

FRUITICART

Presentation by
Loévan Le Quernec, Louise Ferreira,
Joshua Bornet, Julien Lempereur

TODAY'S AGENDA

- Introduction
- Organization in the team
- Database
- Website
- Next steps
- Conclusion



INTRODUCTION

The "FruitCart" project is aimed at developing a robust e-commerce platform specializing in fresh fruits and vegetables. This platform will enable customers to effortlessly browse, select, and purchase a wide variety of high-quality products. The primary objective is to enhance the online shopping experience for users by offering convenience and quality.

ORGANIZATION

A FAIRE 2

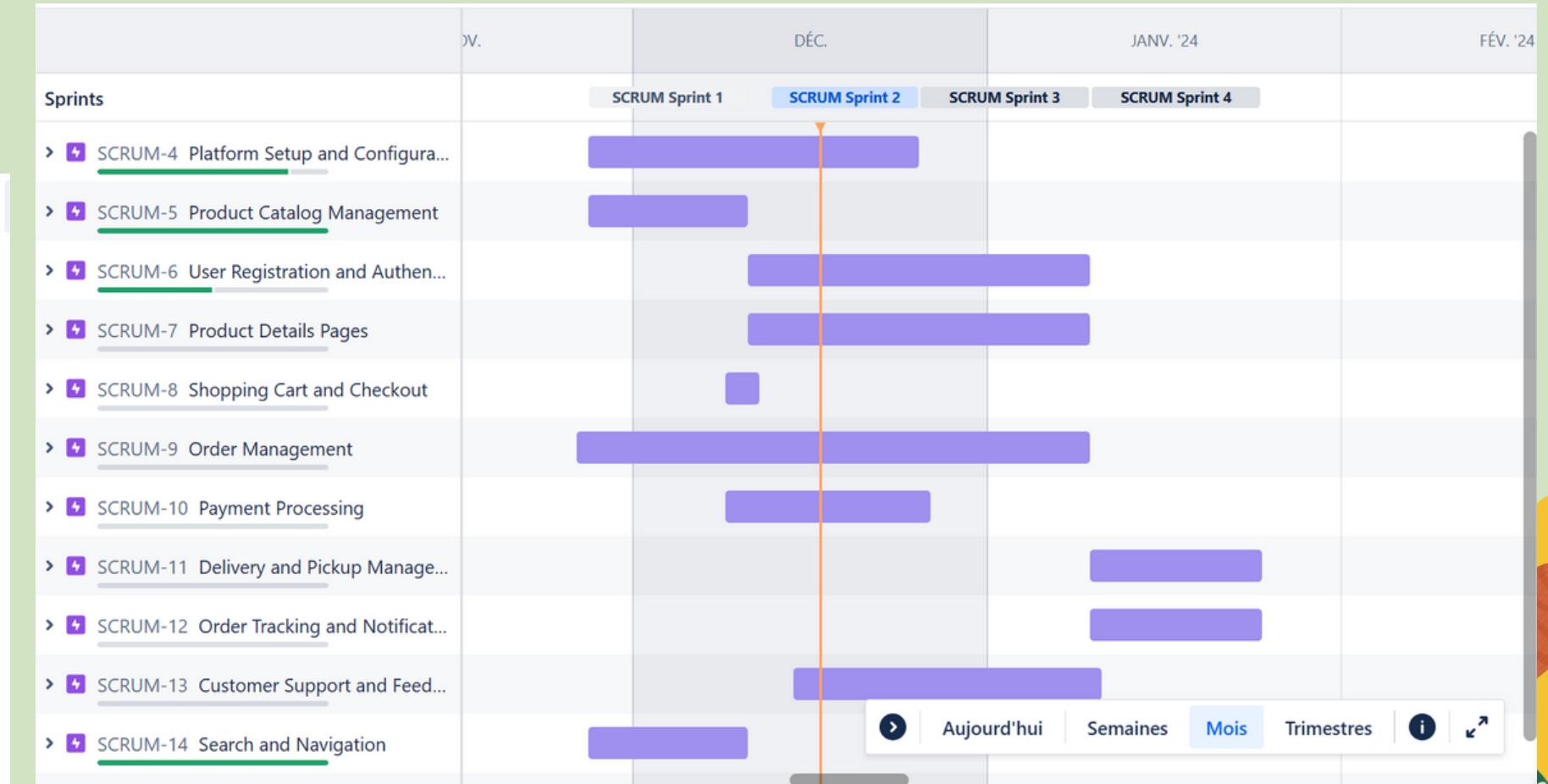
- product pages for each item.
PRODUCT DETAILS PAGES
SCRUM-42 13 JB
- Implement user registration and authentication to enable customers to create accounts.
USER REGISTRATION AND AUTHENTICATION
SCRUM-38 5 JL

