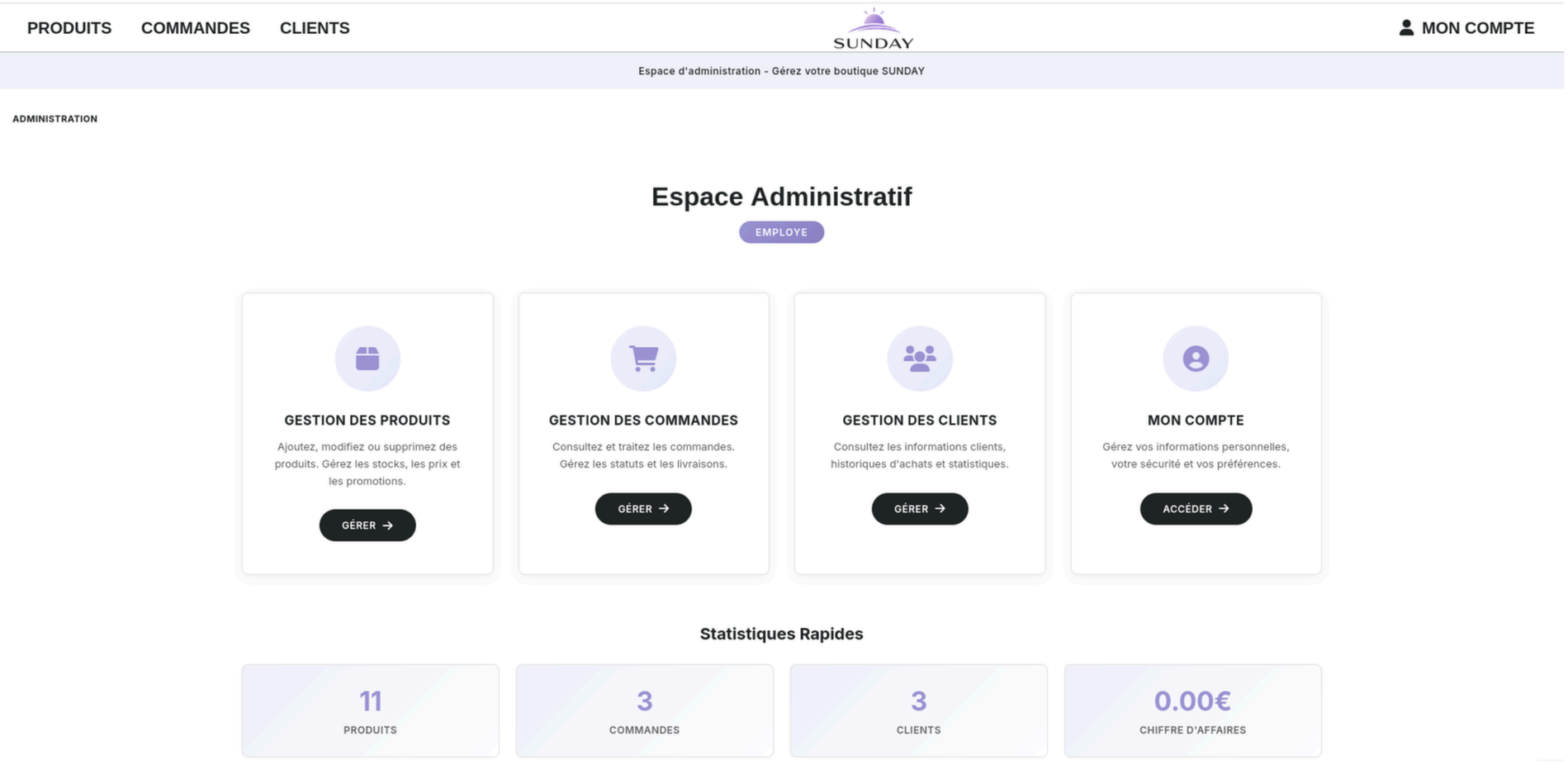

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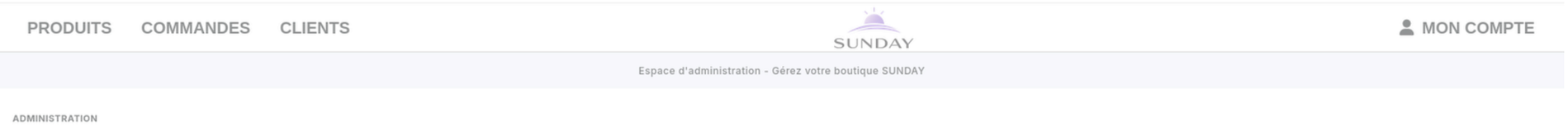

ADMINISTRATION

Espace Administratif

EMPLOYE

GESTION DES PRODUITS

Ajoutez, modifiez ou supprimez des produits. Gérez les stocks, les prix et les promotions.

GÉRER →

11

PRODUITS



ADMINISTRATION

Espace Administratif

ADMIN

GESTION DES PRODUITS

