

The Baking Besties

Cooking Instructor: Final Portfolio



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Part I: Previous Submissions and Prototypes

I.I: Portfolio 1

Grading Page

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Student
Names
and
emails

Note: The list below is a set of guidelines, or a "convenience" checkpoint. Getting many satisfactory checks does not necessarily indicate a good project (or vice versa).

Structure and format

	Included	Not included		
Portfolio in PDF	1	0		
Section separators	1	0		
Name on outside cover	1	0		
Name and contact information on the first page	1	0		
This grading sheet included in portfolio	4	0		
	Complete	Missing portions	Not included	
Table of contents	2	1	0	
	Great: no problems	Good: a few minor problems	Poor: Problems throughout (your mark in other sections may also be affected as well)	
Appearance (organization, layout and whitespace)	6	4	0	
	No typos, grammatical or spelling errors, clear writing style	Minor typos or grammatical errors or spelling mistakes or some writing may be a bit vague	Problems in two areas (spelling, grammar, style)	Problems in all three areas

Language and writing style	7	5	3	0
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Setting the stage

	Clear and complete (yes)	Clear and complete (no)		
Background	1	0		
Expected uses of the system	1	0		
System constraints	1	0		
	Lists user groups along with relevant skills and experience	Lists user groups with no additional information	Information not included	
Expected users	2	1	0	
	Clear & complete	Some information missing or unclear	Information not included	
Work context	2	1	0	
	Spoke directly with actual users	Spoke with a representative of the user	Made it all up	
Approach for getting background information for tasks	2	1	0	

Tasks

	Appropriate No. (~5-7)	Fewer than what's needed for the usage of the system	No tasks were included in the portfolio	
Number of tasks	2	1	0	
	Covers all relevant activities	Missing a few important tasks	Missing many important tasks	No tasks were included in the portfolio
Coverage of the tasks	8	6	2	0

	No violations	A few minor violations	Many violations throughout	No tasks were included in the portfolio
Do the tasks follow the properties of a good task?	8	6	2	0
Prototypes				
Number of versions/iterations	Two or more	One		
Evolution of prototypes	Marked improvement from version to version	Few and/or superficial changes from version to version	No evolution between prototype versions	
Description of how prototypes evolved	6	2	0	
Provides clear idea of how prototype changed from version to version				
Describes changes but some parts are unclear				
Description of system functions to be implemented	4	2	1	0
Requirements				
Requirements are grouped into categories with clear and detailed explanations based on the users and their tasks	Requirements are grouped into categories, no indication of how functions were put into particular categories	Requirements are shown in a single list, no attempt at prioritization	No requirements listed	
Description of system functions to be implemented	5	2	1	0
Walkthroughs				
Number of walkthroughs performed	Walkthroughs for all relevant tasks	One	Zero	
	4	1	0	

	Walkthroughs conducted, all or most usability problems were caught	Walkthroughs conducted, some minor problems were missed	Walkthroughs conducted, many minor or several serious problems were missed	Walkthrough not performed
Results of conducting the walkthrough algorithm	10	8	4	0
	Walkthrough results summarized for each scenario/task An analysis conducted that summarized for all tasks what are the high level and major problems	Walkthrough results summarized for each scenario/task but not for all tasks	Walkthroughs conducted and results shown in table but no additional analysis, summarizing problems	
Analysis of walkthrough results	6	3	0	
	Walkthroughs easy to follow (e.g., included diagrams at all relevant points of walkthrough, diagrams are annotated)	Some points of the walkthrough difficult to follow (e.g., walkthrough description didn't match interface, additional diagrams would have made things clearer)	Walkthroughs not conducted	
Ease of following/tracing the walkthroughs	6	3	0	

Tutorial presentations

	Provides clear background information, good tasks presented, requirements properly categorized	Minor problems: some background information unclear, minor violations in the descriptions of the tasks, requirements could better justified	Poor: task violate many properties of good tasks, or background missing or largely incomplete, requirements are not justified	No presentation
First presentation: Phase one and two	4	3	1	0
	Walkthrough: caught most problems, clear indication of what future improvements should be	Walkthrough: Missed a few minor problems in the walkthrough	Walkthrough: Missed many minor problems in the walkthrough or a few major usability problems	Walkthrough: Many serious problems were missed in the walkthrough
	Prototype: Gives a good feel for how the interaction unfolds, covers main system functions	Prototype: Some parts of the interaction unclear, a few minor system functions (relevant to task) or a major function is missing	Prototype: several main system functions missing	Prototype: main system functions were missing
Second presentation: Phase three & four	4	3	1	0
All team members completed all weekly MVP surveys to portfolio due date	Complete	Incomplete		