EN COURS 2

- friendly checkout process, allowing customers to initiate the checkout process.
SHOPPING CART AND CHECKOUT
SCRUM-46 5 FL
- connect our database sql with python to have our siteweb
PLATFORM SETUP AND CONFIGURATION
SCRUM-69 2 FL

FINI 3 ✓

- specify the quantity or weight of the produce they want to order and add items to the shopping cart from the product page.
PRODUCT DETAILS PAGES
SCRUM-44 ✓ 1 JB
- Develop a shopping cart system for customers to add and manage their selected items.
SHOPPING CART AND CHECKOUT
SCRUM-45 ✓ 13 LL
- Implement the ability for customers to adjust the quantity of each item in the shopping cart and remove products.
SHOPPING CART AND CHECKOUT
SCRUM-47 ✓ 5 LL



ORGANIZATION

SCRUM Sprint 2 13 déc. – 25 déc. (7 tickets)				18	7	19	Terminer le sprint	...
Product Details Pages, Shopping Cart and Checkout								
SCRUM-42 Design and create detailed product pages for each item.	PRODUCT DETAILS P...	À FAIRE	13	JB				
SCRUM-44 Ensure that users can easily specify the quantity or weight of the produce they ...	PRODUCT DETAILS P...	TERMINÉ(E)	1	JB				
SCRUM-45 Develop a shopping cart system for customers to add and manage their select...	SHOPPING CART AND...	TERMINÉ(E)	13	LL				
SCRUM-46 Create a smooth and user-friendly checkout process, allowing customers to init...	SHOPPING CART AND...	EN COURS	5	FL				
SCRUM-47 Implement the ability for customers to adjust the quantity of each item in the sh...	SHOPPING CART AND...	TERMINÉ(E)	5	LL				
SCRUM-38 Implement user registration and authentication to enable customers to create a...	USER REGISTRATION ...	À FAIRE	5	JL				
SCRUM-69 connect our database sql with python to have our siteweb	PLATFORM SETUP AN...	EN COURS	2	FL				

Création	↓	Epi
Search and Navigation		
SCRUM-14	JB	
Customer Support and Feedback		
SCRUM-13	FL	
Order Tracking and Notifications		
SCRUM-12	LL	
Delivery and Pickup Management		
SCRUM-11	FL	

ORGANIZATION

1 Introduction

Décrivez l'objet du document.

The "FruitCart" project is aimed at developing a robust e-commerce platform specializing in fresh fruits and vegetables. This platform will enable customers to effortlessly browse, select, and purchase a wide variety of high-quality produce. The primary objective is to enhance the online shopping experience for users by offering convenience and quality.

1.1 Portée du produit

Dressez la liste des avantages et objectifs du produit.

- The "FruitCart" project intends to:Provide a seamless and user-friendly online shopping experience.
- Offer a diverse range of fresh fruits and vegetables to customers.
- Ensure convenience, choice, and quality in every purchase.

1.2 Valeur du produit

Décrivez la valeur ajoutée apportée par le produit au public cible.

The product will provide a valuable solution by offering customers access to fresh produce easily, ultimately saving time and enhancing their shopping experience.

1.3 Public cible

Indiquez à qui s'adresse le produit en priorité.

- Primary users are customers looking to purchase fresh fruits and vegetables.
- Secondary users include shop owners and administrators responsible for managing the platform.

1.4 Utilisation prévue

Décrivez l'utilisation que fera le public cible du produit.

The software is intended for users seeking to buy fresh produce online, facilitating a convenient shopping process.

1.5 Description générale

Résumez les fonctions prévues pour le logiciel et les fonctionnalités à y intégrer.

We are going to have an SQL database created through a detailed catalog of fruits and vegetables prepared beforehand. Then, using this database, we will establish connectivity to Python to create a functional website for users to make online purchases. The website will include a login feature and an online payment platform, with the order total and the number of items updated in real-time. Users will have access to statistics and real-time stock information.

