

Design Document

Intended New Features/Evaluation of their Impact:

One new feature of the website will be a slideshow on the homepage which shows all the finished dish pictures. This cycles through the images with a short delay. This feature will enhance the user experience, making the website more engaging by using images and animation rather than just text.

Another new feature will be having images which enlarge when the user hovers the mouse over them. This allows users to have a better view, as well as helping visually impaired users at the same time. This will make the website more engaging as the user can change the view of the website.

On all pages relating to a dish there will be a button called “Jump to dish picture”. This will allow the user more control over their browsing experience by enabling them to skip past anything they aren’t interested in.

One big addition to each page are forms. The home page will have a sign-up form, and all other pages will have a feedback form. This makes the website much more interactive and gives interested users a way of finding out more, which overall makes for a much-improved user experience. These forms will also have a “Click to reveal” button as they are hidden to begin with so only the people who are interested in using the forms see them. This allows more freedom to the user and streamlines the website.

Upon submitting a form, the user will be taken to a new redirect page. This page is to inform users that their form was submitted correctly, before promptly transferring them back to the home page. This adds to the responsiveness of the website, as this can only happen with specific user interaction.

Bootstrap is another important feature to be added to the website. This adds responsive design, making sure the page always fits in the browser window correctly and never becomes distorted upon altering the window size. This increases the professional feel to the site as well as enhancing user satisfaction. If bootstrap was not added, the layout could change in a negative way when the window is changed, which may cause users to leave the site.

Also, a geolocation feature will be added to the site. This will allow users to track their location through coordinates, there will also be a list of coordinates for the origins of each dish which allows the user to compare their location to the origins. This makes the website much more engaging to the user through interactivity.

Data validation will also be added to the forms to make them more interactive as well as making sure valid inputs are submitted. This enhances interactivity by letting users’ actions affect what happens on the site.

There will also be “hide” and “Show” buttons to allow users the option to minimise the table. This gives users more control over their browsing experience by letting them streamline the website if they choose to do so.

A local storage feature will also be added to allow users to count the number of times they have made each dish. This feature will save the users count even when they close the webpage. This will draw users back to the site and give them an incentive to access the site multiple times.

Design Decisions/Evaluation of their Impact:

One design decision was to add a bright blue header. This adds an eye-catching contrast while keeping a consistent layout throughout the site to enhance professional feel. I have also separated sections of the site with a thick line to neatly arrange the page and make it more visually appealing.

Adding borders around videos & images is another design decision I made. This was to improve the look of the webpage and improve professionalism.

Including a slideshow on the first page enables the site to immediately grab the user’s attention and make them want to continue browsing. Therefore, it enhances visual feel of the site as well improving user satisfaction.

I also added buttons which hide the forms until requested through clicking the “reveal” button. This keeps the webpage streamlined as not every user will need the forms, which improves browsing experience greatly.

At the start of all pages except the home page, I added an example video of what the page was about to grab the user’s attention immediately and enhance the visual appeal. A video is much more engaging than vast passages of text so this would help with the overall feel of the website.

Adding borders around the content allowed me to enhance the main sections of the website. It does this by clearly separating the sections which contain the content, and those that don’t, making the website easier to browse.

Another design decision I made was that I kept a consistent font and font size (except for headings). This improves the website by making it professional and tidy. Constantly changing font or font size would make it visually unappealing which would cause users to leave the site.

Bootstrap was a major design decision. This was added to keep the webpage layout consistent even when altering the window size. Makes the site much more professional than potentially having distorted webpages.

I also added “redirect” pages to enhance user interactivity and make the site more responsive. These add a little engaging message once a user submits a form.