Part I: Setting the Stage, Task Descriptions, Early Prototypes, Requirements, and Walkthroughs

I.I Section 1

Phase 0: Setting the Stage

Background Environment

Currently, most cooking websites have poor design choices which result in bad human-computer interaction. We found that these websites presented recipes in a long, unstructured format which made it overwhelming and difficult to follow. Users are forced to scroll through massive blocks of text to try to find the recipe. Additionally, recipes and ingredients were often inconsistently placed in different sections of the website. These websites are often very cluttered, use differing sizes of photos, lots of text, and ads on each side. We found that a factor that contributes to this are user-generated recipes that aren't moderated for format. This makes it difficult for users to navigate and find different sections of the website. Our group plans to address these issues by focusing on user experience and ensuring clear, concise, and consistent presentation of information.

System Uses

The system will be used to streamline the process of finding and cooking a recipe. This website should allow you to quickly search for a dish you'd like, or alternatively help you find a recipe by recommendation such as suggesting popular dishes. In addition, it should be easy and simple to find the ingredients, instructions, prep time, and difficulty.

System Constraints

We will be making an online website that runs on any modern web browser. It will primarily be developed for a laptop with screen sizes of 13-15 inches. Using a laptop allows you to have the ingredients and instructions on screen at all times so you don't need to worry about scrolling through a website with messy hands and helps with maintaining good hand hygiene while

cooking. Another factor that contributed to our decision to exclude the use of mobile devices is that most phones have an automatic setting that turns off the display after a certain amount of time of inactivity. Having to manually turn on your phone and enter your passcode every time a user wants to access the recipe could become a nuisance with occupied hands.

Phase 1: Identification

Expected Users

Our expected users are busy people with full time occupations, such as students or professionals who are looking to incorporate more home cooked meals into their daily schedule. Their age range will be approximately 20-50 years old. We understand different users using the application will have different skill levels, and therefore we are primarily targeting users with little to some experience with cooking. However, advanced users would also be able to use it and could select dishes of higher difficulty. We are mainly targeting people who seek to make a quick meal. Users will be required to have basic kitchen knowledge (e.g how to work the oven) prior to cooking recipes. Additionally, users will have to be familiar with using a desktop computer. Individuals with dietary restrictions will also be able to use the tool. Users will come from a variety of demographics, and to accommodate this we will offer a variety of cuisines. Additionally, users will be able to use this website for recipes that cater to any time of day as we will offer breakfast, lunch and dinner recipes.

Work Contexts

Experienced chefs will prepare recipes and record the ingredients, directions, and images for our website. They will also record possible alternative ingredients to accommodate dietary restrictions. Since our expected users have busy lives, they should not have to stay on the site for more than an hour at a time as time efficiency is important. Our expected user will usually use this website on their laptops in their kitchen while preparing a meal. Their period of activity could be interspersed if they take a look at the recipe, then go to a grocery store to purchase missing ingredients before cooking the recipe.

Task Descriptions

1. Shea has an inconsistent schedule, often working long hours at differing times each day. Today, she is craving chicken pot pie and she begins by searching for that recipe. She scrolls through a large list of chicken pot pie recipes, looking for a photo that appears the most appetizing. Then she searches for the recipe that takes the least amount of time. She finds an image that she finds appealing and scrolls through the entire post without reading the description and instructions to see how many ingredients were needed. After finding a recipe with an adequate number of ingredients, Shea gathers the necessary elements and begins cooking her meal.
 - Shea is a typical user that works long hours, with no set schedule and often doesn't have a lot of time to cook and find dishes. Searching for a recipe, looking at photos, and reading the ingredients and instructions are important and frequent tasks.
2. Alex has been cooking since he was young, and often cooks meals for everyone he lives with. Tonight, he decides he will be making pork carnitas tacos for him and his two roommates. To find the best recipe he sets out to find the pork carnitas with the highest rating. Alex finds one that he likes and searches through the reviews of the dish in order to gain better insight into what this recipe will be like. Since he is an experienced chef, he spends minimal amounts of time looking at the recipe as he wants to just get a baseline of the ingredients used in order to make the dish his own. He cooks and serves the meal to his housemates, and uploads his own review of the dish, specifying what ingredients he changed.
 - Alex is not a typical user as he has high levels of experience in cooking. This task, except the spending minimal amounts of time on the recipe, is frequently done and important.
3. Brooke is an amateur chef as she has just recently picked up cooking. Tonight she feels like making something from scratch, so she looks for Thai dishes, followed by 'easy to

