

Project Specification

P1 - Online Web Store



Sistemas de Informação

Group AD

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1. Project overview

This project is developed within the scope of the Sistemas de Informação course of MIEIC and aims to develop a web application for an online fruit store with no physical stores.

The customer should be allowed to access the product catalog, inquire inventory by location, track the status of its order and other additional functionalities among the usual shopping cart and purchase order registration.

TODO better this (meter palha)

For the development of this project, we will use the Primavera ERP software, creating an external auth layer, ensuring reliability and coherence of all data.

2. Functionalities/Features

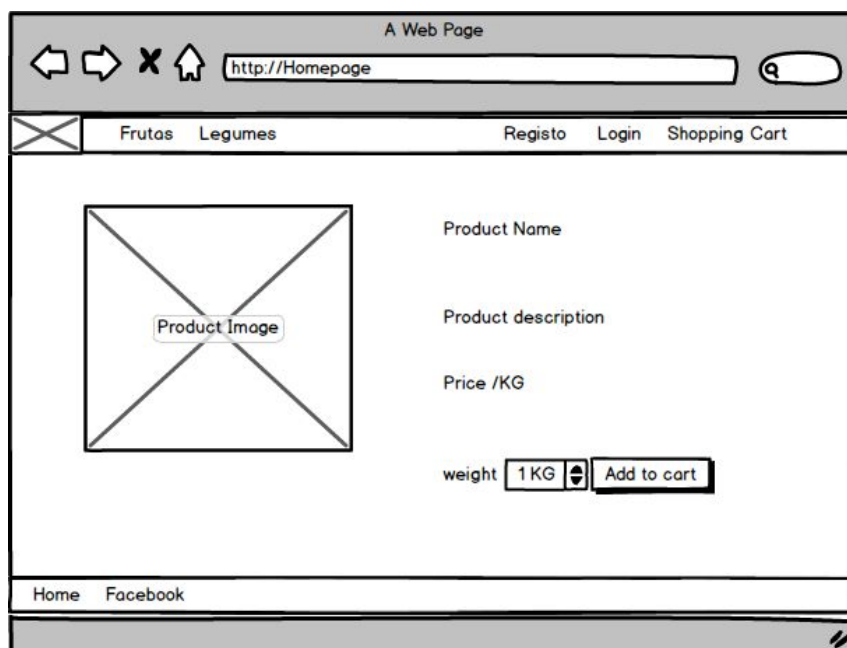
Feature ID	Description	Purpose	Core View ID
F01	Login	As a user, I want to be able to login in the online store so i can make purchases	-
F02	Logout	As a user, I want to logout of the online store	-
F03	Register	As a visitant, I want to register on the site, in order to have a personal account.	-
F04	Check profile	As a user I want to view/edit my profile informations and check past/active orders	04: UserProfile
F05	Search	As a user, I want to search for a product	03: HomePage
F06	Buy	As a user, I want to buy a product	02: Shopping_Cart
F07	View Top/New Products	As a user, I want to see the list of new products and products bought more often, in order to help decide what to buy	03: HomePage
F08	View Product Info	As a user, I want to see all details about the product including price, stock and description.	01: Product Page
F09	Categories Info	As a user, I want to overview the different categories of products.	03: HomePage
F10	Finish a purchase	As a user, I want to finish my purchase order to get my products	02: Shopping_Cart

F11	Edit shopping cart	As a user i want to delete products from my shopping cart	02: Shopping_Cart
F12	Select quantity of product	As a user i want to select the quantity of the product to purchase	01: Product Page
F13	Shopping history	As a user I want to be able to see my shopping history	04: User Profile
F14	Search	As a user I want to be able to search products by category or name	-

3. Information Architecture

01 Core view: Product page

User & Business Goals	
User	Business
<ul style="list-style-type: none">• Product information overview• View/Buy product	<ul style="list-style-type: none">• Promote and/or sell product



Inward Paths:

- Internal/external Search
- Navigation
- Product Suggestions
- Product In the shopping cart (shopping cart view)
- Product is in an purchase order made by the client (user view)

Outward Paths:

- Add product to shopping cart
- Homepage link
- Facebook link
- “Fruits” and “vegetables” (categories) links

Elements of the core:

- Panel_01: Product Overview
- Image_01: Product image
- Button_01: add product to shopping cart
- Button_02: quantity selector

02 Core-View: Shopping_Cart

User & Business Goals

User

- Finalize a purchase
- Edit shopping cart

Business

- Sell products
-

Inward Paths:

- Product Page (*Product_Page*)
- Shopping Cart (Link)

Outward Paths:

- Homepage link
 - Continue shopping other items
 - Product_Page
-

Elements of the core:

- Panel_01: shopping cart
 - Panel_02: User info
 - Panel_03: Payment
 - Panel_04: Summary
 - Button_01: Clean shopping cart
 - Button_02: next
-

03 Core view: HomePage

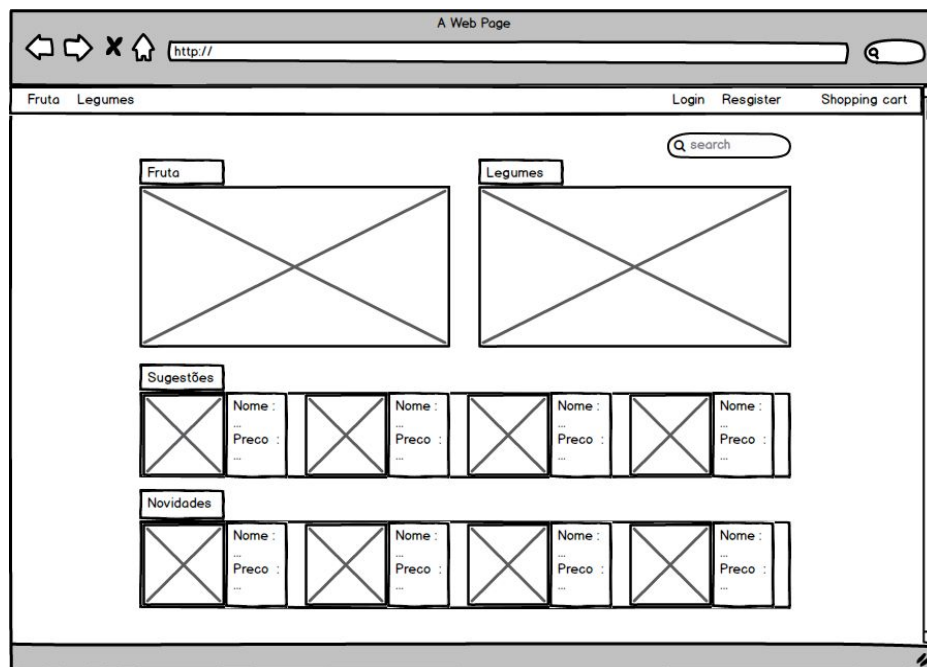
User & Business Goals

User

- Quickly view available products and categories for the user to explore

Business

- Suggest products based on past purchases and other metrics
 - Introduce the customer to recently added products in the store
-



Inward Paths:

- Search engine link
- Product Page
- User Profile Page
- Shopping Cart Page

Outward Paths:

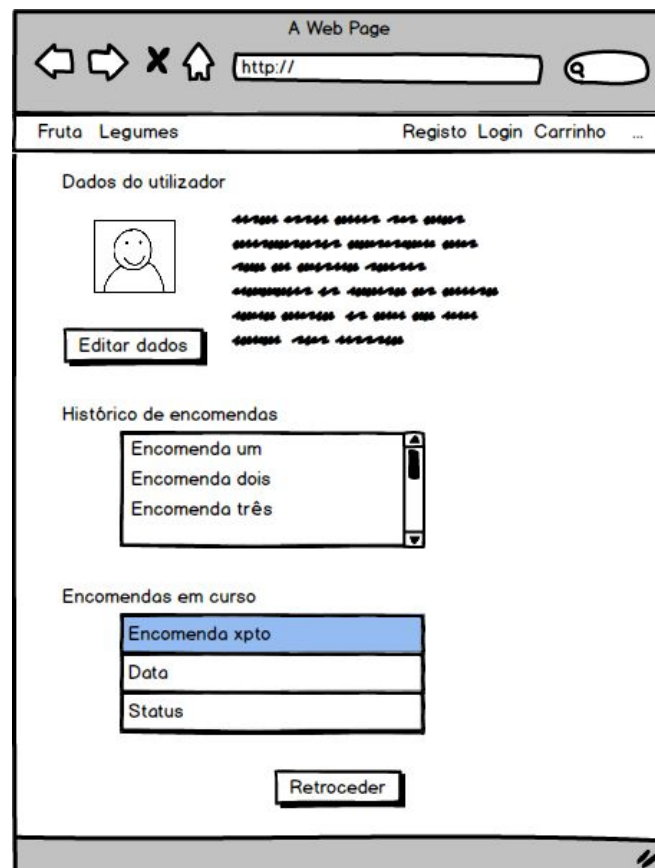
- Search for a specific product
 - Show available products in a category
 - Product Page
 - Login/Register
-

Elements of the core:

- Button_01: Search bar
 - Panel_01: "Fruta" category
 - Panel_02: "Legumes" category
 - Panel_03: Suggested products
 - Panel_04: Newly added products
-

