pa
PA: Product and Presentation

A9: Product

The Cappuccino web application was developed throughout multiple stages during the semester. Utilizing the Laravel Framework for the dynamic web pages and PostgreSQL for the database, we believe we have reached the expected goal for this project.

The website was created with the purpose of establishing an online shop where users can buy and review their products of choice with just a single click. It is designed so that everyone is able to use it on a daily basis, with the aim of making grocery shopping much easier.

1. Installation

The release with the final version of the source code in the group's Git repository is available [here](#), in PA tag.

Full Docker command to launch the image available in the group's GitLab Container Registry using the production database:

```
docker run -it -p 8000:80 --name=lbaw2345 -e DB_DATABASE="lbaw2345" -e DB_SCHEMA="lbaw2345" -e DB_USERNAME="lbaw2345" -e
```

2. Usage

The final version of the website is available at https://lbaw2345.lbaw.fe.up.pt/

2.1. Administration Credentials

> Administration URL: URL

Email	Password
lbaw2345@gmail.com	teste123

2.2. User Credentials

Type	Username	Password
Basic Account	thegoodmansaul@gmail.com	teste123
Basic Account	mlgpescator@gmail.com	teste123

3. Application Help

Some helps were implemented and can be visualized on alert messages on some actions and on some static pages: "FAQ", "About us" and "Features".

You can access these pages by pressing the buttons that are always placed in the bottom bar. In this bar we also display the contact us information.

The FAQ page has the most frenquently asked questions with the respective answer.

Cappuccino

Search...

Logout

Fresh Produce   Beverages   Dairy & Eggs   Bakery   Meat & Seafood   Pantry Staples   Snacks   Frozen Foods   Health & Beauty   Household   Baby & Kids   Pet Supplies   Organic

Frequently Asked Questions

What is Cappuccino?

Cappuccino is a project aimed at developing an online grocery shop, marketed for users that wish to do their grocery shopping online in a more convenient, user-friendly way.

Can I leave feedback on the products I have purchased?

How can I contact customer support?

Do you offer free shipping?

Quick Links
Frequently Asked Questions
Features
About Us

Payment Methods

Contact Us
✉ geral@cappuccino.com
📞 +351 912 345 678

The About Us page has information about our story, our mission and why users should choose us.

About Us

Welcome to Cappuccino - your ultimate online grocery shopping destination!

Our Story

At Cappuccino, we aim to revolutionize the way people shop for groceries. Our journey began with a simple idea: to make grocery shopping more convenient, efficient, and enjoyable for everyone. We understand the importance of quality products and exceptional service, and we strive to deliver both.

Our Mission

Our mission is to provide our customers with an accessible and engaging shopping experience. We source the finest products, offer a wide variety of options, and ensure timely delivery to your doorstep. We are committed to exceeding your expectations at every step.

Why Choose Cappuccino?

- Wide range of high-quality products (always)
- Convenient and user-friendly online shopping platform (definitely)
- Reliable and timely delivery (mostly)
- Exceptional customer service (not Carlos)

Contact Us

If you have any questions or suggestions, feel free (not) to contact us:

Email: betterticketcarlos@cappuccino.com

Phone: 1-800-PESCATOR

The Features page has some information about the numbers our website is outputing,for example number of current users.

44 products available!

From fresh produce to pantry staples, household essentials to delectable treats, our shelves boast a diverse selection catering to every need. Experience the ease of finding everything you desire under one roof, thanks to our high precision search feature and the flexibility offered by our sort and filter mechanisms.

4. Input Validation

In the backend, we utilize Illuminate\Http\Request to validate various input types. This provides us with access to the "validate" method, which proves invaluable for verifying form submissions such as those for editing profiles or logging in.