Testing:

<u>Test Number:</u>	<u>Test:</u>	<u>Results:</u>	<u>Comments</u>
1	JavaScript file loads as it should	JavaScript file successfully loads and works for all necessary items	Nothing to report
2	Slideshow switches photos after a certain amount of time	Upon watching the slideshow, it has worked correctly. All images show one-by-one after an intended delay	Nothing to report
3	“Hide table” button removes the table from view	On click, the table disappears which means it is working as it should	Nothing to report
4	“Show table” button brings table back into view after “Hide table” has been clicked	On click, the table reappears onto the webpage meaning the JavaScript is working correctly	Nothing to report
5	“Click to reveal” button for form on home page works as expected	Upon clicking the button, the form appeared. This means it is working as it should.	Nothing to report
6	Sign up form asks for a value if none entered	Attempted to submit the form without values. Each part of the form asks for an entry to be made and prevents submitting without.	Nothing to report
7	“Submit” button works and takes the user to the redirect page	Redirect page loads successfully upon submitting the form.	Nothing to report
8	Redirect page sends the user back to the home page after a short interval	Upon the page loading, a short interval occurs followed by the user being navigated back to the homepage.	Nothing to report
9	Link to origins.html works as intended	Link works as expected when clicked.	Nothing to report
10	Is current location displayed on redirect page upon request?	After clicking “Display Location” and “Allow”, the users coordinates are presented on the screen, so this works correctly.	Nothing to report
11	Images increase in size when mouse hovers over them	The images correctly get larger upon hovering over them	Nothing to report
12	Images decrease in size when mouse is no longer hovering over them	After the mouse is removed from the image, the images shrink back down in size. Therefore, this works correctly.	Nothing to report
13	Bootstrap works correctly	All webpages fit the screen as they supposed to, and their layout is consistent when the window size is altered	Much better than solo CSS

14	Dish counter buttons work as expected	Each button has an individual count that works as expected. Saves the number of clicks for the next website visit.	Nothing to report
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Evaluation (Potential New Improvements):

One improvement which could be made would be to add more webpages to the site. Adding more webpages would allow for more chances to add dynamic content like JavaScript to the site, thereby engaging users more and making their browsing experience better.

The colour scheme is another improvement which could be made. This is because currently the scheme has been designed around keeping the website simple. While this is a good way to go for simplicity, it may not be the best way to go in terms of making the website look as good as it can. Potentially adding a wider variety of colours which go together well would go some way in helping solve this.

Adding a webpage which has the contact details of the site could also improve the site. This would allow users to inform of any problems with the site or their own ideas for improvements. Giving users the option to do this will gain a lot of constructive feedback which would help with future improvements to the site.

A feature which could be added would be a “create an account” feature. This would allow more personalisation on the site by allowing users to do things such as save dishes, save ingredients, or even upload their own for other people to use. This would add a community feel if people were able to view what other users have done, which would prompt the users to want to return to the site regularly.

Potentially increasing the space where the content is held would be another improvement to the site. This is because, currently, all the content is kept within a centralised box, limiting the use of the space around it. While this looks professional and neat, it could potentially look quite vague. Altering the layout to fill more of the page would be a good improvement to fix this issue.

Adding more JavaScript elements is another improvement which could be made. While there is already a substantial amount, further improving how responsive and interactive the website is not a negative thing. More dynamic content would make for more users and more importantly, more satisfied users.

Adding a button to do the opposite of the dish counter would be a potential feature to add in the future. This is because currently there is no way to reduce the number if the user makes a mistake and clicks by mistake or too many times. This would improve the site as it would reduce annoyance from users by enabling them to fix any mistake they make.

Reference List:

Gordon Ramsay. 2020. The Ultimate Guide To Risotto. [Online]. [Accessed 07 March 2022]. Available from: <https://youtu.be/oj0gzO1STdg>

ieatshootipost. 2021. Delicious Tom Kha Gai Recipe – with Benja Chicken. [Online]. [Accessed 07 March 2022]. Available from: https://youtu.be/UqXi_1p5GO8

Jamie Oliver. 2014. Real Spaghetti Carbonara | Antonio Carluccio. [Online]. [Accessed 08 March 2022]. Available from: <https://youtu.be/3AAAdKI1UYZs>

Hari Ghotra. 2015. Red Lentil Dhal Recipe. [Online]. [Accessed 08 March 2022]. Available from: <https://youtu.be/9FzKK5FJa78>

Hackworthy, K. 2018. The Best Easy Red Lentil Dahl. 27 August. Veggie Desserts. [Online]. [Accessed 01 March 2022]. Available from: <https://veggiedesserts.com/red-lentil-dahl/>

Godwin, S. 2018. Chorizo & Pea Risotto. [no date]. BBC Good Food. [Online]. [Accessed 01 March 2022]. Available from: <https://www.bbcgoodfood.com/recipes/chorizo-pea-risotto>

The images on the website were taken personally, so no reference is needed for this.