4. Exigences métiers

Degré de priorité	Degré de criticité	Description de l'exigence
1	critical	Platform Development
2	high	Product Catalog Setup
3	critical	Payment Integration
4	high	Delivery and Pickup Options
5	high	User Account Management

5. Principales parties prenantes

Nom	Fonction	Responsabilités
Loévan Le Quemec	Lead Developer	Design and develop the e-commerce platform, manage tech
Louise Ferreira	Project Manager	Oversee the entire project, coordinate teams, ensure adher
Joshua Bornet	Director of Operations	Validate major project decisions, allocate financial and mate
Julien Lempereur	Scrum Master	facilitates the Scrum agile methodology by guiding the deve
Sophie Bernard	Customer	Use the platform to place orders, provide feedback on the u

6. Contraintes du projet

Contrainte	Description
Project Risks	Market competition and changing consumer preferences pose risks to project success.
Team Availability	Development team availability may lead to delays in project milestones.
Resource Limitations	Limited access to product images and information may affect catalog completeness.
Project Dependencies	Third-party service dependencies introduce potential delays.
Deadlines	Strict project deadlines require on-time completion.

7. Analyse coût-avantage

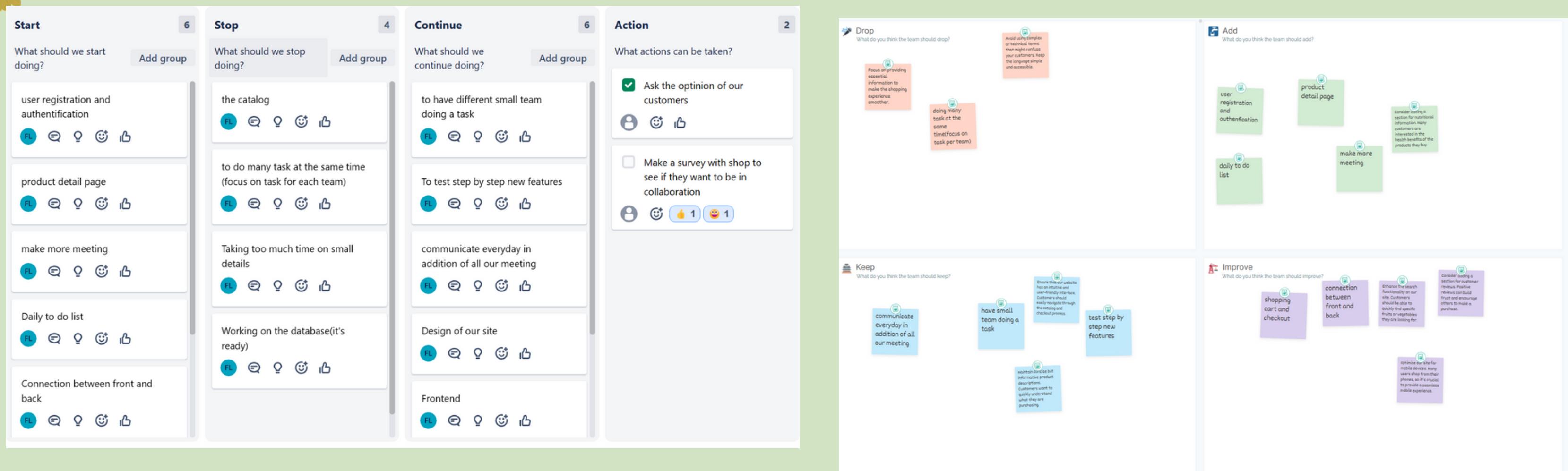
Coût	Avantage
Development expenses: \$80,000	Enhanced user experience
Marketing and advertising: \$10,000	Increased annual revenue
Hosting and server expenses: \$5,000	Improved platform performance
Operational costs: \$3,000	Streamlined order processes
Coût total : \$98,000	ROI attendu : \$52,000

