



# BookHelper

Stock Management Module



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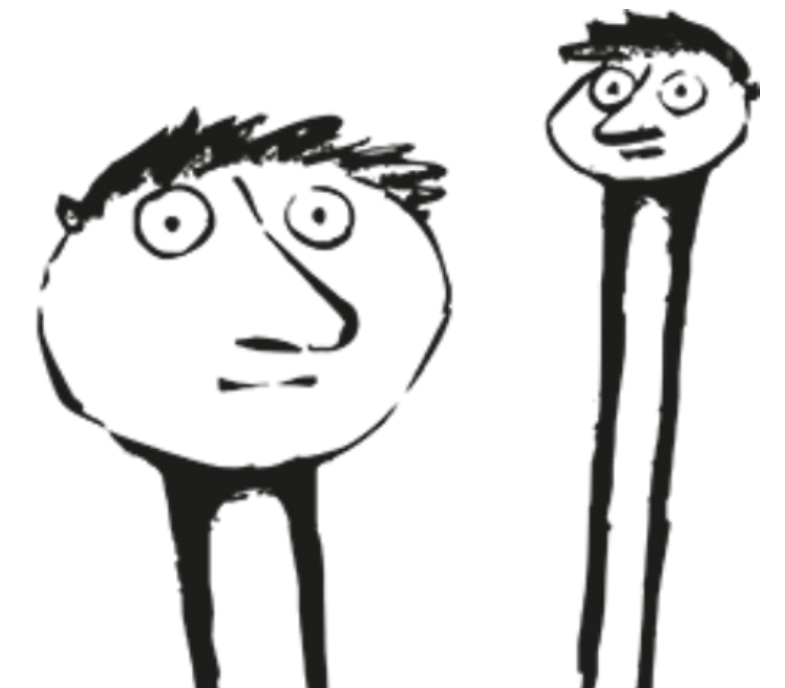


Joana Cunha - 98189



# Introduction

- Gigões & Anates
- Extensive knowledge
  - Bookseller goals and needs
    - Sell books
    - Stock Management
- Problem detection
  - Poor Stock Management
- Development proposal
  - Management Module integrated with keyinvoice for Booksellers



# Problems



## 1. Import Documents

Keyinvoice doesn't allow documents to be imported.

- Every invoice has to be imported manually
- New products must be created manually

Consequences:

- Can't reuse documents given by supplier
- Takes to much time to fulfil tasks

# Problems

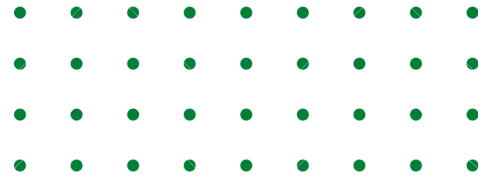


## 2. Apuramento de vendas

As livrarias funcionam com 2 armazéns diferentes:

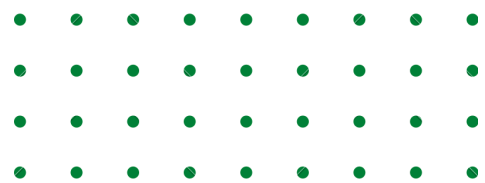
- Firme
  - Livros faturados no momento da encomenda
- Consignação
  - Livros faturados no momento do apuramento

É preciso calcular as vendas de cada fornecedor para fazer o apuramento, e, posteriormente, pagar (as vendas) e pedir reposição de stock.



# Our Goals

01. *DEVELOP SOLUTIONS  
FOR THE MENTIONED  
PROBLEMS*
02. *DEVELOP A BEAUTIFUL  
INTUITIVE AND SIMPLE  
INTERFACE*





# Persona 1

Name:	Francisco Silva
Gender:	Masculine
Age:	65 years old
Background:	Designer & Bookseller
Goals:	Sell books and grow the bookshop community
Needs:	Easy stock management

# Scenario 1

A new order just arrived and it has more than 15 unregistered new books.

Francisco wants to create all the new books.

## Importar Produtos

+ Escolher ficheiro

IMPORTAR

Exportar Template

# Task 1 (before)

STEP 1

CRIAR NOVO ARTIGO

Artigos

Filtro

Tipo de Artigo

Todos os Artigos...

Família

Todas...

Marca

Todas...