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GÉRER →

GESTION DES COMMANDES

Consultez et traitez les commandes. Gérez les statuts et les livraisons.

GÉRER →

GESTION DES UTILISATEURS

Gérez les comptes utilisateurs, les rôles et les permissions d'accès.

GÉRER →

GESTION DE LA BLACKLIST

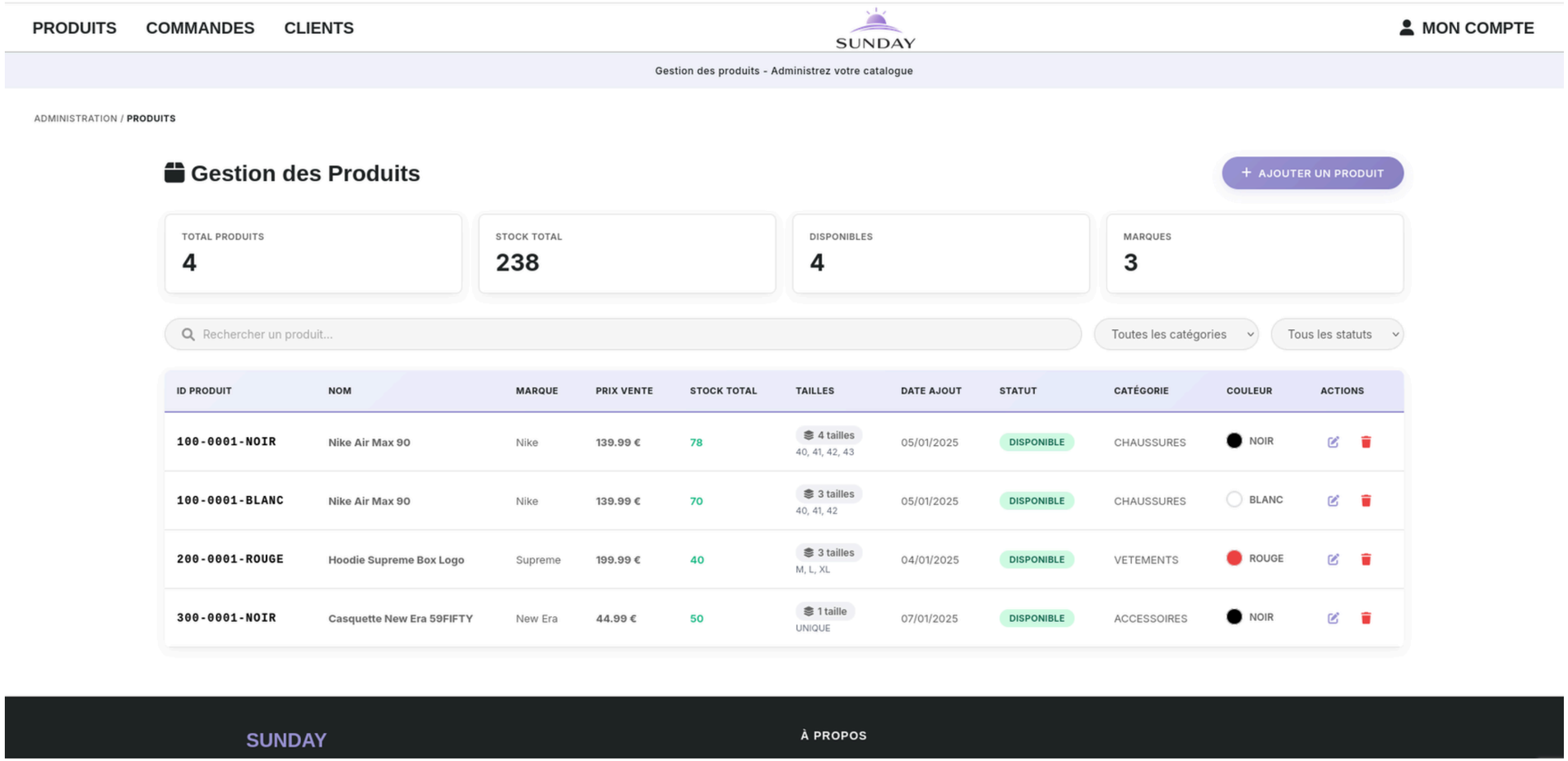
Retirez les adresses email interdites d'inscription.