make'. Brooke looks through all of the photos to find the most appealing dish: Tom Yum Soup. However, after looking at similar dishes, Brooke decides she wants to make the Cashew Chicken Stir-Fry. She then skips to the recipe to find what ingredients are needed, making sure she has all of the necessary requirements to make this dish.

- Brooke is a typical user, someone with little experience in cooking. This is not the most typical use of the website, as most people will either know what dish they want or will use popular/recommended to find dishes. However, this is important, since we are targeting people with little time we should have a way to find easy to make dishes.
4. Veer is a nurse who often enjoys cooking food at home for healthier alternatives. After a long day of work, she logs in to her account to see her saved recipes but does not find anything she would like to make. She searches for the ingredient 'chickpea' which she wants to incorporate into her meal today. She finds "chickpea curry", however, she is missing some ingredients. She clicks on the ingredients to find alternatives and cooks the meal. She leaves a review of the recipe and the alternatives she used.
- Veer is a typical user with a full-time occupation with moderate to high experience in cooking. There are some important and frequent tasks such as logging into her account, searching based on ingredients, and leaving a review. However, finding ingredient alternatives is rare and not important for the expected users of our system.
5. Ashton is a passionate baker and always finds time to bake for his family during the weekend. Today he decides to make Palmiers, and chooses the first recipe that comes up when he looks up a recipe for it. However, he finds the recipe too difficult for him. Ashton then browses the recommended recipes that are similar to Palmiers but with a lower difficulty and finds one which has a good rating and a comfortable quantity of reviews to reassure him of the recipe. He fetches his recipe book and starts writing down this recipe to begin baking.

- Ashton is a typical user, someone who has had prior experience with cooking. This task displays a common use of the interface, the ability to view a dish's popularity and difficulty level, its reviews, and recommended dishes for users to discover more options. These tasks are both important and frequent.
6. Bonnie needs to bake a lot of small desserts for guests attending her sister's baby shower tomorrow. She feels like trying out something new, so she looks at the currently trending recipes. Her eyes fall on the chocolate chip cookie cups. She clicks on the recipe to find the recipe ingredients and confirms she has all the ingredients necessary. Next, Bonnie confirms the time needed to make the recipe is short since she is short on time. Bonnie has a lot of leftover chocolate chips, so she searches for recipes based on that ingredient. She bookmarks the chocolate chip cookie cake to make next.
- Bonnie is a typical user as she is looking for a recipe that doesn't take long to make. With the exception of ingredient-based searching, all the tasks are frequent and important. Ingredient-based searching is not that important and infrequently done.

Approach for Obtaining and Validating Task Information

These tasks were all collected by asking the end-users about times that they have used a website similar to what we are making. In order to obtain a better sense and for a more in-depth investigation, we also asked and observed most of the users using a similar system. We interviewed them on how and why they carry out their tasks. After we obtained this information, we asked them what they saw a perfect system being like. This enabled us to better understand the reasoning behind some of the tasks that our users carried out and helped us deduce the needs and concerns of users of our system.

In order to validate our task list, we had our users review the task examples they helped us create and asked them if it adequately represented them. We showed users tasks that were

created by others and asked them if it could represent a variation of tasks done by similar users. In addition, we asked if the details in the task examples were realistic. We incorporated this feedback to re-write most of our task examples. Finally, we asked if any details were left out and asked for general suggestions before making the final changes to our task examples.