Código de Barras

Ver artigos ocultos

☐

ATUALIZAR

GERAR EXCEL

ALTERAR TAXA DE IVA

NOVO

PREENCHER  
TODOS OS  
CAMPOS

STEP 2

GERAL

PREÇOS

DESCONTOS

STOCK

EXTRAPO

WEB SITE

ARTIGOS RELACIONADOS

COMPLEMENTOS

IMPRESSORAS

Ficha de Artigo

Geral

Código

Designação

Abreviatura

Família

Marca

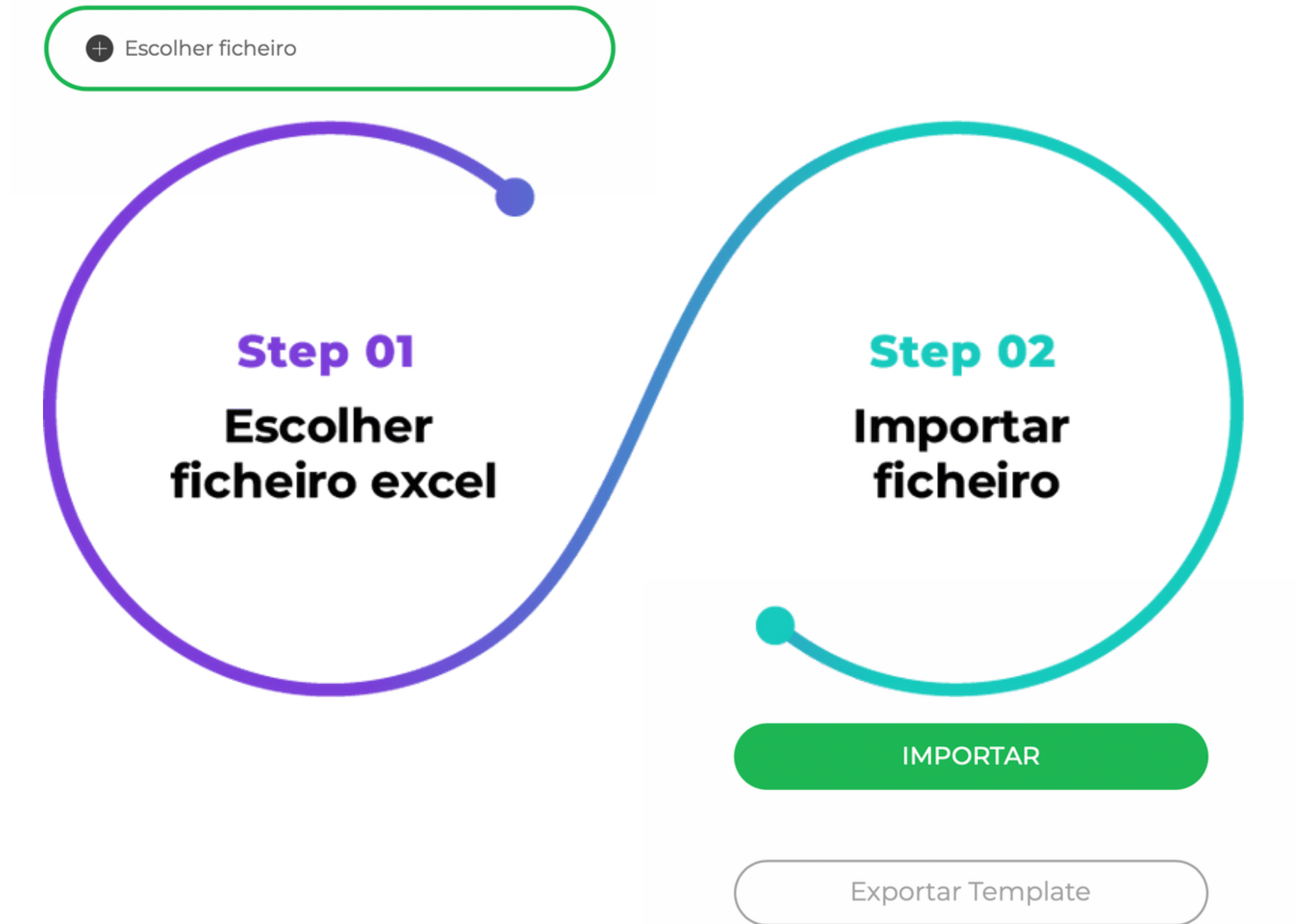
NOVO

NOVO





# Task 1 (after)



# Scenario 2

Supplier Leya requested the number of sales from the month of may so that they can charge and restock the sold books.

Francisco wants to send the file with the sales ASAP.

## Apuramento de Vendas

Escolher fornecedor

Exportar

# Task 3 (before)



# Task 2 (after)





# Persona 2

Name:	Joana Isabel
Gender:	Female
Age:	22 years old
Background:	Language student
Goals:	Earn some money
Needs:	Easy stock management

# Scenario 3

A new order just arrived and its invoice has more than 100 books.

Joana wants to log all the books so that the stocks are updated.

## Introduzir Documentos

Fatura ▼

✚ Escolher ficheiro

IMPORTAR

Exportar Template

# Task 3 (before)

STEP 1

CRIAR NOVO DOCUMENTO

KEYINVOICE.COM

Visto GeralVendasComprasStocksPOSRelatórios e UtilitáriosCRM TabelasSMS

Compras

Encomendas

Encomendas de Fornecedores  
Faturar Encomendas  
Converter Encomendas de Cliente  
Listagens  
Encomendas Pendentes

Guias

Guias de Remessa  
Guias de Consignação  
Devolução

Compras

Faturas  
Faturas Simplificadas  
Vendas a dinheiro  
Créditos Financeiros  
Débitos Financeiros

Pagamentos

Pagamentos  
Contas Correntes  
Conta Corrente de Fornecedor  
Mapa de Idade de Saldos

ADICIONAR LIVRO A LIVRO

STEP 2

Artigo	Designação	Qtd	Unidade	Preço Unitário	%Descont	%IVA	Preço	Valor
078988421048	Guia das Aves de Aquilino Ribeiro	2	UN	14.15	40	6		16.98
078988421142	De nada Alberto Pereira	1	UN	15.09	40	6		9.05
078988421203	Rosa os de 'Orpheus' / 180 the 'Or...	1	UN	14.15	40	6		8.89