GÉRER →

MON COMPTE

Gérez vos informations personnelles,

FUNCTIONALITIES



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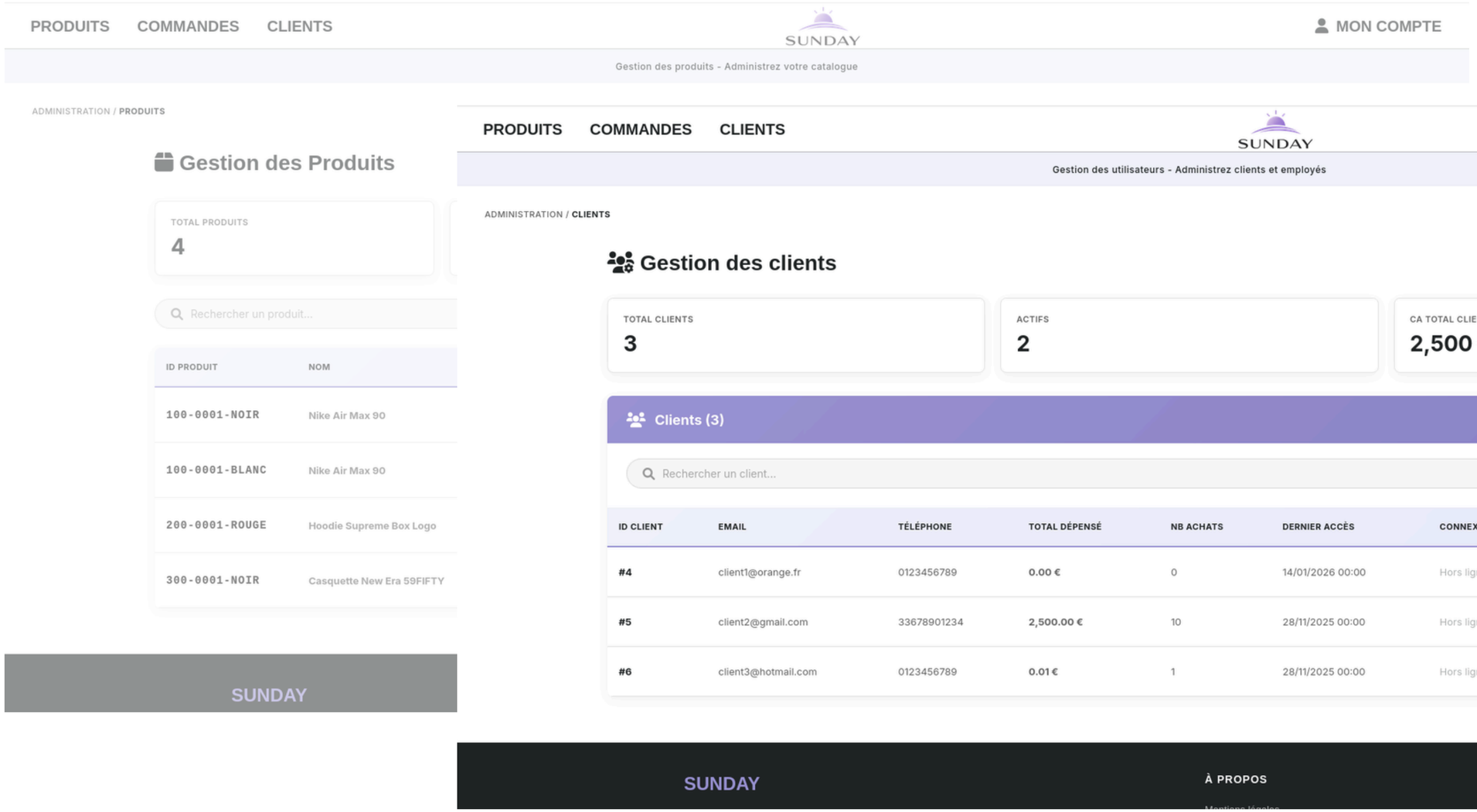

