

PA: Product and Presentation

TasteBuds helps people build a community of diverse, healthy and tasty eating habits.

A9: Product

In this artifact, we present our website's installation process and usage, as well as some implementation details.

1. Installation

The release with the final version of the source code on the group's git repository can be found [here](#).

The group's Docker Hub image can be obtained by executing the following command:

```
docker pull lbaw2135/lbaw2135
```

The group's Docker Hub image can be ran by executing the following command:

```
docker run -it -p 8000:80 -e DB_DATABASE="lbaw2135" -e DB_USERNAME="lbaw2135" -e DB_PASSWORD="MB781648" lbaw2135/lbaw2135
```

2. Usage

The product can be found [here](#).

2.1. Administration Credentials

The main administration page can be found [here](#).

Username	Password
2dukes	123456789
a3brx	123456789
rafaavc	123456789
TiagooGomess	123456789

2.2. User Credentials

Type	Username	Password	Notes
Private member	caramelized_charlene	123456789	

Type	Username	Password	Notes
Public member	gdeter	123456789	
Public member	cuban	123456789	Moderator of Chefs Vision
Private member	gcurvy	123456789	Moderator of Bonk a Donk Cookers (public group with a lot of members)
Private member	badcharlene	123456789	Moderator of Back To The Basics (private group with member requests)
Public member	gmiddle	123456789	Member of Chefs Vision
Private member	larboardg	123456789	Has made three posts
Private member	rafaela_almeida	123456789	Is moderator of the group Vegetarianos do Porto! (private group with one recipe)
Banned user	warlike	123456789	Needs login to see that it's banned

3. Application Help

Regarding the global help, TasteBuds has a Frequently Asked Questions page, where the users can view the aswers to the most frequent questions and learn how to utilize the website.

[Home](#) > [Frequently Asked Questions](#)

Frequently Asked Questions

How to sign up?	▼
How to sign in?	▼
How does Google Sign In and Sign Out works?	▼
Where is the homepage?	▼
How to search for something?	▼
How to filter my search results?	▼
How do I know more about the developers of this page?	▼
How to see a profile?	▼
How do I see the reviews of a recipe?	▼
How to view a recipe?	▼
How to see the frequently asked questions page?	▼

The website has also contextual help tooltips in almost any button or input that are not completely trivial to understand.

Some examples of this are:

Method

✓ Step1

Click to hide or show this step

✓ Step2

Roll bread dough out to an 6x18-inch rectangle. Brush with melted butter. Combine brown sugar, walnuts, and cinnamon in a small bowl; sprinkle over butter. Roll dough into a log, starting at the long edge. Moisten edge with water and seal. Cut log into 20 slices; arrange rolls, cut sides down, in prepared cake pans. Cover with a towel and let rise in a warm place until doubled in volume, about 90 minutes.

✓ Step3

Preheat oven to 350 degrees F (175 degrees C). Pour heavy cream over dough.


✓ Step4


Bake in preheated oven until golden brown, about 25 minutes.

✓ Step5

Mix confectioners' sugar, milk, and vanilla extract in a small bowl; drizzle over warm cinnamon rolls to serve.

Home > Users > Corben Allison






Corben Allison


Amateur coffee maven. Travel enthusiast. Infuriatingly humble beer lover. Award-winning problem solver. Web nerd.

Recipes0

Followers1

Following5

 Follow

 Chat

Follow this member to see all his/her content!

Bacon-Wrapped Jalapeno Poppers

No reviews ★★★★★



by Ammarah Dillard
5 years ago

The efficiency we have at removing trash has made creating trash more acceptable.