Procurar Artigo

ADICIONAR ARTIGOADICIONAR SERVIÇO

0.00

DISPONÍVEL  
0.00

Ações sobre o documento

GRANAR

ANULAR

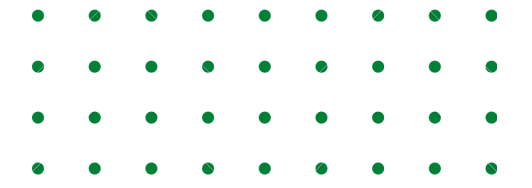


# Task 3 (after)

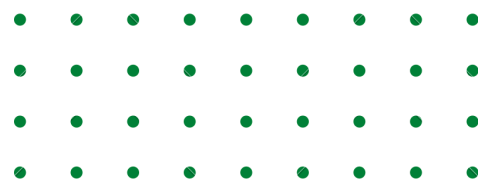




# Requirements



- ***NON-FUNCTIONAL REQUIREMENTS***
  - MUST HAVE BASIC SKILLS IN EXCEL
- ***FUNCTIONAL REQUIREMENTS***
  - SUBMIT DOCUMENTS (EXCEL...)
  - CREATE PRODUCTS FROM DOCUMENT
  - DETERMINE SALES
  - SEARCH FOR VENDOR PUBLISHERS
  - COMMUNICATE WITH KEYINVOICE API



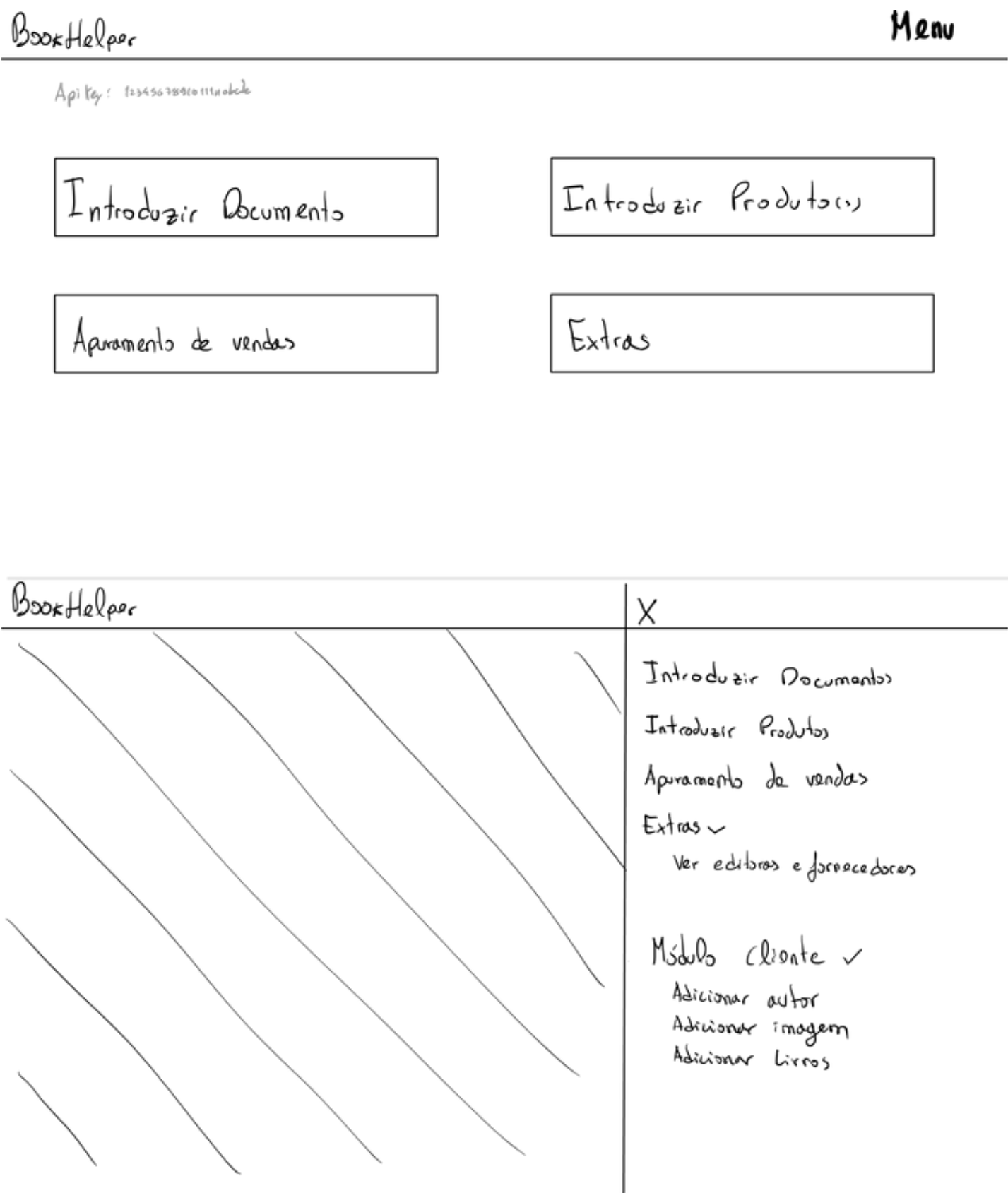
# Low Fidelity Prototype (LFP)

## BookHelper

We considered a paper prototype.

Our prototype fulfilled the main features according to our list of requirements.