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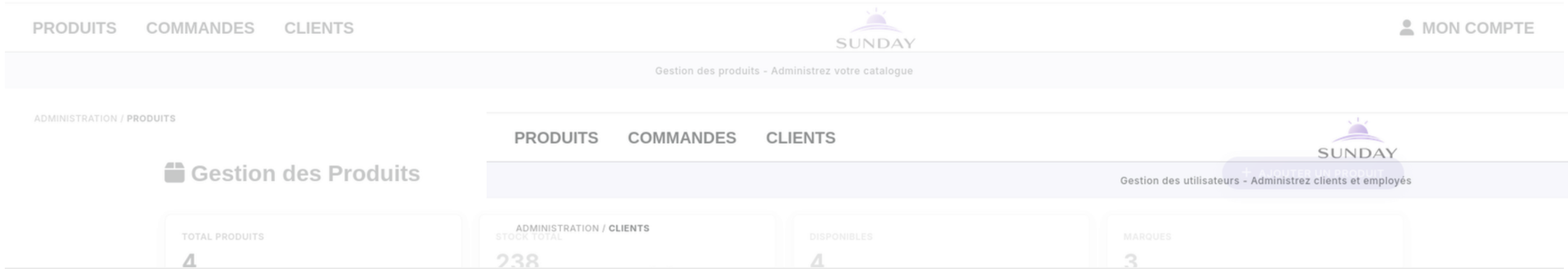

