

GRÃO

feup-sinf: Sales Order Picking

Overview

A **web application** that provides our fictional coffee distributor company 'Grão' the ability to make a **picking process** of a sales order, **generate a delivery note** and **manage its inventory**.

Technologies



vue.js



npm



Node.js

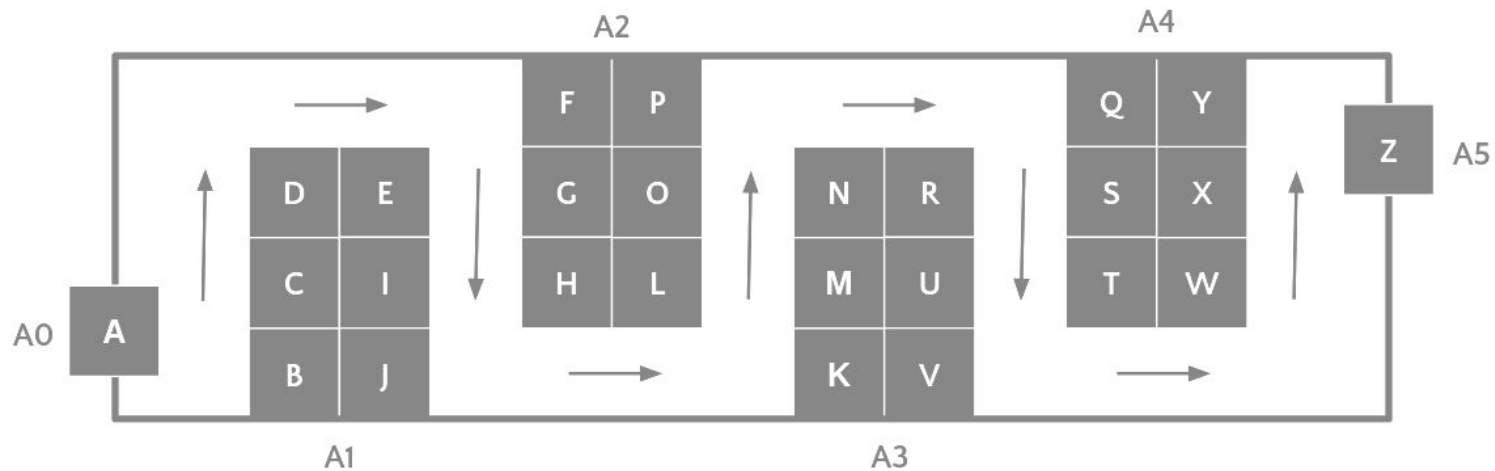


Primavera ERP

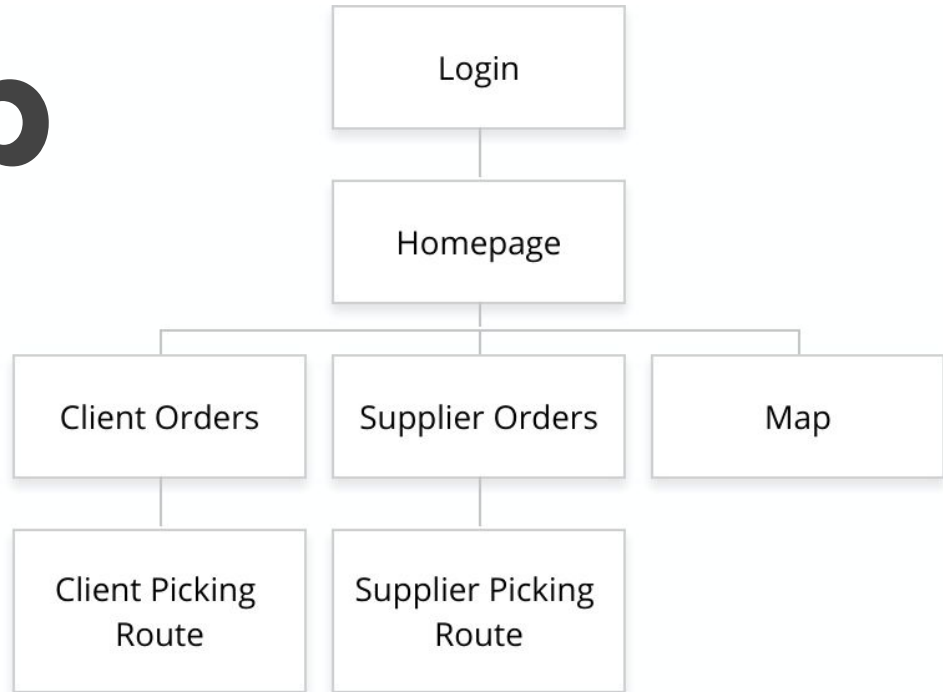
Functionalities

- **Multiple order picking.**
- **ECL/ECF** selective **product visualization.**
- **Sorting** client/supplier orders by **document ID, order ID, client no. or date.**
- **Warehouse map** available on every screen.
- Quick **conversion** from **ECL/ECF** to **GR/VGR**, respectively.
- **Simple and intuitive** design.

Map



Sitemap



Screenshots

In case Primavera does not cooperate.

A screenshot of a login page for a service named 'grão'. The page has a dark background with a gradient from dark blue to dark green. The word 'grão' is centered in a large, white, serif font. Below it, there are two input fields: one for 'username' containing the text 'grao' and another for 'password' containing four dots. A yellow 'Login' button is positioned below the password field. The entire screenshot is framed by a yellow dotted border with rounded corners.

grão

username

grao

password

....

