WEB DEVELOPMENT

Taks 3

Guusje van Casteren
Web development
Date: 17 May, 2024

Index

1. Test based on IPO chart

Register/ login
Fail

Input	Process	Output
- Username (email-address) - Password - User preferences - Search terms - Click on submit	1. Verification of user data. 2. Processing of search queries 3. Validation of filled data	- User profile - Search results - Confirmation or error message (after submitting if the input was correct or wrong. - Give relevant information for user (looking at their preferences)

Identified issues
Form Submission Does Not Work:
When the "Register" button is clicked, nothing happens. This indicates an issue with form submission handling.

Cancel Button Functionality:
The "Cancel" button works by clearing the input fields but does not provide any feedback to the user.

Analysis and Improvement Plan
Form Submission Handling:
Ensure that the form's 'action' attribute points to the correct endpoint (let the user register themselves and get a certification e-mail).

User Feedback:
Display confirmation messages or errors upon form submission to inform users of the outcome.

Cancel Button Feedback:
Enhance the "Cancel" button by adding a confirmation dialog to prevent accidental data loss.

Blog post
Fail

Input	Process	Output
- User account - Recipe: title, ingredient list, cooking instructions - Pictures	1. User fills in the input for posting a recipe on the blog (text with eventual pictures) 2. Validation data: the website validates the entered data. So checking if all required fields are filled in. 3. Saving the post (with all the text (and pictures)) 4. Publication	- Published recipe

Current State and Issues
Incomplete Feature:
Due to time constraints, the blog post functionality is not implemented. Users currently cannot create or publish blog posts. A page has been created for this feature on the website, but unfortunately, nothing has been added to the blog yet.

Analysis and Improvement Plan
Create the blog page to the website:
Create the blog page to the website so users can enter recipe details and upload pictures.

Publication Workflow:
Develop a workflow for saving the recipe data and publishing it to the blog.

User Feedback:
Provide users with feedback upon submission, including confirmation of successful post or error messages for missing information.

Search bar
Fail

Input	Process	Output
- Ingredients input in search bar.	1. Receiving ingredients input (one or more ingredients) 2. Searching in database: find matches in the database for recipes that include all or some of the entered ingredients. 3. Filtering and sorting: prioritize the recipes that include more ingredients (so more on the top). 4. Presentation of results	- Search results: show a list of all the recipes that match the entered ingredients allowing the user to browse and select the recipes they are interested in.

Current State and Issues
Search Bar Implementation:
The search bar is present on the website and users can type in it.

Non-functional Search Button:
Despite being able to enter ingredients, clicking the search button does not trigger any action or produce results.

Analysis and Improvement Plan
Database Integration:
Ensure the search functionality is connected to the recipe database, allowing it to retrieve and match recipes based on input ingredients.

Search Algorithm:
Implement a search algorithm to filter and sort recipes based on the number of matching ingredients.

User Interface Feedback:
Provide feedback to users when no results are found or when there are errors in the search process.

Filters:
Fail

Input	Process	Output
- Clickable filters: User interacts with clickable filters in different categories.	1. Selection of filters: user selects one or more filters by clicking on them. 2. Filtering of recipes: website filters the list of all recipes based on the selected filters. 3. View filtered results: view the recipes to user that meets the selected filters.	- Filtered recipe list

Current State and Issues

Filter Implementation:

Due to time constraints, the filter functionality was not implemented on the website.

Impact:

Users are unable to refine their recipe searches using filters, which limits the usability and efficiency of the recipe search feature.

Analysis and Improvement Plan

Design Filter Categories:

Identify and design filter categories (e.g., cuisine type, dietary restrictions, preparation time).

Frontend Implementation:

Add clickable filter options to the website using HTML and CSS.

Database Queries:

Implement database queries that support filtering based on selected criteria.

User Interface Feedback:

Provide immediate feedback to users when filters are applied or when no results match the selected filters.

2. Error check

All HTML-pages are checked by using this website:
https://validator.w3.org/

The CSS-page was checked using this website:
https://jigsaw.w3.org/css-validator/

During the error check, many errors were identified and subsequently corrected. Most of the errors were caused by the following issues:

- **Incorrect filenames for images:** Many image files had names with spaces, which resulted in errors. By removing the spaces from the filenames, these errors were resolved.

- **Incorrect use of HTML attributes:** This led to syntax errors. Attributes such as id and type were sometimes used incorrectly or duplicated, causing issues.