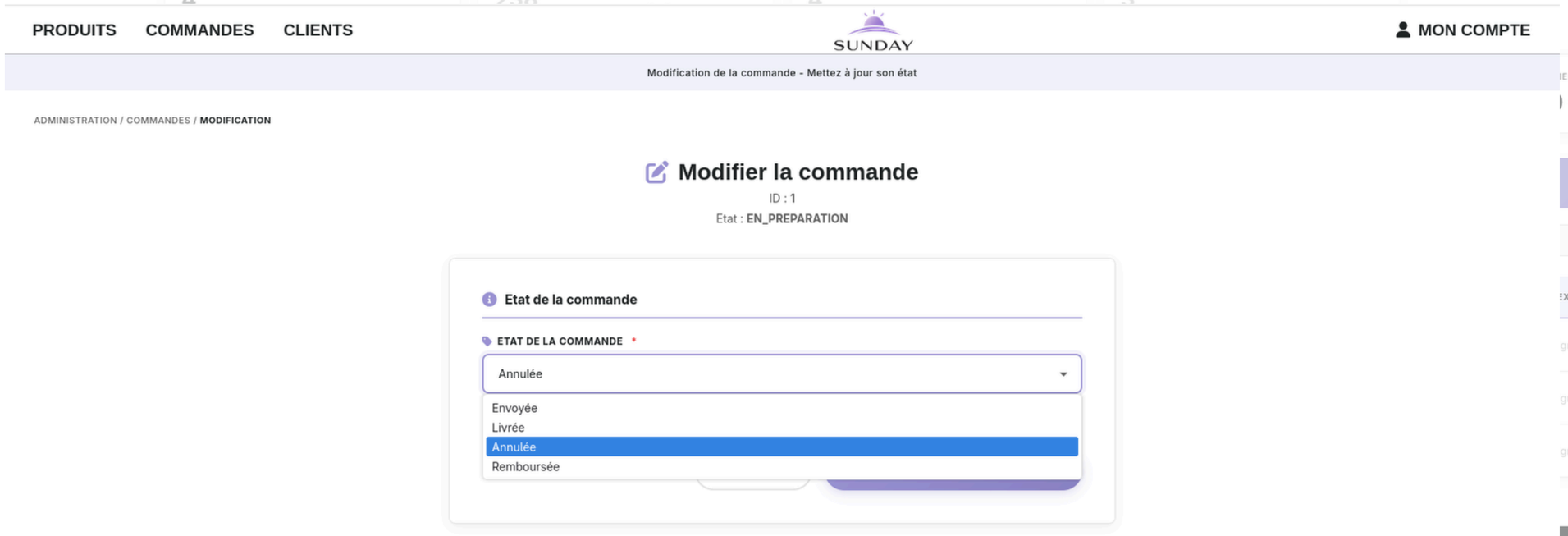

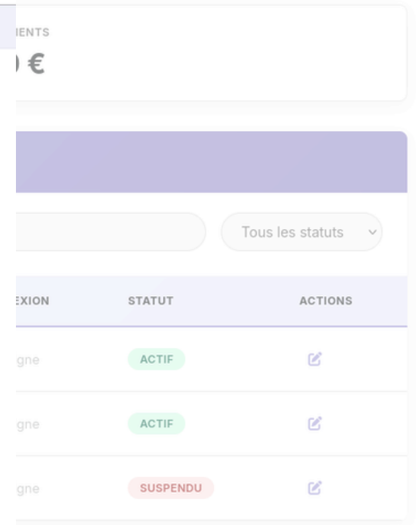