- Submit documents
- Submit products
- Determine sales



# LFP User Evaluation

## LFP Usability Test

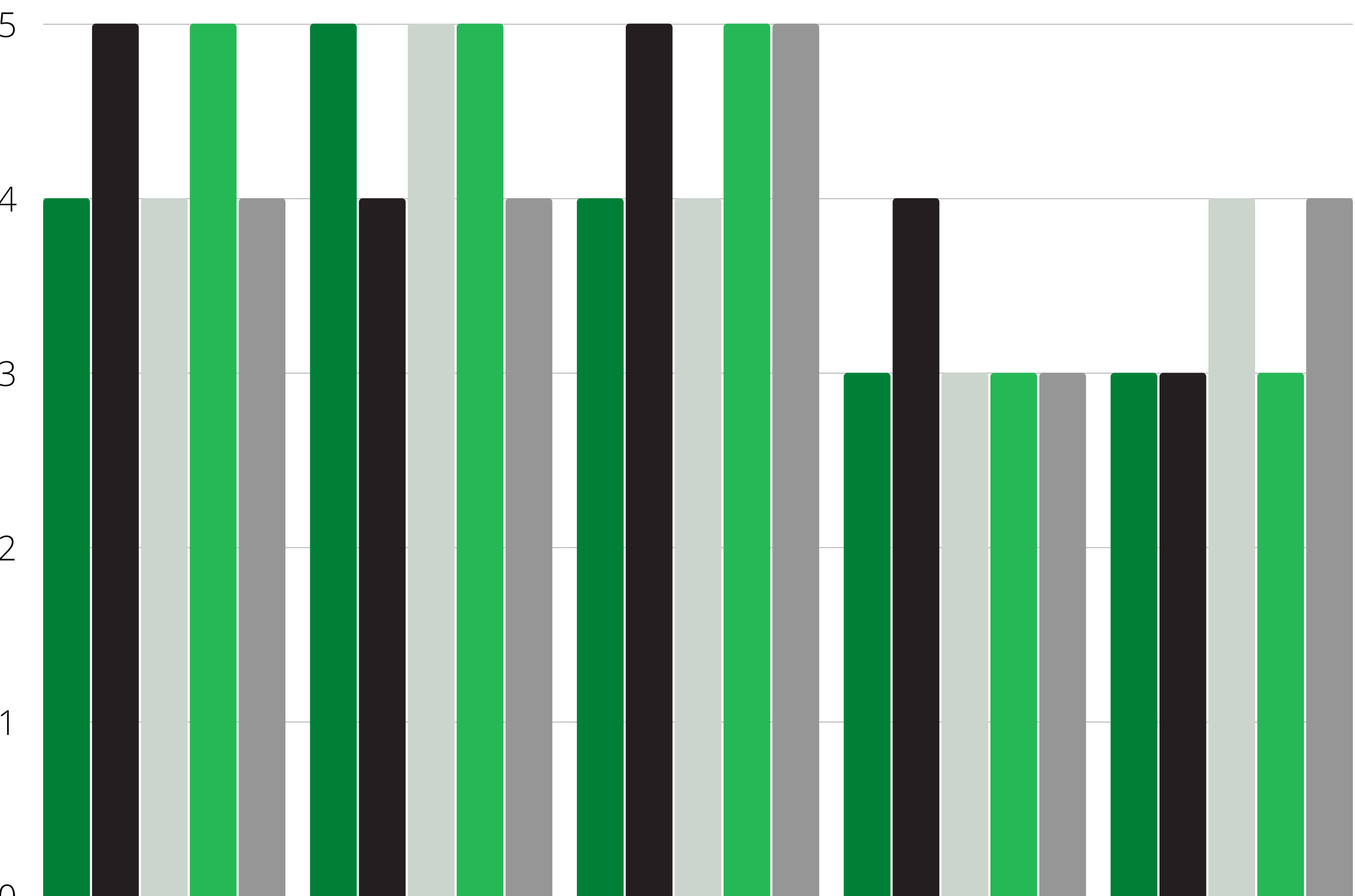
During class, 5 participants were asked to fulfil 5 tasks and grade their difficulty level (1-5 scale)

- **Tasks**

- Introduzir Fatura
- Introduzir Produtos
- Fazer um Apuramento de Vendas
- Ver editoras de um Fornecedor
- Adicionar autor João António