On the frontend, we implement validations to ensure the integrity of input fields. For instance, in fields like the price input, we enforce numeric constraints, preventing users from entering text or other invalid data.
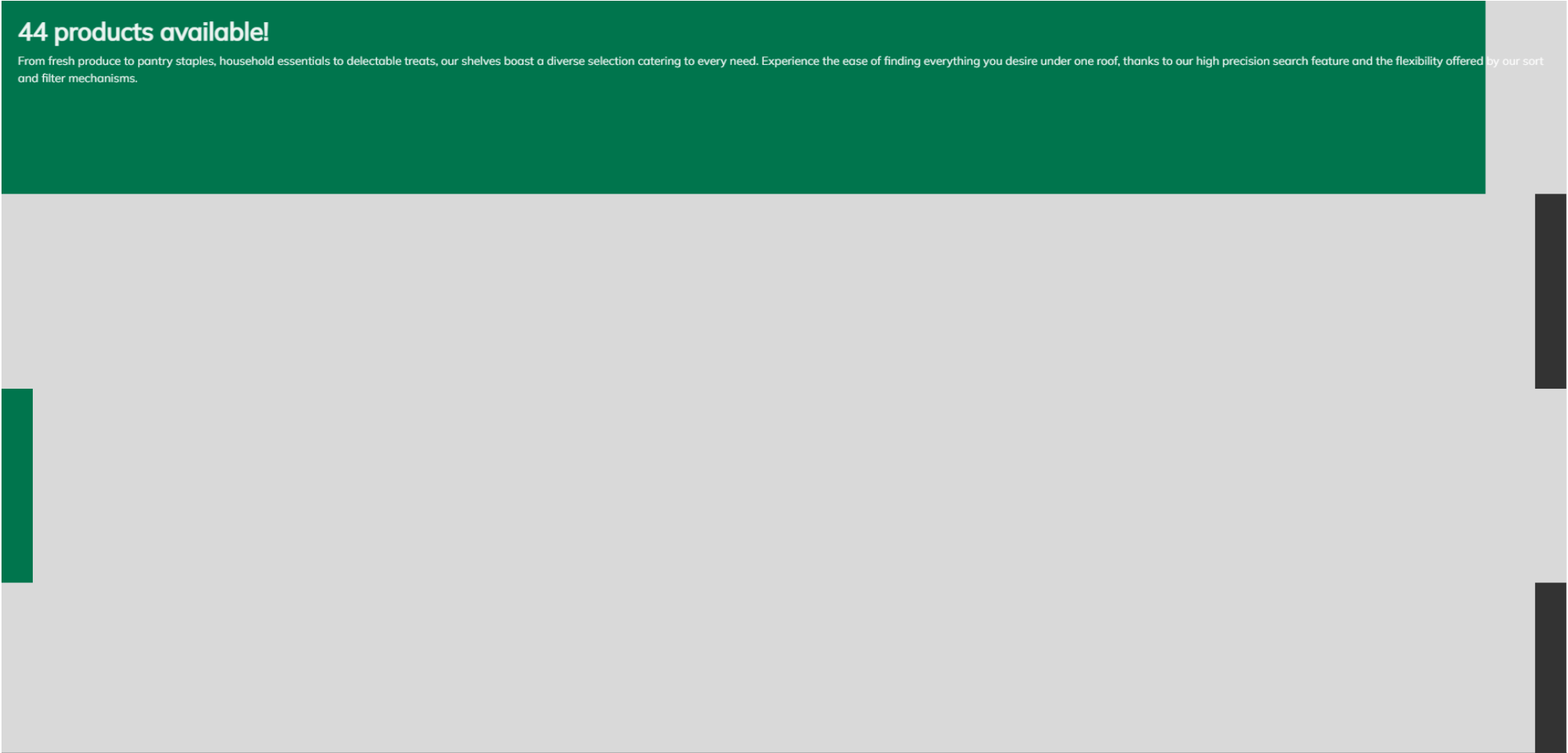
```php
$request->validate([
    'username' => 'required|string|max:250|unique:users',
    'email' => 'required|email|max:250|unique:users',
    'password' => 'required|min:8|confirmed'
]);
```

```html
<label for="date_of_birth">Date of Birth</label>
<input id="dateofbirth" type="date" name="date_of_birth" value="{{ $user->date_of_birth }}" class="form-control" required autofocus>
@if ($errors->has('date_of_birth'))
```

5. Check Accessibility and Usability

Accessibility (16/18): https://ux.sapo.pt/checklists/acessibilidade/
Usability (26/28): https://ux.sapo.pt/checklists/usabilidade/

6. HTML & CSS Validation

We executed the HTML validation (https://validator.w3.org/nu/) on three different pages:

- Login
- Main
- Search Category

We executed the CSS validation (https://jigsaw.w3.org/css-validator/) on three different pages:

- Login
- Main
- Product

7. Revisions to the Project

Changed all attributes to snake case to be compatible with Laravel default mode.

Added address, country, zip_code, city to Order.

Added phone_number and role to user.

Changed notification triggers.

Created a trigger to delete notifications.

Changed FTS for products.