asana

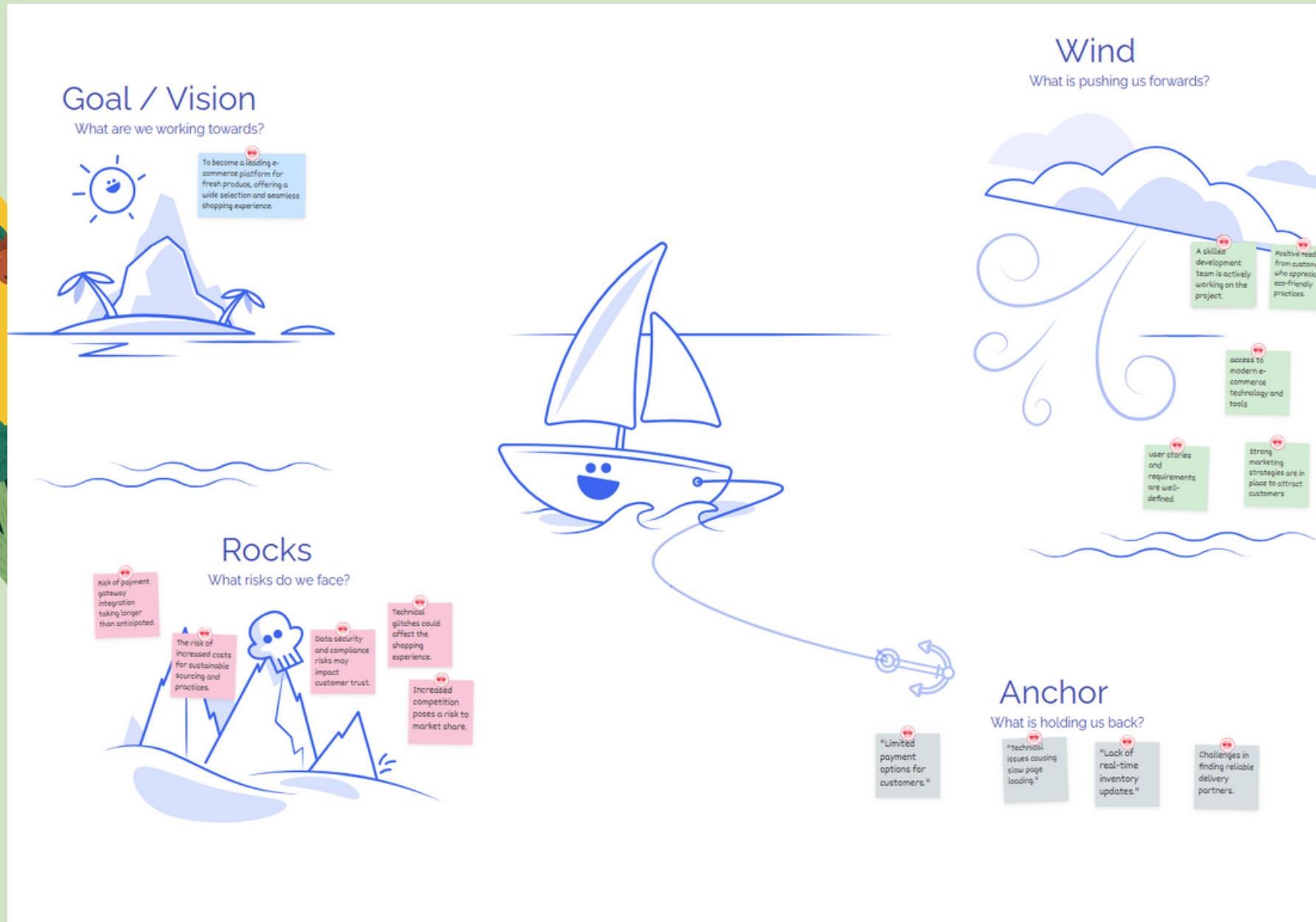
SRS

BRD

ORGANIZATION



ORGANIZATION



Active Stories	0	Completed Stories	16	All Stories	16
TITLE:		EST.:	TIME:		
Access Product Details: When selecting a specific fruit or vegetable, access a detailed product page with additional information, such as nutritional details, farming practices, and source.	13	00:00:09			
Specify Quantity: On the product page, specify the quantity or weight of the produce I want to order.	8	00:00:12			
Add to Cart: Add the selected items to my virtual shopping cart.	20	00:00:13			
Adjust Cart: Have the flexibility to adjust the quantity of each item or remove products from the cart.	8	00:00:13			
Review Cart: View a summary of the chosen items in my shopping cart, including quantity, unit price, and the total cost.	40	00:00:25			
Checkout Process: Initiate a user-friendly checkout process, selecting either delivery to my specified address or pickup from a nearby location.	13	00:00:41			
Browse a Selection: Easily explore a diverse and well-organized list of fresh fruits and vegetables available for purchase.	20	00:00:11			
Detailed Product Listings: View each product listing with clear images, the name of the produce, a brief description, the price per unit or weight, and availability status.	5	00:00:11			
Search and Filter: Have the ability to filter and search for specific fruits and vegetables by	40	00:00:20			

