

# ***Project Specification - Grão***

**Group ID** | E

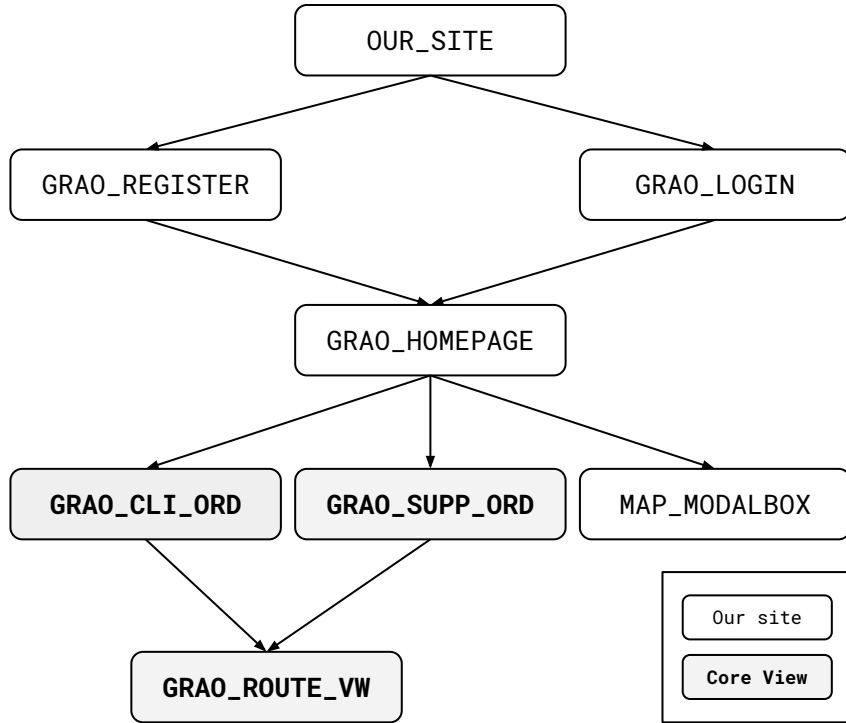
**Project ID** | GRAO

**Description** | This team's project consists of 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 their inventory.

## **Team**

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## Project Overview



## Functionalities/Features

- Authenticate the user
- Show supplier orders
- Register exceptions on inventory
- Show client orders
- Sort orders by date
- Create a picking wave
- Suggest routes

# Information Architecture

## ID Core View

GRAO\_CLI\_ORD

### Inward Paths/ Trigger Words

- Homepage
- Sign In
- Client Orders Button

### Elements of the core

LST\_001 (LST) | **Orders**  
LST\_002 (LST) | **Products**

## User & Business Goals

- Client orders **overview** (ID, date of request/ expected arrival, order status) and **product quantity** and **warehouse zone**.
- Intuitively **check** the desired picking orders.
- View to be used as a **management tool** of the supplier orders.

The screenshot shows a web application interface for 'grão'. At the top, there are tabs for 'Client Orders' and 'Supplier Orders'. The 'Client Orders' tab is active. Below the tabs, there is a table with columns: '#', 'id', 'request date', 'expected arrival date', 'status', and a circular icon. The table contains five rows of data. The third row is highlighted. Below the table, there is a section for 'product' details, showing 'Product 1', 'Product 2', and 'Product 3' with their respective quantities and zones. At the bottom right, there is a 'Next' button. The footer text reads: 'For Information Systems, Faculty of Engineering of the University of Porto'.

#	id	request date	expected arrival date	status	
1	wlQpQY3lCh	24-10-2018	24-10-2018	total	👍
2	JRGE0YK4lv	24-10-2018	24-10-2018	total	👍
3	JRGE0YK4lv	24-10-2018	24-10-2018	partial	👍
product				qty.	zone
Product 1				3	A1
Product 2				56	A3
Product 3				30	A2
4	JRGE0YK4lv	24-10-2018	24-10-2018	partial	👍
5	JRGE0YK4lv	24-10-2018	24-10-2018	partial	👍

Next

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

## Outward Paths/ Call to Action

- Provide to the user aggregate **information** about **grão's client orders** like each order's ID, dates.
- **Mark** each supplier order to generate the **picking route**.
- **See** order's **products and quantity** and **sort** by date of supply request/ expected arrival.
- **Add** a **storage zone** to new products, as suggested by the ERP.