04 Core-View: User Profile

User & Business Goals	
User	Business
<ul style="list-style-type: none">• Personal Information• History of requests• Active orders	<ul style="list-style-type: none">• Manage user information



Inward Paths:

- "Profile" link when logged in

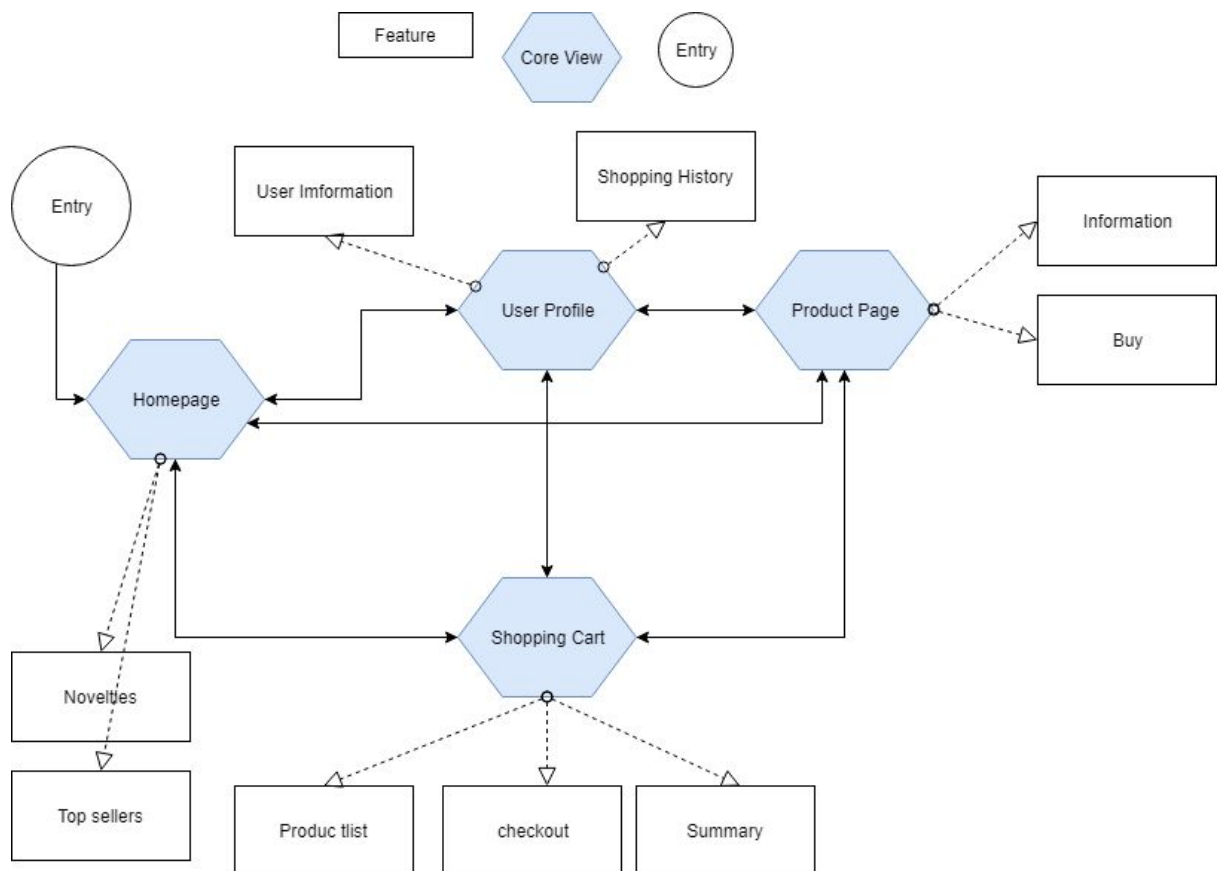
Outward Paths:

- Change user information (if edited)
- Drill down to "know more" on Orders history
- Go to home page

Elements of the core:

- Panel_01: User information
 - Image_01: User profile picture
 - Button_01: edit user information
 - Panel_02: History of purchases
 - Panel_03: Active orders
 - Button_02: go back
-

Paths Diagram



4. Planning

	19-10	26-10	02-11	9-11	16-11	23-11	30-11	30-11	01-12	14-12	21-12
		Functional specs delivery				Inter operability					Final presentation and report
1. Analysis											
Specifications definition ::BR,ER,FL,LC,RA											
2. Design											
Interface design ::RA											
Interoperability ::ER,FL,LC											
Software design ::BR											
3. Development											
Create external auth layer ::BR,RA											
ERP validation ::ER,FL											
Documentation ::LC											
4. Testing											
Perform System testing ::BR,ER,FL,LC,RA											

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 LC: Luis Couto
 RA: Rui Araújo