- **General typographical and content errors:** In the HTML file, there were several typographical errors, such as unnecessary spaces and inconsistent use of capitalization, which led to problems.

- **Incorrect use of form elements and attributes:** There were errors in the use of form elements like <input> and <label>, causing functional issues.

- **Invalid values for CSS properties:** In the CSS file, there were multiple errors due to invalid use of values, such as font-weight: 45px;. The font-weight property only accepts numeric values (100-900) or keywords like bold or normal.

By identifying and correcting these issues, all errors on the website have been fixed, resulting in a better-functioning and more consistent codebase.

ABOUT US PAGE

```
</body>
</html>
```

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Warning**   **This document appears to be *Lorem ipsum* text but the** `html` **start tag has** `lang="en"`. **Consider using** `lang="zxx"` **(or variant) instead.**

   From line 1, column 16; to line 2, column 16

   TYPE html>↵<html lang="en">↵<head

   For further guidance, consult Tagging text with no language, Declaring the overall language of a page and Choosing language tags.

   If the HTML checker has misidentified the language of this document, please file an issue report or send e-mail to report the problem.

Document checking completed.

Source

```
1.  <!DOCTYPE html>↵
2.  <html lang="en">↵
3.  <head>↵
4.      <meta charset="UTF-8">↵
5.      <title>Home page</title>↵
6.          ↵
7.  <link rel="stylesheet" href="assets/styles/styles.css">↵
8.      ↵
9.  <!-- onderstaande is een link naar bootsstrap file??-->↵
10. <link rel="stylesheet" href="assets/styles/bootstrap.css">↵
11.     ↵
```

ALL RECIPES PAGE

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show ☑ source ☐ outline ☐ image report [Options…]

Check by [text input ▾] ☐ css

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
     <title>Home page</title>

<link rel="stylesheet" href="assets/styles/styles.css">

<!-- onderstaande is een link naar bootsstrap file??-->
<link rel="stylesheet" href="assets/styles/bootstrap.css">

<!-- onderstaande link is voor het lettertype-->
<link rel="stylesheet" href="https://use.typekit.net/lye7lgn.css">

<!-- Onderstaande code is ervoor dat de website voor alle apparaten goed te bekijken is -->
```

[Check]

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

[Message Filtering]

Document checking completed. No errors or warnings to show.

FOODBLOG PAGE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
     <title>Foodblog.</title>

<link rel="stylesheet" href="assets/styles/styles.css">

<!-- onderstaande is een link naar bootsstrap file??-->
<link rel="stylesheet" href="assets/styles/bootstrap.css">

<!-- onderstaande link is voor het lettertype-->
<link rel="stylesheet" href="https://use.typekit.net/lye7lgn.css">

<!-- Onderstaande code is ervoor dat de website voor alle apparaten goed te bekijken is -->
```

Source

FAVOURITES PAGE

Check by text input ☐ css

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
     <title>Favorites.</title>

<link rel="stylesheet" href="assets/styles/styles.css">

<!-- onderstaande is een link naar bootsstrap file??-->
<link rel="stylesheet" href="assets/styles/bootstrap.css">

<!-- onderstaande link is voor het lettertype-->
<link rel="stylesheet" href="https://use.typekit.net/lye7lgn.css">

<!-- Onderstaande code is ervoor dat de website voor alle apparaten goed te bekijken is -->
```

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and w

Message Filtering

Document checking completed. No errors or warnings to show.

Source

1. `<!DOCTYPE html>`↵
2. `<html lang="en">`↵
3. `<head>`↵
4. `    <meta charset="UTF-8">`↵
5. `     <title>Favorites.</title>`↵
6. `     `↵
7. `<link rel="stylesheet" href="assets/styles/styles.css">`↵
8. ↵
9. `<!-- onderstaande is een link naar bootsstrap file??-->`↵
10. `<link rel="stylesheet" href="assets/styles/bootstrap.css">`↵
11. ↵
12. `<!-- onderstaande link is voor het lettertype-->`↵
13. `<link rel="stylesheet" href="https://use.typekit.net/lye7lgn.css">`↵
14. ↵
15. `<!-- Onderstaande code is ervoor dat de website voor alle apparaten goed te bekijken is -->`

FOR YOU PAGE

Showing results for contents of text-input area

Checker Input

Show ☑ source ☐ outline ☐ image report Options...

Check by text input ⌄ ☐ css

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
     <title>Home page.</title>

<link rel="stylesheet" href="assets/styles/styles.css">

<!-- onderstaande is een link naar bootsstrap file??-->
<link rel="stylesheet" href="assets/styles/bootstrap.css">

<!-- onderstaande link is voor het lettertype-->
<link rel="stylesheet" href="https://use.typekit.net/lye7lgn.css">

<!-- Onderstaande code is ervoor dat de website voor alle apparaten goed te bekijken is
```