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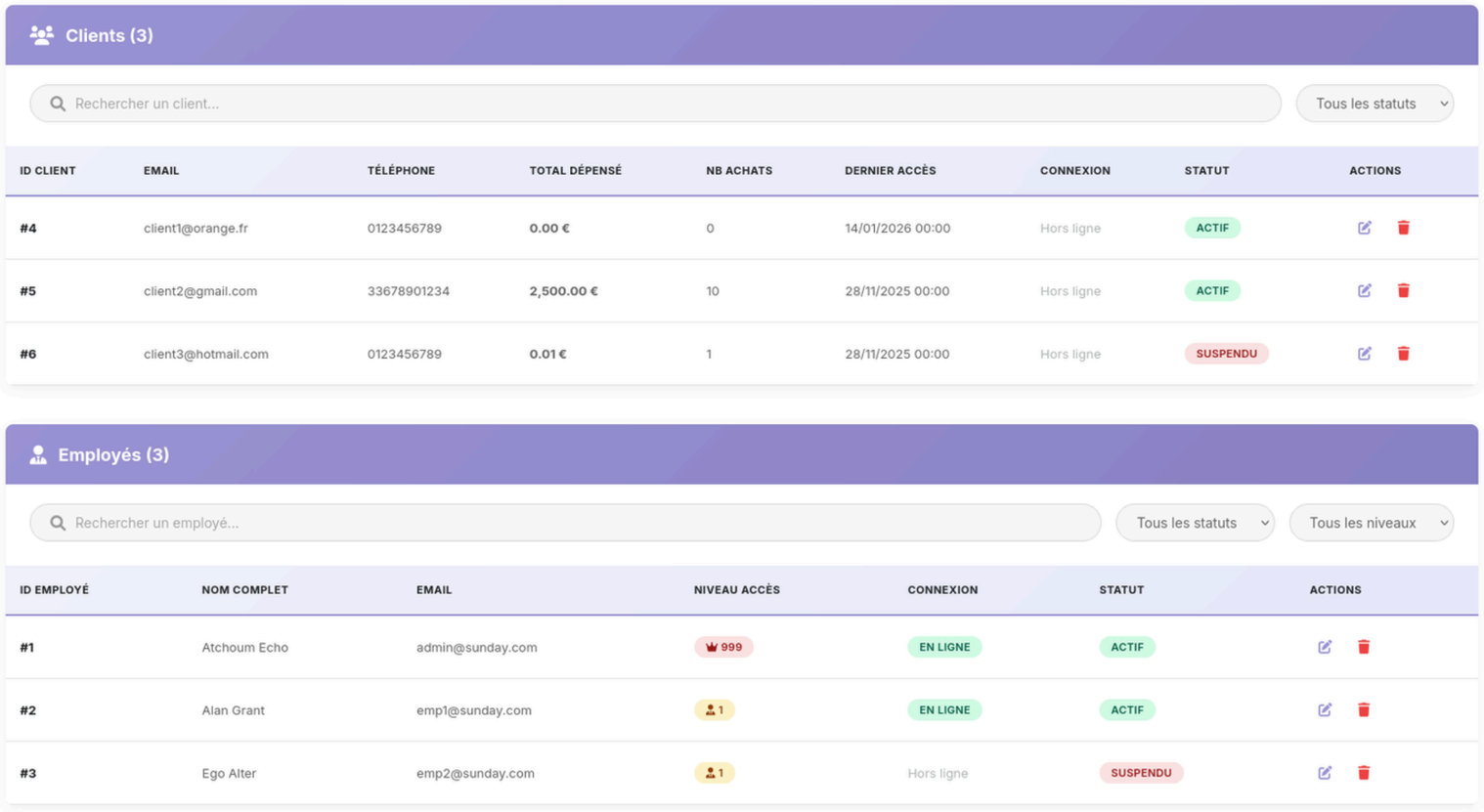