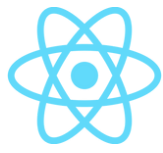
# Evaluation Results



Tasks 4, 5 needed  
further improvement

# Functional Prototype Development

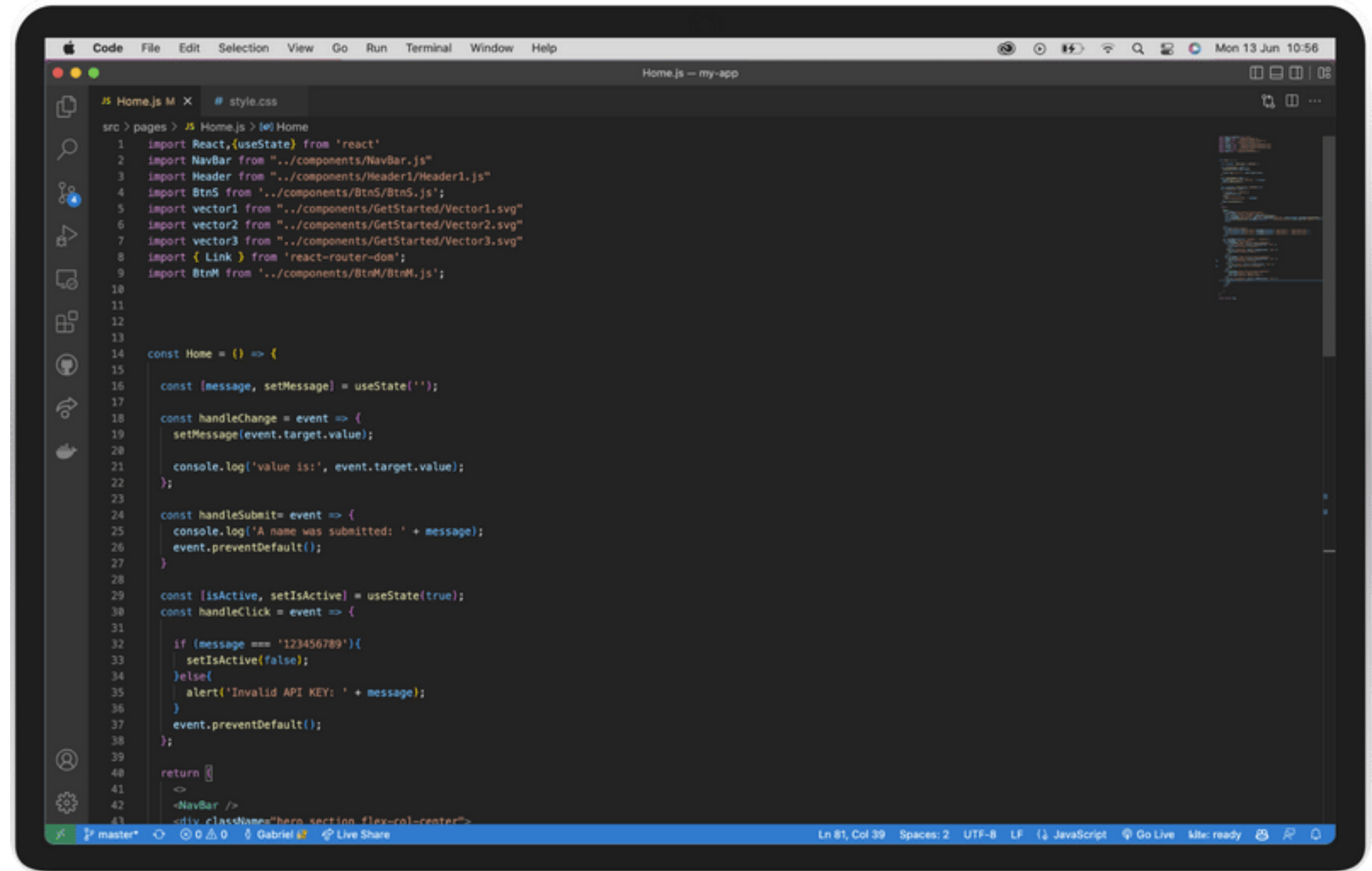
- React



- CSS



- Good for WebApp development
- Component based



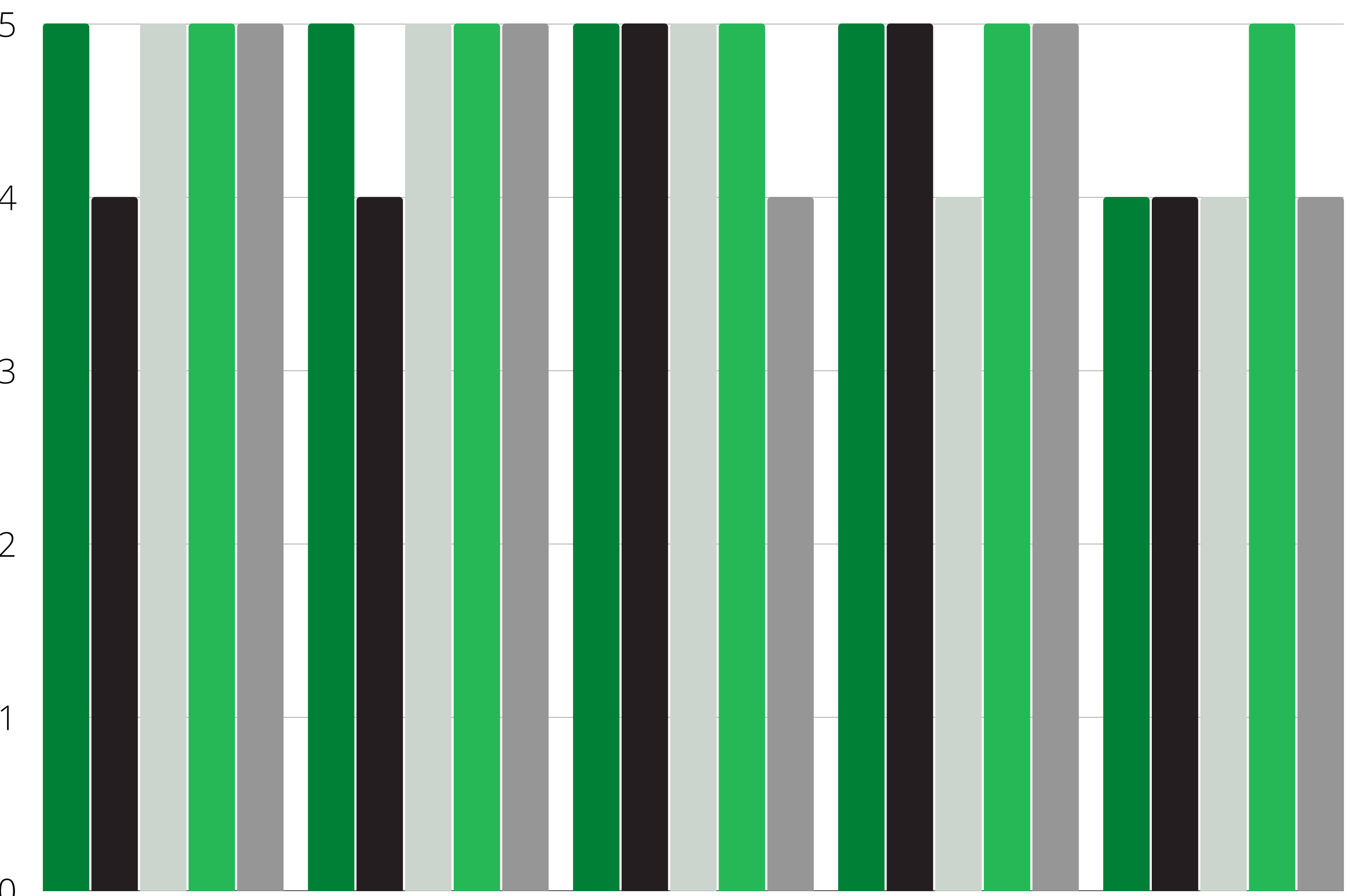
# User Evaluation- functional prototype

During class, 5 participants were asked to fulfil **the same 5 tasks** and grade their difficulty level (1-5 scale)

- Tasks
  - Introduzir Fatura
  - Introduzir Produtos
  - Fazer um Apuramento de Vendas
  - Ver editoras de um Fornecedor
  - Adicionar autor João António



# Evaluation Results



We observed  
improvement in all  
tasks

# Changes after evaluation

After the results, we had to do some changes and develop new features.