Login

Screenshot #1: **Login**



Screenshot #2: **Homepage**

[↑ Client Orders](#) [↓ Supplier Orders](#)

grão

[Map](#) [Logout](#)

Client Orders

☒

↑ Document ID

Order ID

Client

Date

<input checked="" type="checkbox"/>	4	978133f2-038e-11e9-ab1d-080027fc93b8	C0001	2018-12-19
-------------------------------------	---	--------------------------------------	-------	------------

↑ Product

Description

Zone

Qty

Stock

ART002	Café proveniente da Colômbia	A1	4	45
ART004	Conjunto de 3 cafés	A2	2	66
ART008	Pack de Capsulas de 3 Cafés	A3	5	139

☒

5

b7ed50d4-038e-11e9-ab1d-080027fc93b8

C0002

2018-12-19

☐

6

2dbb7d9d-0390-11e9-ab1d-080027fc93b8

C0001

2018-12-19

☐

7

4db4626a-0390-11e9-ab1d-080027fc93b8

C0001

2018-12-19

☐

8

598566e5-0390-11e9-ab1d-080027fc93b8

C0001

2018-12-19

☐

9

73e9f86c-0390-11e9-ab1d-080027fc93b8

C0001

2018-12-19

☐

10

997b3b4-0390-11e9-ab1d-080027fc93b8

C0002

2018-12-19

Next

For Information Systems, Faculty of Engineering of the University of Porto

Screenshot #3: **Selecting Client Orders**

Client Orders

Supplier Orders

grão

Map

Logout

Picking Route

A1

A2

A1

A3

Picked	Section	Product	Qty	Qty Picked	Document ID	Entity
<input type="checkbox"/>	E	ART002	4	4	4	C0001

Picked	Section	Product	Qty	Qty Picked	Document ID	Entity
<input type="checkbox"/>	F	ART004	2	2	4	C0001

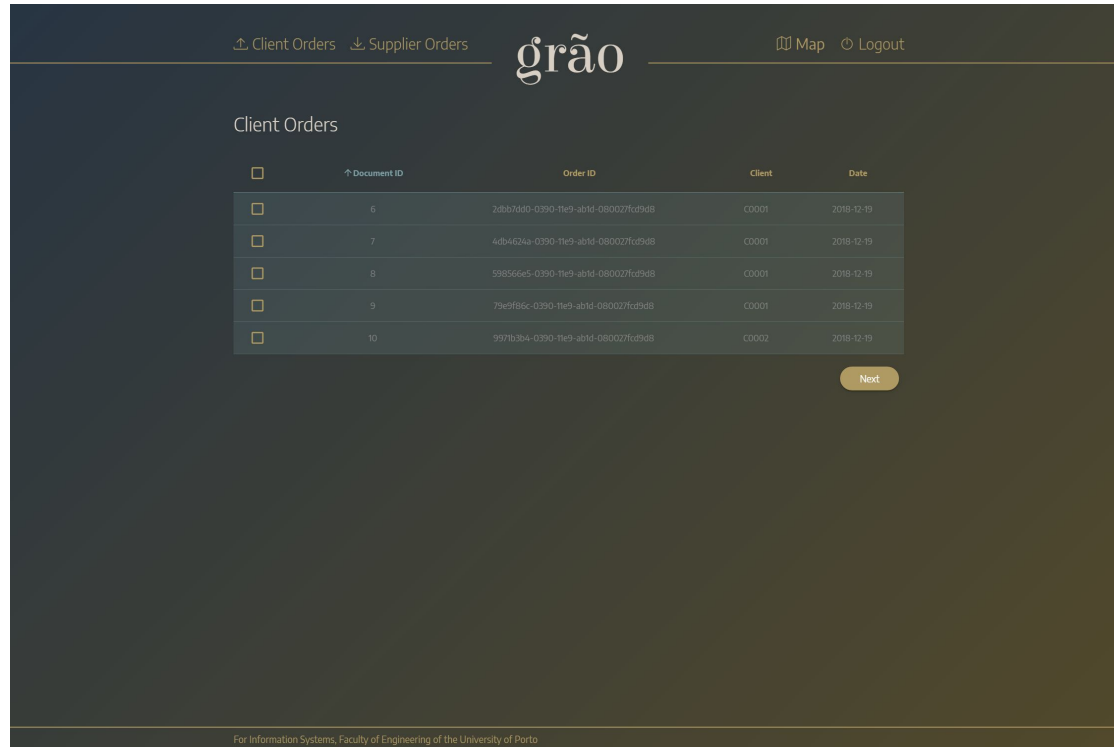
Picked	Section	Product	Qty	Qty Picked	Document ID	Entity
<input type="checkbox"/>	J	ART003	2	2	5	C0002

Picked	Section	Product	Qty	Qty Picked	Document ID	Entity
<input type="checkbox"/>	M	ART008	5	5	4	C0001
<input type="checkbox"/>	N	ART006	6	6	5	C0002
<input type="checkbox"/>	U	ART007	3	3	5	C0002

Next

For Information Systems, Faculty of Engineering of the University of Porto

Screenshot #4: **Picking Route for Selected Orders**



Screenshot #5: **Client Orders After Picking**

Client Orders

Supplier Orders

grão

Map

Logout

Picking Route

A1

Picked	Section	Product	Qty	Qty Picked	Document ID	Entity
<input type="checkbox"/>	E	ART002	4	4	4	C0001

<input type="checkbox"/>	M	ART008	5	5	4	C0001
<input type="checkbox"/>	N	ART006	6	6	5	C0002
<input type="checkbox"/>	U	ART007	3	3	5	C0002

Next

For Information Systems, Faculty of Engineering of the University of Porto

Screenshot #6: **Warehouse Map Overlay**

Demonstration

Credits

- Afonso Jorge Ramos
- João Nuno Seixas
- Julieta Pinto Frade
- Luís Miguel Correia
- Miguel Mano Fernandes