DATABASE

MySQL database

```
-- create tables
CREATE TABLE IF NOT EXISTS fidelity (
    `type` ENUM('Gold','Silver','Without') NOT NULL PRIMARY KEY,
    discount DECIMAL(5,2)
);

CREATE TABLE IF NOT EXISTS `client` (
    mail VARCHAR(50) NOT NULL PRIMARY KEY,
    `password` VARCHAR(50),
    first_name VARCHAR(30),
    last_name VARCHAR(30),
    phone_number VARCHAR(10),
    address VARCHAR(50),
    postal_code VARCHAR(5),
    credit_card VARCHAR(16),
    `type` ENUM('Gold','Silver','Without') NOT NULL
);

CREATE TABLE IF NOT EXISTS `order` (
    order_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
    order_date DATE,
    delivery_date DATE,
    delivery_address VARCHAR(50),
    delivery_postal_code VARCHAR(5),
    `status` ENUM('Pending','Confirmed','In transit','Delivered','Cancelled'),
    total_price DECIMAL(10,2),
    mail VARCHAR(50) NOT NULL
);

CREATE TABLE IF NOT EXISTS product (
    product_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY
);

CREATE TABLE IF NOT EXISTS fruit (
    fruit_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
    `name` VARCHAR(30),
    price DECIMAL(5,2),
    origin VARCHAR(30),
    product_id INT NOT NULL
);

CREATE TABLE IF NOT EXISTS vegetable (
    vegetable_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
    `name` VARCHAR(30),
    price DECIMAL(5,2),
    origin VARCHAR(30),
    product_id INT NOT NULL
);

CREATE TABLE IF NOT EXISTS order_detail (
    order_id INT NOT NULL,
    product_id INT NOT NULL,
    quantity INT
);

CREATE TABLE IF NOT EXISTS warehouse (
    warehouse_id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
    address VARCHAR(50),
    postal_code VARCHAR(5),
    `zone` ENUM('North','South','East','West')
);

CREATE TABLE IF NOT EXISTS stock (
    warehouse_id INT NOT NULL,
    product_id INT NOT NULL,
    quantity INT
);
```

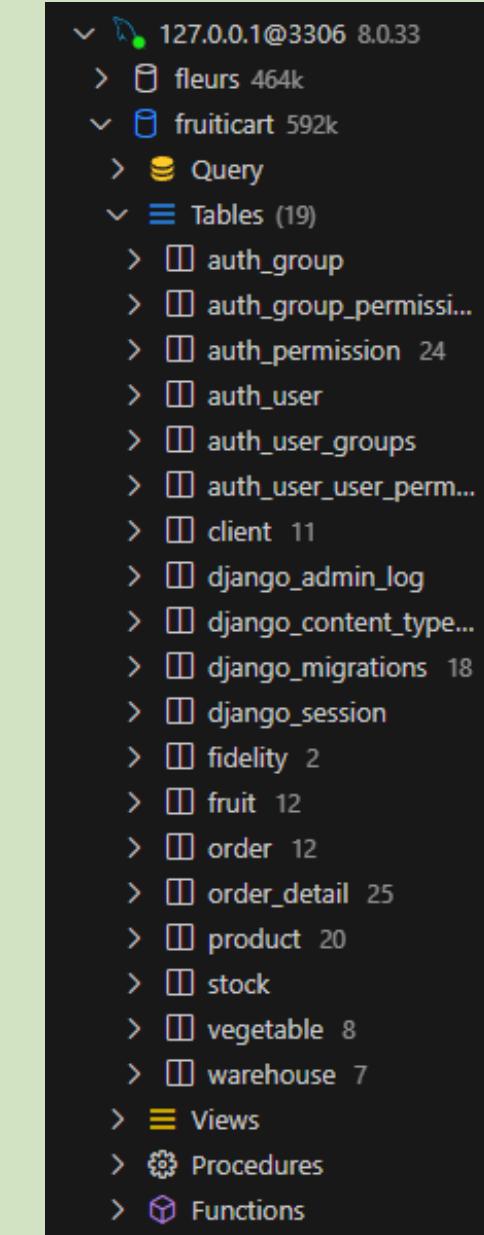
	Q	fruit_id	name	price	origin	* product_id
		int	varchar(30)	decimal(5,2)	varchar(30)	int
	1	1	Apple	1.50	France	1
	2	2	Banana	2.00	Spain	2
	3	3	Orange	1.00	Italy	3
	4	4	Pear	1.50	France	4
	5	5	Pineapple	2.00	Spain	5
	6	6	Strawberry	1.00	Italy	6
	7	7	Cherry	1.50	France	7
	8	8	Grape	2.00	Spain	8
	9	9	Lemon	1.00	Italy	9
	10	10	Watermelon	1.50	France	10
	11	11	Kiwi	2.00	Spain	11
	12	12	Peach	1.00	Italy	12