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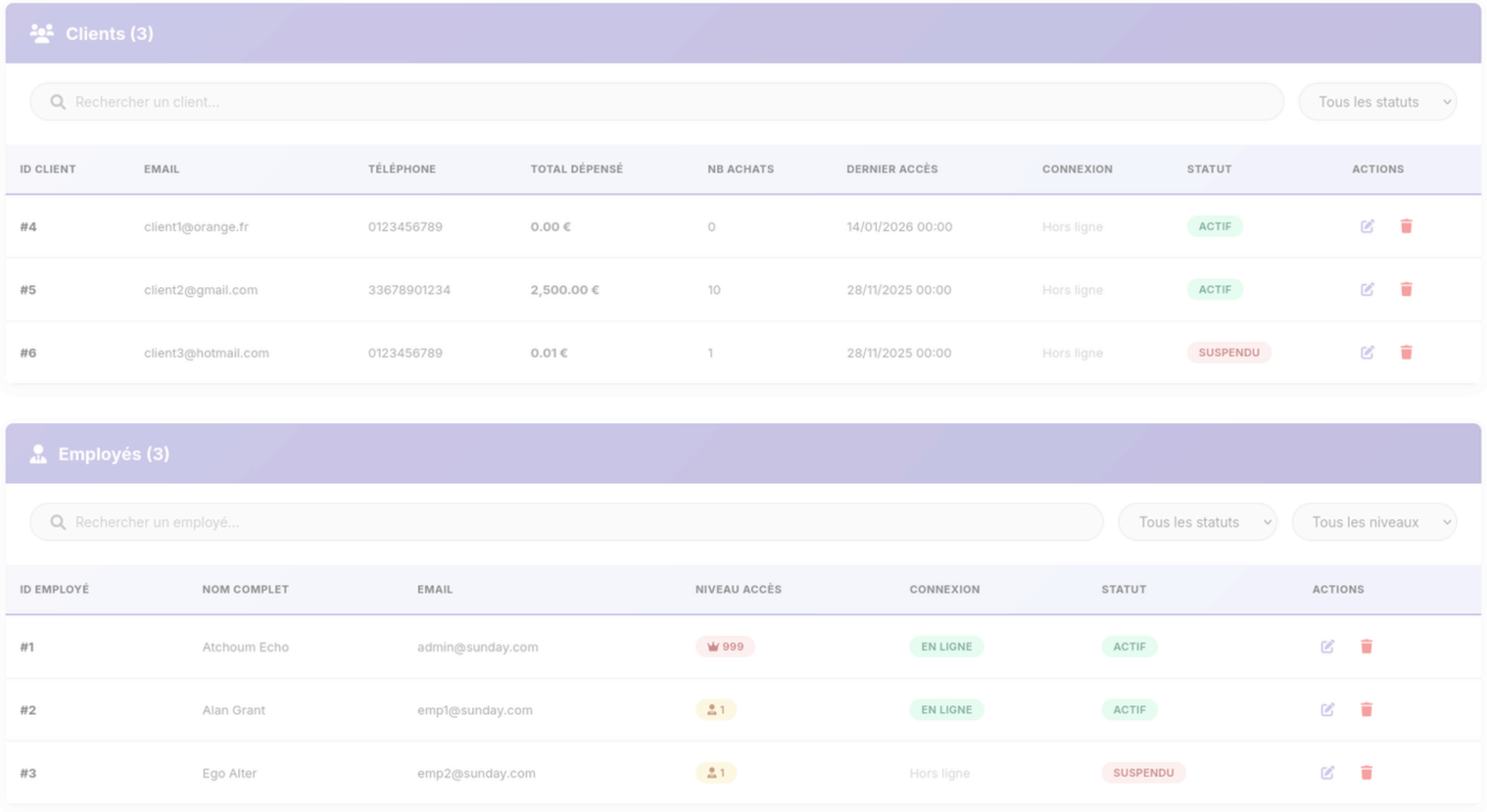