Difficulty: very hard

Tags: Lunch Autumn

Print

Generate a PDF of the recipe page or print it directly if you have a printer



Ingredients

889.8 kg	Batter
76.2 kg	Geraniol
379.3 kg	Melange
235.4 g	Monoglycerides
173.4 g	Orge
570.2 cg	Shortening

Duration	30 mins
Preparation	10 mins
Cooking	20 mins
Additional	-

Yields	12 servings
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Suggested



4. Input Validation

For the **client-side validation**, the best example we can show is when a new user tries to register on our website. There we check if the selected username and email don't collide with an already used username or email with AJAX. The following piece of code can be found [here](#).

```
const signUpValidation = () => {
  let usernameInput = document.querySelector('input[name="username"]');
  let emailInput = document.querySelector('input[name="email"]');

  emailInput.addEventListener('blur', (event) => {
    const email = emailInput.value;

    makeRequest(url(`api/validation/email`), 'GET', { email: email })
      .then(res => {
        if (res.response.status !== 200) {
          if (!emailRepeated) {
            emailInput.parentElement.insertAdjacentHTML('afterend',
`<p class="email-repeated" style="font-size: 0.9rem; color: red;">Repeated
email. Please enter another.</p>`);
            emailRepeated = true;
          }
        } else if (emailRepeated) {
          document.querySelector('p.email-repeated').remove();
          emailRepeated = false;
        }
      });
  });

  usernameInput.addEventListener('blur', (event) => {
```

```

        const username = usernameInput.value;

        makeRequest(url(`api/validation/username`), 'GET', { username:
username })
        .then(res => {
            if (res.response.status !== 200) {
                if(!usernameRepeated) {

usernameInput.parentElement.insertAdjacentHTML('afterend', `<p
class="username-repeated" style="font-size: 0.9rem; color: red;">Repeated
username. Please enter another.</p>`);
                usernameRepeated = true;
                }
            } else if(usernameRepeated) {
                document.querySelector('p.username-repeated').remove();
                usernameRepeated = false;
            }
        });
    });
};

```

Regarding **server-side validation**, the following example shows all fields that are validated when a new recipe is created. We define a [validator](#) and then we use it upon [creating a recipe](#).

```

private static $validation = [
    'name' => 'required|string|min:5|max:100',
    'category' => 'required|integer|exists:App\Models\Category,id',
    'description' => 'required|string|min:10|max:1024',
    'difficulty' => 'required|string|in:easy,medium,hard,very hard',
    'servings' => 'required|integer|min:1',
    'tags' => 'required|array',
    'tags.*' => 'integer|exists:App\Models\Tag,id|distinct',
    'ingredients' => 'required|array',
    'ingredients.*.quantity' => 'required|numeric|min:0',
    'ingredients.*.id_unit' =>
'required|integer|exists:App\Models\Unit,id',
    'ingredients.*.id' =>
'required|integer|exists:App\Models\Ingredient,id|distinct',
    'preparation_time' => 'required|integer|min:0',
    'cooking_time' => 'required|integer|min:0',
    'additional_time' => 'required|integer|min:0',
    'steps' => 'required|array',
    'steps.*.name' => 'nullable|string|max:30',
    'steps.*.description' => 'required|string|max:512|min:10',
    'steps.*.image' =>
'nullable|file|image|mimes:jpeg,png,jpg,gif,bmp',
    'images.*' => 'nullable|file|image|mimes:jpeg,png,jpg,gif,bmp'
];

```

```

private static $errorMessages = [
    'tags.*.distinct' => 'Repeated tags are not allowed.',
    'tags.*.*' => 'Invalid Tag.',
    'ingredients.*.quantity.*' => 'Invalid quantity.',
    'ingredients.*.id_unit.*' => 'Invalid unit.',
    'ingredients.*.id.distinct' => 'Repeated ingredients are not
allowed.',
    'ingredients.*.id.*' => 'Invalid ingredient.',
    'steps.*.name.*' => 'Invalid Step name.'
];

public function createRecipe(Request $request)
{
    $this->validate($request,
        RecipeController::$validation,
        RecipeController::$errorMessages);

    (...)
}

```

5. Check Accessibility and Usability

- Accessibility: 15/18
- Usability: 26/28

The PDF files with the complete results can be accessed by the following links: [accessibility](#) and [usability](#).