DATABASE

MySQL database

```
# Database
# https://docs.djangoproject.com/en/4.2/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'fruiticart',
        'USER': 'root',
        'PASSWORD': 'root',
        'HOST': '127.0.0.1',
        'PORT': '3306',
    }
}
```



The screenshot shows the MySQL Workbench interface with the 'fruiticart' database selected. The tree view on the left lists tables, queries, views, procedures, and functions. The 'Tables (19)' node is expanded, showing 19 tables: auth_group, auth_group_permissions, auth_permission, auth_user, auth_user_groups, auth_user_user_permissions, client, django_admin_log, django_content_type, django_migrations, django_session, fidelity, fruit, order, order_detail, product, stock, vegetable, and warehouse. The 'Views', 'Procedures', and 'Functions' nodes are collapsed.

- > 127.0.0.1@3306 8.0.33
- > fleurs 464k
- > fruiticart 592k
 - > Query
 - > Tables (19)
 - > auth_group
 - > auth_group_permissions
 - > auth_permission 24
 - > auth_user
 - > auth_user_groups
 - > auth_user_user_permissions
 - > client 11
 - > django_admin_log
 - > django_content_type...
 - > django_migrations 18
 - > django_session
 - > fidelity 2
 - > fruit 12
 - > order 12
 - > order_detail 25
 - > product 20
 - > stock
 - > vegetable 8
 - > warehouse 7
 - > Views
 - > Procedures
 - > Functions

WEBSITE

FruitCart: Fresh Produce at Your Fingertips

Your source for the freshest fruits and VeggieBalls

Welcome to FruitCart, your go-to destination for the freshest fruits and VeggieBalls. Our commitment is to provide you with high-quality, delicious produce that you can conveniently order online. Explore our selection and experience the taste of freshness today!

[Order Now](#)

© 2023 FruitCart: Fresh Produce at Your Fingertips



WEBSITE

FruitCart: Fresh Produce

Select quantity for each fruit and vegetable



Orange

Price: 1.64€/kg

Quantity:



Apple

Price: 1.99€/kg

Quantity:

Garlic

Price: 4.09€/500g

Quantity:



Eggplant

Price: 4.58€/kg

Quantity:

[Add to Cart](#)

[Go to Cart](#)

Gmail YouTube Maps ORTUS

127.0.0.1:8000 indique

Items added to the cart!

OK



Garlic

Price: 4.09€/500g

WEBSITE

FruitCart: Checkout

Provide delivery and payment information

Full Name:

Delivery Address:

City:

Country:

Credit Card Number:

Expiry Date:

CVV:

CVV:

Delivery Option:

Confirm Order

garlic	1
eggplant	1

Shopping Cart

1

1

Total Price: \$8.67

© 2023 FruitCart: Checkout

Remove
Remove

NEXT STEPS

Sprint 2

- Connection between Back and Front
- Implementation of user registration

Sprint 3

- Notification for the customer
- Calculate the final price with taxes
- Collect and process payment details from customers
- Provide nutritional information
- Management of the stock
- Implement secure payment process
- Order management system

NEXT STEPS

Sprint 4

- Set up the delivery system that calculates delivery fees
- Establish a Network of pickup locations
- Allow customer to select their preferred delivery address or pickup point
 - Include estimated delivery
 - Collect customer details
- Integrate customer support features
- Allow customers to provide feedback
- Have some statistic about our shop



ANY QUESTIONS?