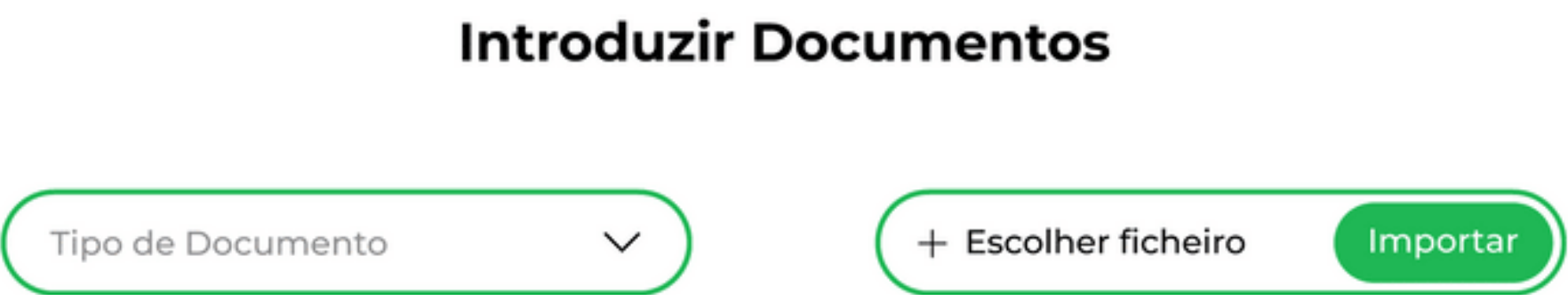
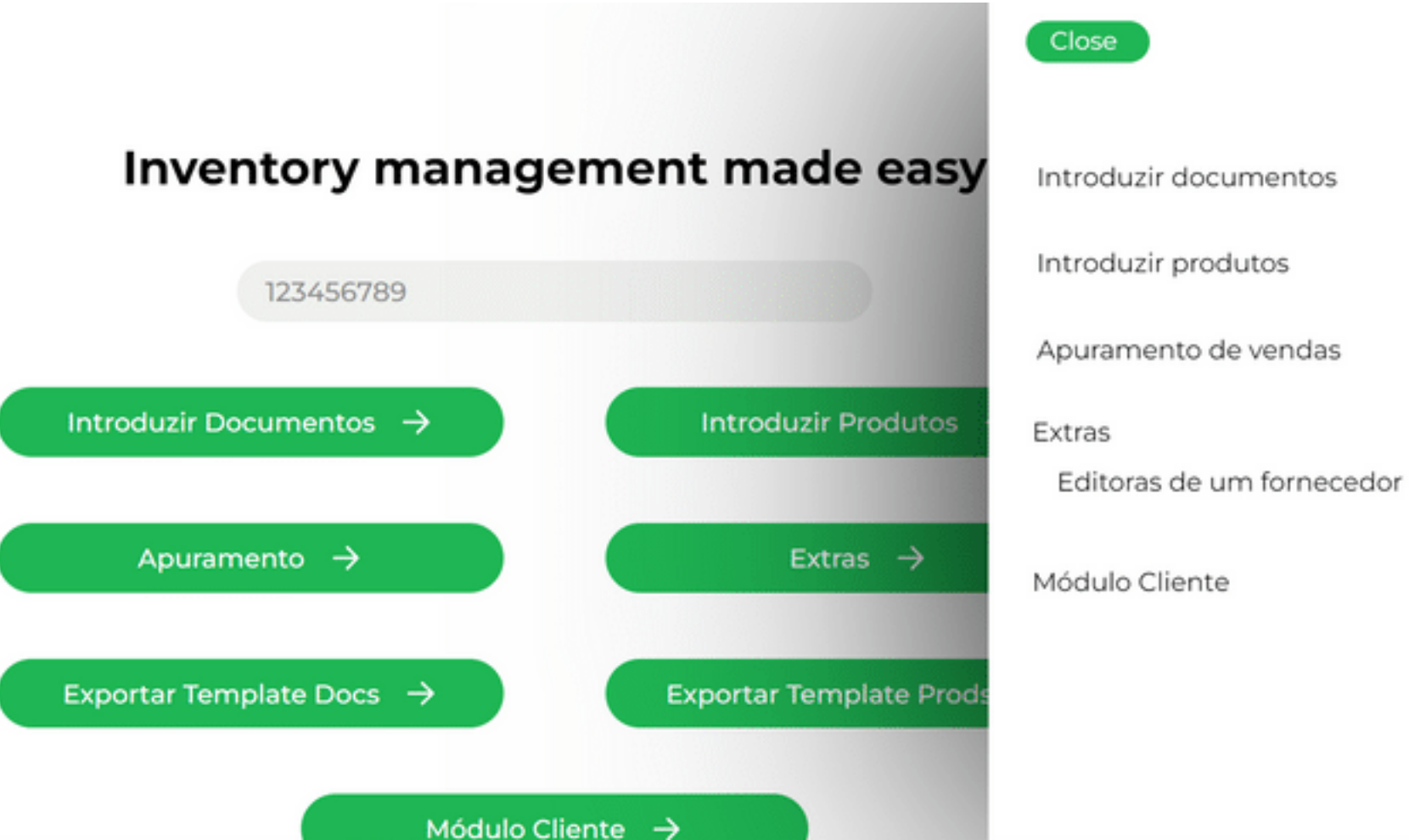
## New features

- Make the task 4 (Ver editoras de um Fornecedor) more explicit in the menu.
- Na tarefa 1,2,3 colocar botão de import mais visível e intuitivo.