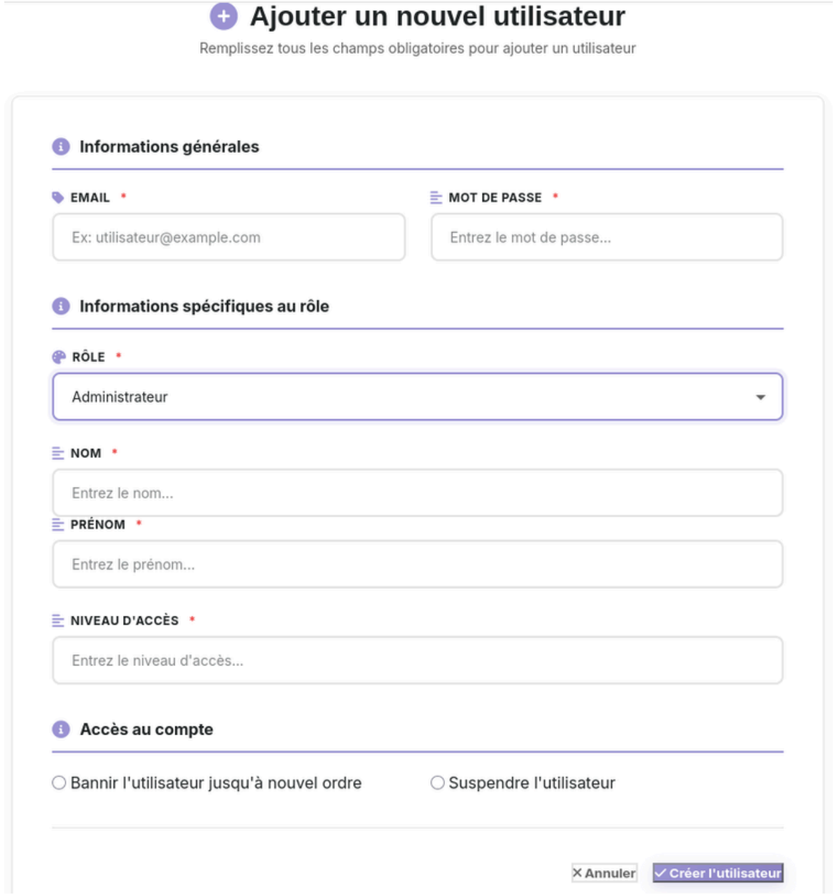

GANTT CHART


Q4 2025
tember
October
November
December
January
Analysis
Oct 6, '25 - Nov 30, '25
Front-end
Oct 18, '25 - Dec 7, '25

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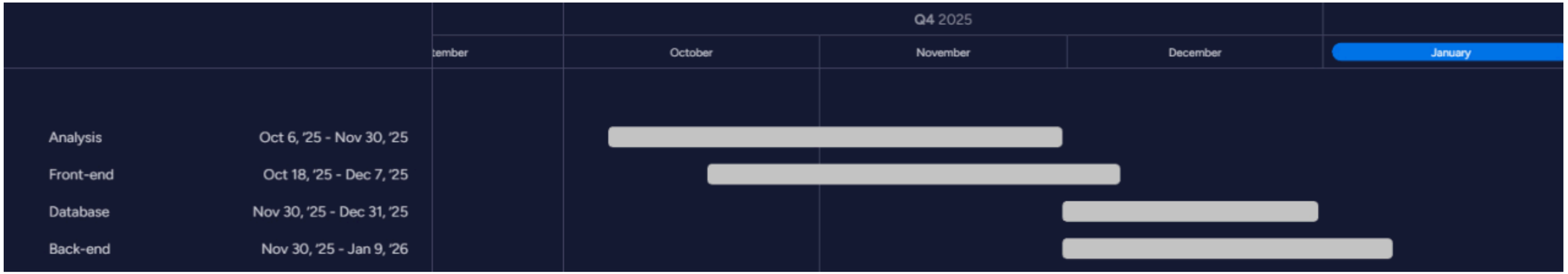
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Database
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Back-end
Nov 30, '25 - Jan 9, '26

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Nov 30, '25 - Dec 31, '25
Back-end
Nov 30, '25 - Jan 9, '26
Design Pattern
Dec 15, '25 - Jan 14, '26
Server
Jan 1 - 11
English
Jan 5 - 16
Communication
Jan 12 - 13
Effective Development
Jan 12 - 13
IA
Jan 12 - 16

SUMMARY OF MAIN POINTS

- Centralized website to buy from any brand
- E-commerce functionalities for the clients
- Catalog/order management for the employees
- PHP based server using the CodeIgniter 4 framework

CRITICAL ANALYSIS

What we did well

- Good data structure
- Corrected small mistakes before coding
- Focused on a functional website first

CRITICAL ANALYSIS

What we would do differently

- Better organisation
- Ask for clarification more often
- More communication with workmates