WEBSITE TITLE

PAGE NAVIGATION

HOME PAGE TITLE

Brief intro to site. Info on how to navigate site. Hypertext leading to geolocation page

SUB HEADING

Info on cost and where to find the ingredients for the dishes on the website.

SUB HEADING

Description of the table below and what each aspect/star rating means.

TABLE - STAR RATINGS OF DISH ASPECTS

JavaScript “Click to hide” and “Click to show” buttons to alter whether table is visible

SUB HEADING

JavaScript slideshow. Flicks through dish pictures on a timer

“Click to reveal” button used to show the sign-up form

Sign-up form. Users can input personal data to sign-up for weekly newsletter

PAGE NAVIGATION

RISOTTO PAGE TITLE

JavaScript “jump to dish picture” button to skip to the bottom of page

Background of the dish and some facts about it

Video showing an example of the dish being made

SUB HEADING - Ingredients

Ingredients list of the dish and the amounts to use in the recipe

SUB HEADING - Method

Method of how to make the dish.
Numbered list of each step

SUB HEADING - The Finished Dish

Brief description of the image below

Image of the completed dish. Large size with border surrounding. On hover, the image enlarges

“Click to reveal” button used to show the feedback form

Feedback form. Users can input their thoughts about the dish in question

PAGE NAVIGATION

TOM KHA PAGE TITLE

JavaScript “jump to dish picture” button to skip to the bottom of page

Background of the dish and some facts about it

Video showing an example of the dish being made

SUB HEADING - Ingredients

Ingredients list of the dish and the amounts to use in the recipe

SUB HEADING - Method

Method of how to make the dish.
Numbered list of each step

SUB HEADING - The Finished Dish

Brief description of the image below

Image of the completed dish. Large size with border surrounding. On hover, the image enlarges

“Click to reveal” button used to show the feedback form

Feedback form. Users can input their thoughts about the dish in question

PAGE NAVIGATION

CARBONARA PAGE TITLE

JavaScript “jump to dish picture” button to skip to the bottom of page

Background of the dish and some facts about it

Video showing an example of the dish being made

SUB HEADING - Ingredients

Ingredients list of the dish and the amounts to use in the recipe

SUB HEADING - Method

Method of how to make the dish.
Numbered list of each step

SUB HEADING - The Finished Dish

Brief description of the image below

Image of the completed dish. Large size with border surrounding. On hover, the image enlarges

“Click to reveal” button used to show the feedback form

Feedback form. Users can input their thoughts about the dish in question

PAGE NAVIGATION

DHAL PAGE TITLE

JavaScript “jump to dish picture” button to skip to the bottom of page

Background of the dish and some facts about it

Video showing an example of the dish being made

SUB HEADING - Ingredients

Ingredients list of the dish and the amounts to use in the recipe

SUB HEADING - Method

Method of how to make the dish.
Numbered list of each step

SUB HEADING - The Finished Dish

Brief description of the image below

Image of the completed dish. Large size with border surrounding. On hover, the image enlarges

“Click to reveal” button used to show the feedback form

Feedback form. Users can input their thoughts about the dish in question

WEBSITE TITLE

ORIGINS PAGE TITLE

Location name and
coordinates of the
origin of each dish

Short message to inform users
they can retrieve their
coordinates from clicking button
below

Javascript geolocation
button to show users
location coordinates

PAGE FOOTER

WEBSITE TITLE

REDIRECT PAGE TITLE

Short message letting user know they have successfully signed up

Animation of a circle loader

WEBSITE TITLE

FEEDBACK PAGE TITLE

Short message to
thank the user for the
feedback

Animation of a
circle loader