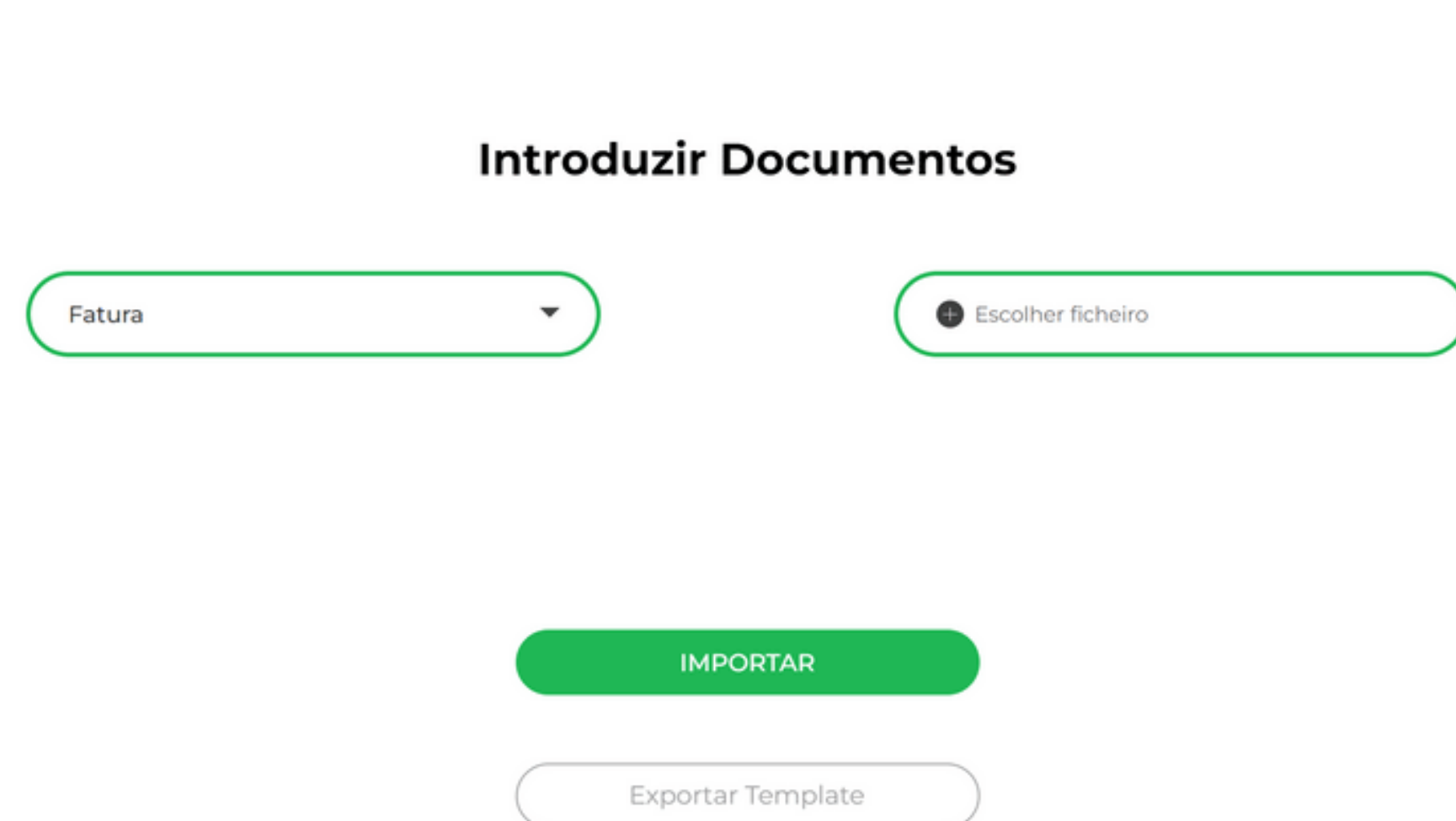
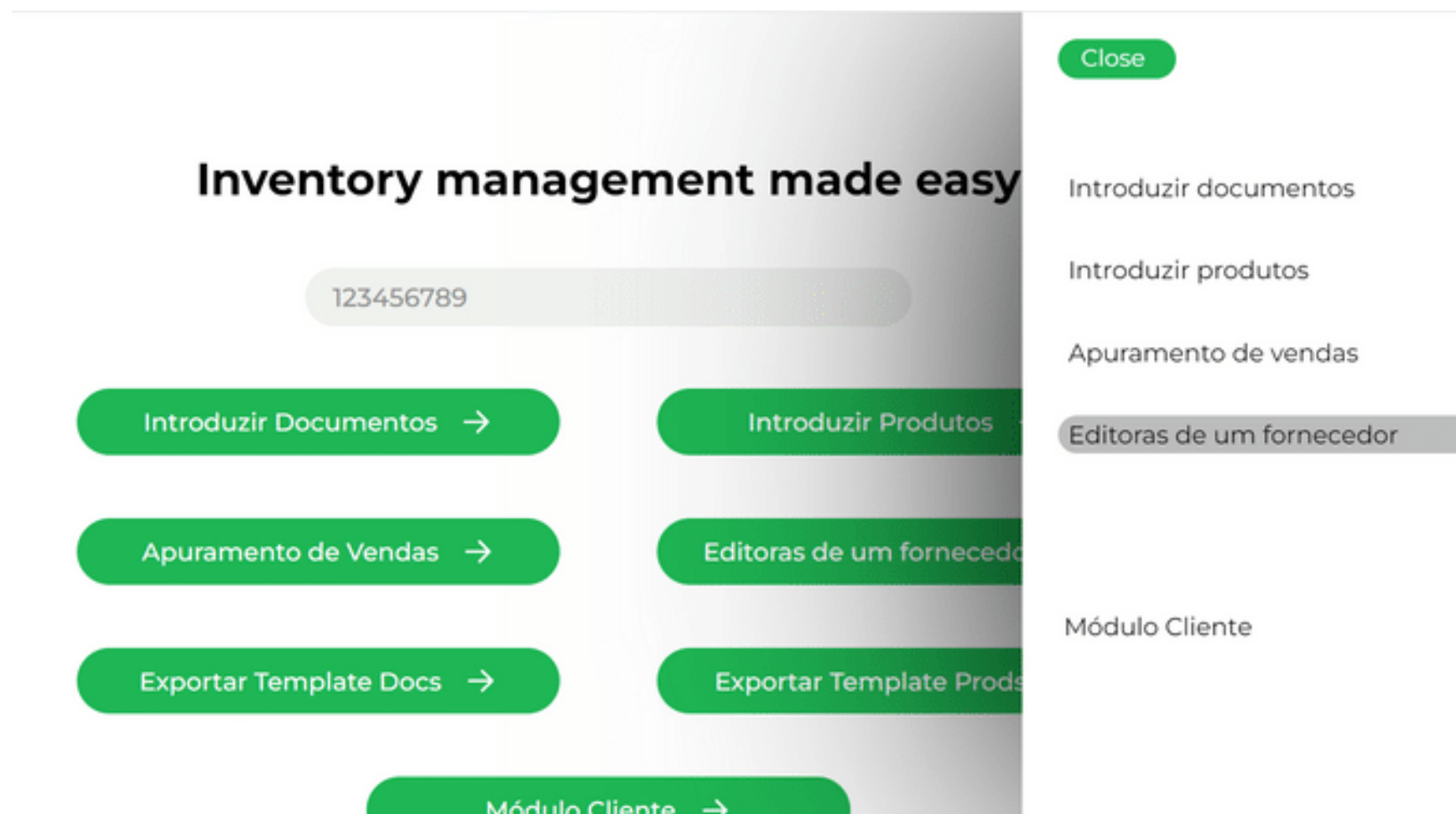