Phase 2: Tentative List of Requirements

Requirements

Must Include	Should Include	Might Include	Exclude
Instructions	Ability to Popularize Dishes	Difficulty Ranking	Allowing users to post recipes
Dish Preview	User Feedback	Further description (visual or text based) of uncommon ingredients	Siri integration
Ingredients	Skip to Recipe Option	Dislike Option	Excessive Unrelated Information
Ability to Find Dishes	Save/Bookmark Functionality	Beverages	Breakfast/Lunch/Dinner categories
Dietary Accommodations	Prep/Cook Time	Ingredient Based Searching (recipes that include or exclude a specific ingredient)	
Food Categories	Personalized User Recommendations	User Ingredient Replacement Recommendations	

Ability to view ingredients, instructions, and reviews simultaneously	Similar Dishes		
-----------------------------------------------------------------------	----------------	--	--

Must Include: ‘Instructions’, ‘Dish Preview’, and ‘Ingredients’ are all vital to a cooking website- you cannot cook without instructions, ingredients allow you to prep for your dish, and a dish preview allows you to see what your eventual dish will look like. These three features are also extensively talked about in our task descriptions, and as such are must includes. ‘Ability to Find Dishes’ was also used in almost every task description, as they had a dish in mind and wanted to search to find a recipe for that specific dish. ‘Dietary Accommodations’ is important for the user, since it would be very annoying to spend time searching for a dish, find one that looks good, and start preparing only to find out there are ingredients you cannot eat. ‘Food Categories’ are a must include because often you are not craving a very specific dish, simply a type of cuisine (for example Italian), which will also allow you to discover new dishes you may not have known about previously. ‘Ability to view ingredients and instructions/reviews simultaneously’ is a must include because most of the task descriptions speak about scrolling through huge blocks of text to try to find a recipe or the ingredients, scrolling to read reviews, then scrolling back up to look at ingredients, then scrolling to find a recipe. So we decided that there should be a way to have ingredients on the screen as you are scrolling through and reading other parts of the recipe.

Should Include: ‘Ability to Popularize Dishes’ and ‘Personalized User Recommendations’ and ‘Similar Dishes’ are should includes because they drastically make the user experience better and allow you to find new dishes, however our website could work without them. Users will still be able to find recipes they want, they will just have to know exactly what they want before searching. ‘User Feedback’ was found in multiple task descriptions, however our website can work as a cooking instructor without it. This means it is not a must include, however since it was in a lot of our task descriptions, it should be included in our website. The ‘Skip to Recipe’ option is something we spoke about after seeing a lot of people have issues with finding the recipe in our task descriptions. This is just a should include however, since there are potential ways we

can allow users to find the recipe quicker/easier than a skip to recipe option, so we left it out of the must includes. ‘Save/Bookmark Functionality’ was spoken about in our task descriptions, as well as being something we feel should be included for the user experience. Finding a dish you like a lot and having to try to search for it every time you make it would likely not make users happy. ‘Prep/Cook Time’ was gathered from our research on our expected users. Because this website is made for people who might not have a lot of time to cook, having a set time that it will take to make this dish would be very helpful.

Might Include: ‘Difficulty Ranking’ is something we considered placing higher up, however a lot of cooking difficulty is arbitrary. Maybe you have already made a dish similar to an expert dish, making it easy for you even though you are a beginner chef. We decided that prep/cook time would be more important, although this feature still might be included. ‘Further description of uncommon ingredients’ would be nice to implement, cutting down the amount of time spent googling and not looking at our website. This is likely not very important however, as it is easy to google an ingredient you don’t know while you are doing prep work. ‘Dislike option’ was something we considered more-so when we were still debating whether or not to allow users to add their own dishes. Since we are putting in every dish ourselves, we feel that a dislike option is not that necessary. However this would be a way to get feedback from users directly on a dish not working as we intended, so it might still be included. ‘Ingredient Based Searching’ could be included, however we felt it was a lot more important to narrow this feature and focus on dietary restrictions. Being able to search for any ingredient might cause our website to become too cluttered, which is something we set out to eliminate from the start. ‘Beverages’ are something we might include, as websites to make cocktails are becoming a bigger thing. It would be nice to have the dish you are cooking as well as a cocktail you want to make all in one place, and this could also lead us to implementing a system that recommends a specialty cocktail with the dish you chose. We might include ‘User ingredient replacement recommendations’ because this could cause the website to become too cluttered and difficult to navigate. If every ingredient has a few alternatives posted alongside, it might be hard to figure out what is actually needed. However, it is a useful feature that less experienced cooks might need.