6. HTML & CSS Validation

The following HTML reports were made:

- [Home page](#)
- [Recipe page with comments](#)

The following CSS reports were made:

- [Sign-In](#)
- [Sign-Up](#)
- [Chat](#)

7. Revisions to the Project

- Recipes don't have visibility anymore, their visibility is calculated as follows:
 - If the recipe was posted in a group its visibility is the same as the group
 - Otherwise, the recipe has the same visibility as its author
- New database table for the reset password feature
- Updated a few routes and added new ones

8. Implementation Details

8.1. Libraries Used

Library name	Description	Usage	Example
Font Awesome	Font and icon toolkit	Used for icons in buttons and texts	Link
Bootstrap	Free and open-source CSS framework directed at responsive, mobile-first front-end web development	Used in all pages to help with the interface	Link
Laravel	Free and open-source PHP web framework intended for the development of web applications	Used as main server framework for our project	Link
Pusher	A real-time communication layer between the server and the client. It maintains persistent connections using WebSockets	Used in our chat	Link
Vue.js	An open-source progressive JavaScript framework	Used in the development of the real-time chat	Link
GD	A PHP library that enables it to create and manipulate image files in a variety of different image formats	Used for image conversion	Link
Laravel Echo	A JavaScript library that makes it painless to subscribe to channels and listen for events broadcast by Laravel	Used for the subscription of the broadcast channel used to exchange messages in the chat	Link

8.2 User Stories

US Identifier	Name	Module	Priority	Team Members	State
US11	See home	M04	high	Rafael	100%
US16	Read reviews	M02	high	Rafael	100%
US17	View a recipe	M02	high	Alexandre, Rafael	100%
US21	Sign-in	M01	high	Tiago	100%
US22	Sign-up	M01	high	Alexandre	100%
US39	Post a recipe	M02	high	Alexandre, Tiago	100%
US310	Sign out	M01	high	Tiago	100%
US41	Update a recipe	M02	high	Rui	100%
US42	Delete a recipe	M02	high	Alexandre, Rafael	100%
US315	Save recipe	M02	medium	Rafael	100%
US15	View public profiles	M02	high	Alexandre	100%

US Identifier	Name	Module	Priority	Team Members	State
US31	Edit profile	M01	high	Alexandre	100%
US36	Change visibility of profile	M01	high	Alexandre	100%
US32	Delete profile	M01	high	Alexandre	100%
US94	Sign out	M05	high	Tiago	100%
US12	Search	M02	high	Rui	100%
US37	Create comment	M02	high	Rafael	100%
US38	Rate a recipe	M02	high	Rafael	100%
US34	Follow users	M02	high	Rui	100%
US35	View private profiles	M02	high	Tiago	100%
US14	See about	M04	high	Tiago	100%
US19	View Frequently Asked Questions	M04	medium	Tiago	100%
US62	See group posts	M02	high	Alexandre	100%
US311	Create Groups	M02	high	Tiago	100%
US72	Edit group	M02	high	Tiago	100%
US13	Filter	M02	high	Rafael	100%
US33	Accept requests to follow	M01	high	Rui	100%
US312	Send group membership requests	M02	high	Alexandre	100%
US313	Join public groups	M02	high	Alexandre	100%
US95	Access private groups	M02	medium	Alexandre	100%
US71	Ban people from the group	M02	high	Rafael	100%
US73	Manage membership requests	M02	high	Rafael	100%
US93	Ban users	M05	high	Rui	100%
US91	Post removal	M05	high	Rafael	100%
US25	Recover my account	M01	medium	Tiago	100%
US92	Comment or review removal	M05	high	Rui	100%
US61	Post to group	M02	high	Tiago	100%
US52	Remove comment	M02	medium	Rui	100%
US74	Remove comments or posts	M02	medium	Alexandre	100%
US314	View suggested recipes (feed)	M02	medium	Tiago	100%
US316	Send and receive direct message	M03	medium	Rafael, Rui	100%

US Identifier	Name	Module	Priority	Team Members	State
US110	Share recipe	M02	medium	Alexandre	100%
US63	Exit group	M02	high	Alexandre	100%
US51	Update comment	M02	medium	Rafael	100%

A10: Presentation

In this artefact we present the final TasteBuds product, a culmination of all that was developed throughout the semester.