# Information Architecture

## ID Core View

GRAO\_SUPP\_ORD

### Inward Paths/ Trigger Words

- Homepage
- Sign In
- Supplier Orders Button

### Elements of the core

LST\_001 (LST) | **Orders**  
LST\_002 (LST) | **Products**

## User & Business Goals

- Supplier orders **overview** (ID, date of request/arrival, order status) and **product quantity** and **warehouse zone**.
- Intuitively **check** the desired storing orders.
- View to be used as a **management tool** of the supplier orders.

#	id	request date	arrival date	status	
1	wlQpQY3lCh	24-10-2018	24-10-2018	total	✓
2	JRGE0YK4lv	24-10-2018	24-10-2018	partial	✓
3	JRGE0YK4lv	24-10-2018	24-10-2018	partial	✓
				product	qty zone
				Product 1	3 A1
				Product 2	56 A2
				Product 3	30 A2
4	JRGE0YK4lv	24-10-2018	24-10-2018	total	✓
5	JRGE0YK4lv	24-10-2018	24-10-2018	total	✓

Next

## Outward Paths/ Call to Action

- Provide to the user aggregate **information** about **grão's supplier orders** like each order's ID and dates.
- **Mark** each supplier order to generate **the storing route**.
- **See** order's **products and quantity** and **sort** by date of supply request/ arrival.
- **Add** a **storage zone** to new products, as suggested by the ERP.

# Information Architecture

## ID Core View

GRAO\_ROUTE\_VW

### Inward Paths/ Trigger Words

- Supplier Orders' Next button
- Client Orders' Next button

### Elements of the core

LST\_001 (LST) | **Route**  
LST\_002 (LST) | **Products**

### User & Business Goals

- Picking or Storing **route overview**.
- Intuitively **confirm** product picking or storing.
- View to be used as a **management tool** for product picking or storing.

### Outward Paths/ Call to Action

- Provide to the user aggregate **information** about **products** to store/ pick and to/ from which part of the warehouse.
- **Mark** each product as **picked/ stored**.

The screenshot displays the 'Route' section of the 'Client Orders' tab. It features a vertical list of three storage areas: A1, A2, and A3. Each area contains a table of products with columns for shelf, product, and quantity. Each product entry has a status icon (a circle with a checkmark) indicating it is picked or stored. A 'Next' button is located at the bottom right of the route section.

shelf	product	qnt.	
24	Product 1	3	✓
2	Product 2	21	✓
32	Product 3	53	✓

shelf	product	qnt.	
24	Product 1	3	✓
2	Product 2	21	✓
3	Product 3	53	✓
44	Product 3	41	✓
88	Product 3	5	✓

shelf	product	qnt.	
24	Product 1	3	✓
2	Product 2	21	✓

Next

## Other Pages



# Planning

Grão

SINF

Sales Order Picking

Project Start Date:

22/10/2018

Display Week:

1

Legend:

On Track

Low Risk

Med Risk

High Risk

Unassigned

Milestone Description	Category	Progress	Start	No. Days
<b>First Delivery</b>				
Web App Mockups	On Track	100%	22/10/2018	5
Site Map	On Track	100%	23/10/2018	4
Gantt Chart	On Track	100%	24/10/2018	4
Delivery	Goal	100%	28/10/2018	1
<b>Second Delivery - Interoperability</b>				
Primavera VM Setup	High Risk	0%	29/10/2018	4
Study of Primavera	Med Risk	0%	30/10/2018	10
Setup Web Development Environment	High Risk	0%	01/11/2018	10
Setup Database	Low Risk	0%	03/11/2018	6
First Calls to Primavera through WebAPI	Med Risk	0%	08/11/2018	8
ERP Validation	Low Risk	0%	12/11/2018	7
Functional Web Design	Med Risk	0%	14/11/2018	3
Middleware and Front End	Med Risk	0%	15/11/2018	7
Web App Views and Forms UI	Low Risk	0%	17/11/2018	6
Documentation	Low Risk	0%	17/11/2018	6
Delivery	Goal	0%	23/11/2018	1
<b>Final Delivery</b>				
Inventory Replenish algorithms	High Risk	0%	24/11/2018	10
Routing Algorithms	High Risk	0%	27/11/2018	10
Full Call Validation	High Risk	0%	04/12/2018	6
Creation of Accessory Web Pages	Low Risk	0%	09/12/2018	5
Final Front End Design	Med Risk	0%	11/12/2018	10
Delivery	Goal	0%	21/12/2018	1