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

Source

```
1. <!DOCTYPE html>↵
2. <html lang="en">↵
3. <head>↵
4.     <meta charset="UTF-8">↵
5.      <title>Home page.</title>↵
6.      ↵
7. <link rel="stylesheet" href="assets/styles/styles.css">↵
```

PASTASALMON PAGE

Showing results for contents of text-input area

Checker Input

Show ☑ source ☐ outline ☐ image report [Options…]

Check by [text input ▾] ☐ css

```
                </header>

        <nav>
            <ul>
                <li>
                    <a href="index.html">for you.</a></li>

                <li>
                    <a href="all_recipes.html">all recipes.</a></li>

                <li>
        <a href="foodblog.html">foodblog.</a></li>

                <li>
                    <a href="aboutUs.htm">about us.</a></li>
```

[Check]

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

[Message Filtering]

Document checking completed. No errors or warnings to show.

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show ☑ source ☐ outline ☐ image report [Options…]

Check by [text input ▾] ☐ css

```
rtt=no >
</head>
<body>
    <!-- First code for logo on top of the page -->
    <header class="Foodies_Logo_BW_Tekengebied">
        <img src="assets/images/Foodies_Logo_BW_Tekengebied1-01.png" alt="logo foodies">
    </header>

    <nav>
        <ul>
            <li><a href="index.html">for you.</a></li>
            <li><a href="all_recipes.html">all recipes.</a></li>
            <li><a href="foodblog.html">foodblog.</a></li>
            <li><a href="aboutUs.html">about us.</a></li>
            <li class="registrationIcon">
                <a href="reaistration.html">
```

[Check]

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

[Message Filtering]

Document checking completed. No errors or warnings to show.

CSS PAGE

W3C CSS Validator Resultaten met object : TextArea (CSS versie 3 + SVG)

Gefeliciteerd! Geen fouten gevonden.

Dit document is gevalideerd als CSS versie 3 + SVG !

Om uw lezers te laten zien dat u de moeite heeft genomen om een interoperabele webpagina te maken, kunt u dit pictogram op elke gevalideerde pagina plaatsen. Hier is de HTML code die u kunt gebruiken om dit pictogram aan uw webpagina toe te voegen:

```
<p>
    <a href="http://jigsaw.w3.org/css-validator/check/referer">
        <img style="border:0;width:88px;height:31px"
            src="http://jigsaw.w3.org/css-validator/images/vcss"
            alt="Valide CSS!" />
    </a>
</p>
```

```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">
    <img style="border:0;width:88px;height:31px"
        src="http://jigsaw.w3.org/css-validator/images/vcss-blue"
        alt="Valide CSS!" />
    </a>
</p>
```

3. Current issues

In this website, there are several things that are not yet functioning. Some points that are not working on the website can be found in paragraph 1. Below is a list of things that are currently incorrect or missing from the website

Searchbar: The search bar doesn't function as expected. While users can input text, search queries aren't processed when they click the 'search' button. This needs to be fixed so users can effectively search for content on the website.

Recipe links: When users click on an image of a dish, they are redirected to an incomplete page. These links need to be updated to direct users to full recipe pages where they can view the recipe and access tutorials.

Adding hearts to images: Currently, hearts are missing from recipe images, preventing users from marking recipes as favorites. This functionality needs to be added so users can save their favorite recipes.

Missing filter function: There is no filter function available for users to filter recipes based on various criteria, such as ingredients or difficulty level. This feature needs to be added to enhance the user experience.

Missing blog page: The website lacks a separate blog page where users can read and comment on articles. Adding a blog section can increase user engagement and make the website more valuable to visitors.

Registration page not working: Although there is a registration page present, users currently cannot register. This issue needs to be resolved so new users can sign up and create an account on the website.

Improvement needed in responsive design: When the page is displayed on smaller screens, some elements overlap, rendering the website unusable on devices such as smartphones and tablets. The responsive design needs to be improved to ensure a consistent user experience across all devices.