8. Implementation Details

8.1. Libraries Used

- Laravel - server-side management
- Bootstrap - frontend (more responsive)
- FontAwesome - icons
- Pusher - notifications
- Scheduler - promotions
- Storage - images
- Stripe - payments

8.2 User Stories

Identifier	Name	Module	Priority	Team Members	State
US01	Search Items	Module M04	High	João, **Carlos**, Tomás, Miguel	100%
US02	Exact Match Search	Module M04	High	João, Carlos, **Tomás**	100%
US03	Full-text Search	Module M04	High	João, Carlos, **Tomás**	100%
US04	View Home	Module M05	High	**Tomás**	100%
US05	View FAQ	Module M05	High	**Miguel**	100%
US06	View About	Module M05	High	**Miguel**	100%
US07	View Contacts	Module M05	High	Carlos, **Miguel**	100%
US08	View Product Page	Module M03	High	**Carlos**, Tomás	100%
US09	Order Search	Module M04	High	**Carlos**, João, Miguel	100%
US010	Add to Cart	Module M03	High	Carlos, **Tomás**	100%
US011	Search Filters	Module M04	Medium	João, **Carlos**, Miguel	100%
US012	Search over multiple attributes	Module M04	Medium	João, **Carlos**, Miguel	100%
US013	Manage Shopping Cart	Module M03	Medium	**Tomás**	100%
US014	Browse Product Categories	Module M03	Medium	**Tomás**	100%
US015	Product Recommendations	Module M03	Low	Tomás, **Miguel**, João	100%
US11	Sign-in	Module M01	High	**Miguel**	100%
US12	Sign-up	Module M01	High	**Miguel**	100%
US13	Recover Password	Module M01	Medium	**Carlos**	100%
US14	OAuth API Sign-up	Module M01	Low		0%
US15	OAuth API Sign-in	Module M01	Low		0%

US21	Sign out	Module M01	High	**Miguel**	100%
US22	Checkout purchase	Module M02	High	**Carlos**	100%
US23	Edit Profile	Module M02	High	**João**	100%
US24	View Profile	Module M02	High	**João**	100%
US25	Order History	Module M02	High	**João**	100%
US26	Change of Order Notification	Module M02	Medium	**Tomás**	100%
US27	Change in Price Notification	Module M02	Medium	**Tomás**	100%
US28	Item availability Notification	Module M02	Medium	**Tomás**	100%
US29	Payment approved Notification	Module M02	Medium	**Tomás**	100%
US210	Add to favorites	Module M03	Medium	**Tomás**	100%
US211	Delete Account	Module M02	Medium	**João**	100%
US213	Secure Payments	Module M02	Low	**Carlos**	100%
US214	Select delivery options	Module M02	Low		0%
US215	View and Apply Coupons	Module M02	Low		0%
US216	Like Reviews	Module M03	Low	**Carlos**	100%
US217	Report Review	Module M03	Low	**Carlos**	100%
US31	Add new product	Module M06	High	**João**	100%
US32	Remove a product	Module M06	High	**João**	100%
US33	Manage Products Information	Module M06	High	**João**	100%
US34	Manage Product Categories	Module M06	High	**João**	100%
US35	Manage Users	Module M06	Medium	**João**	100%
US36	Manage Product Stock	Module M06	Medium	**João**	100%
US37	Delete Inappropriate Reviews	Module M06	Low	**João**	100%
US38	View Sales Statistics	Module M06	Low	**João**	100%
US39	Manage Discounts	Module M06	Low	**João**, Tomás	100%
US41	Review Product	Module M03	High	**Carlos**	100%

US42	Edit Review	Module M03	Medium	**Carlos**	100%
US43	Remove Review	Module M03	Medium	**Carlos**	100%
US44	Notifications on Review Feedback	Module M02	Low	**Tomás**	100%

A10: Presentation

Our goal when developing Cappuccino was to create an accessible online grocery shopping platform where everyone could their groceries in a fast and hassle-free way.

1. Product presentation

Cappuccino is an online grocery shop made for everyone, where users can easily buy and review products. Users are able to create an online account so that they can add some items to their wishlist, alerting them when the wishlisted product is on sale or when it's almost out of stock via notifications.

It's developed using HTML5, Javascript and CSS. The framework used to make the development process faster was Laravel. Some other used libraries were: Bootstrap to improve the design, Pusher for real-time notifications, Scheduler for promotions and Stripe for handling payments.

URL to the product: http://lbaw2345.lbaw.fe.up.pt

2. Video presentation

[Link to vídeo](#)

Revision history

Changes made to the first submission:

GROUP45, 21/12/2023

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