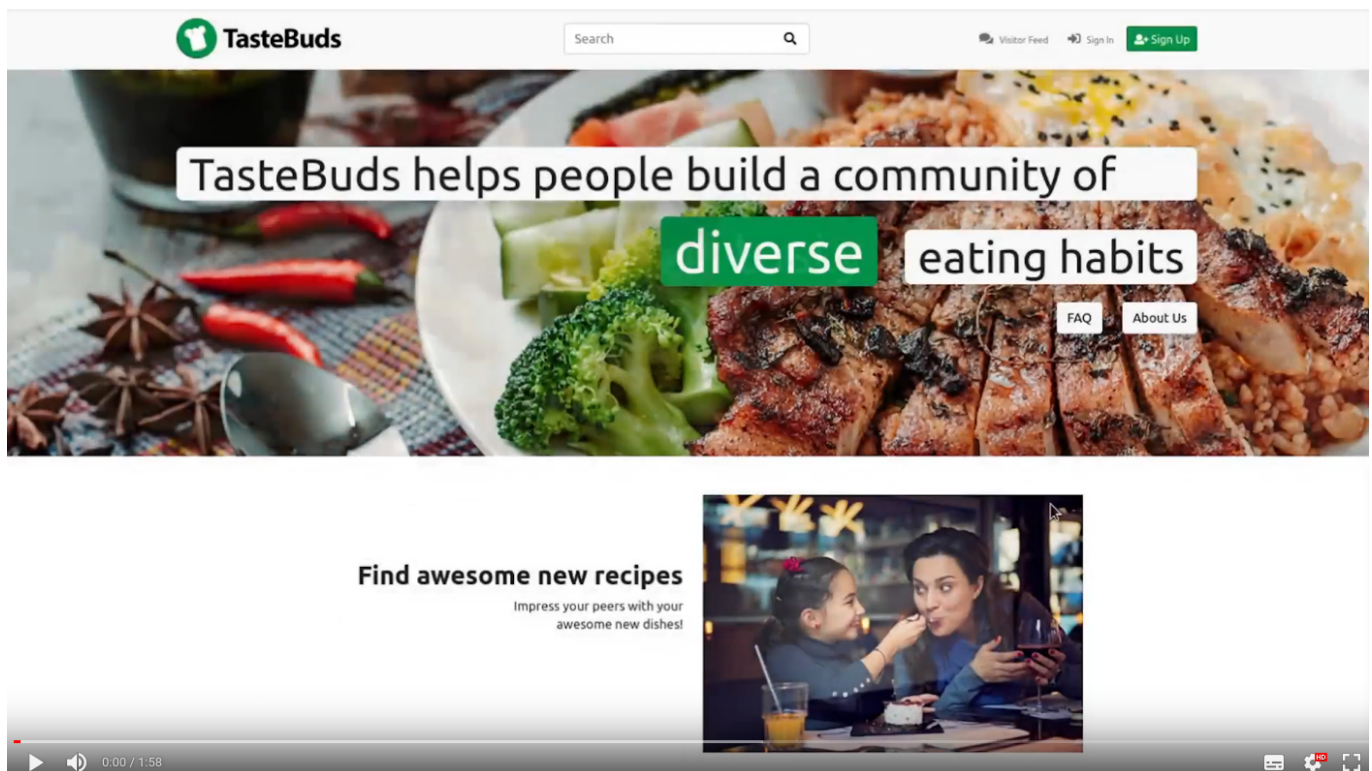
1. Product presentation

TasteBuds is a new concept of a social network that enables people to share cooking recipes with the world, gain visibility, and possibly attracting new people to their business or any other ventures. Cooking is one of the things we do every day, and TasteBuds is the best tool to ease the task of remembering all the cooking recipes while helping people diversify and improve their eating habits.

You can be part of groups full of recipes, chat with everyone and search for whatever recipe you wish to cook! TasteBuds' main goal is to build a community where people can help each other create even better recipes every day!

The product can be found [here](#).

2. Video presentation



The video can be found in a Google Drive [here](#).

Revision history

No changes made after the first submission.

GROUP2135, 09/06/21

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