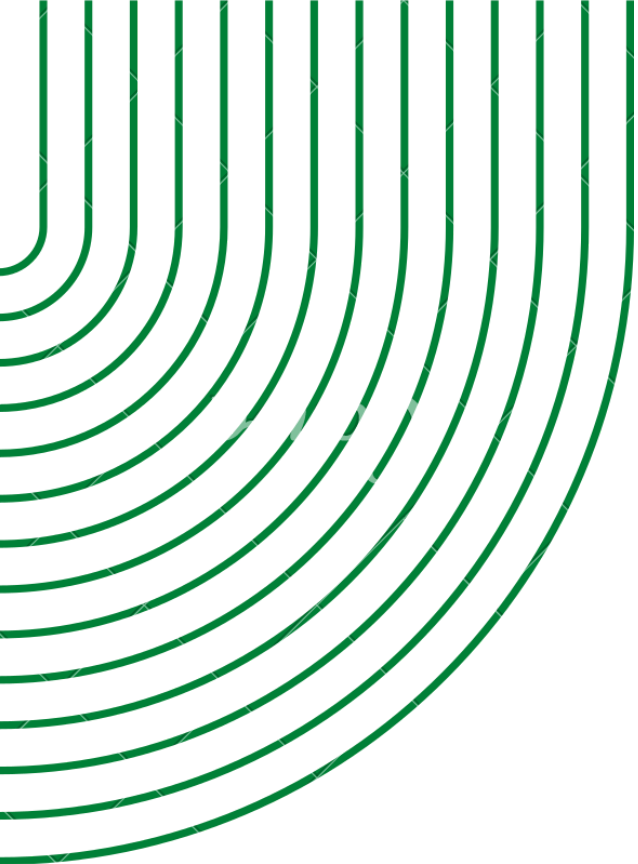


# Before

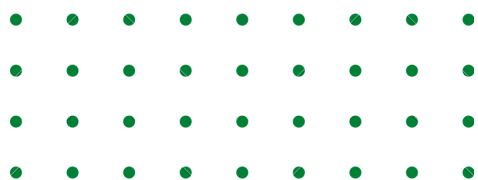


# After





# BookHelper



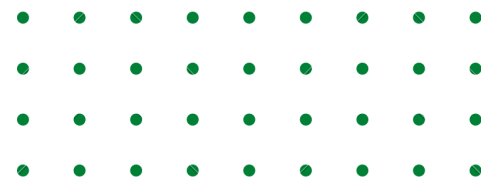
# Future work

We pretend to continue the project.

## Next steps

- Develop backend
- Correct some design issues and test it.





# Thank You

## Effort of each group member

Gabriel Hall: 33%

Joana Cunha: 33%

Leonardo Flório: 33%