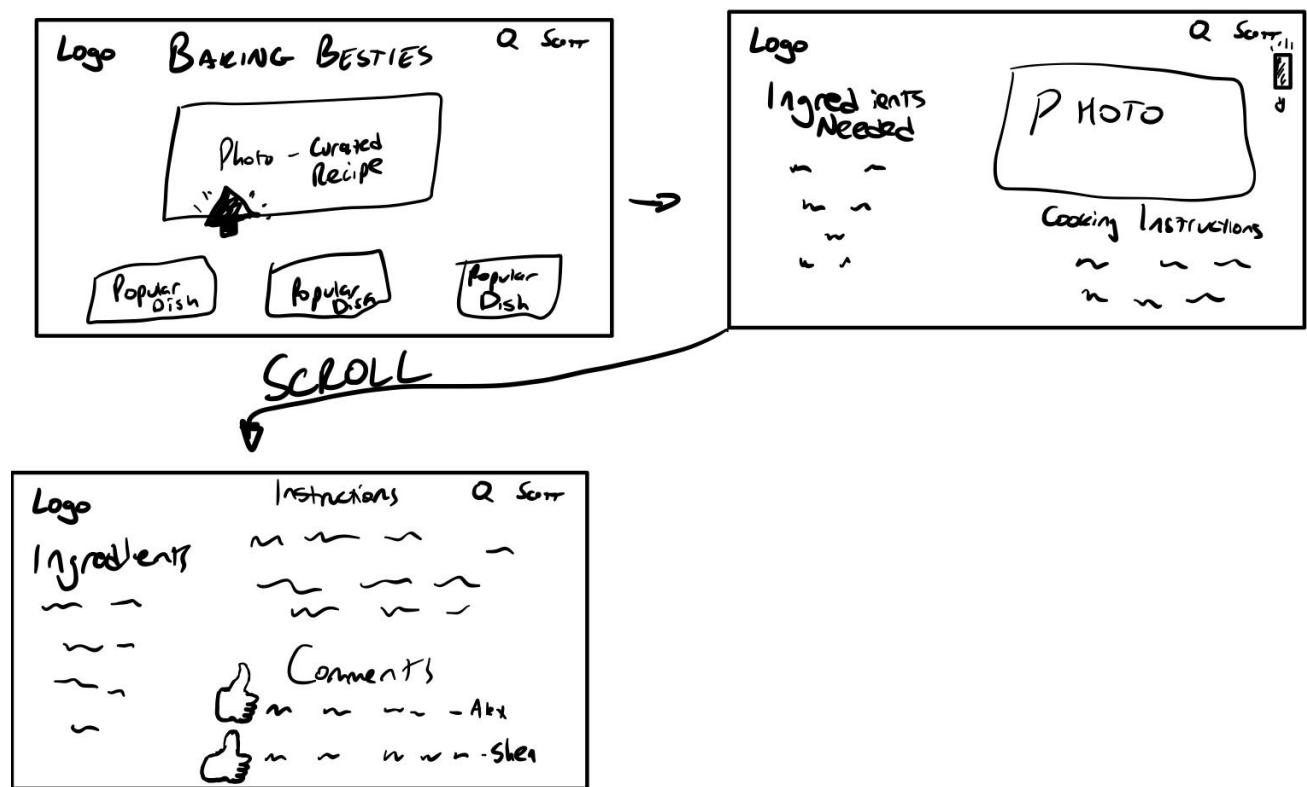
Exclude: We have chosen to exclude 4 features that have come up while doing our research. ‘Allowing users to post recipes’ we have chosen to exclude due to the fact that we would like to be able to curate the experience to the user as well as we can, and having users upload their own recipes could harm this. They could input incorrect prep/cook times, have the wrong ingredients, or label them into the wrong categories, all of which would lower the user experience. ‘Excessive unrelated information’ was a big focus for us, since most cooking websites now have huge walls of text unrelated to the actual cooking of a dish. Our website is seeking to streamline the cooking process, and most of our task descriptions had this as a very large downside, so excluding this was an easy decision to make. Excluding ‘Breakfast/lunch/dinner categories’ was a more tough decision to make, however we felt that these categories may actually decrease the usability. Just because someone cooks a dish for lunch doesn’t mean another person won’t have it for dinner or even breakfast, so arbitrarily filtering dishes out could leave the users confused when searching for the dish they want. ‘Siri Integration’ was something that was considered, however we eventually excluded it after doing research on this function, and determining that this is not something Siri has functionality for yet.

I.I Section 2

Phase 3: Prototyping

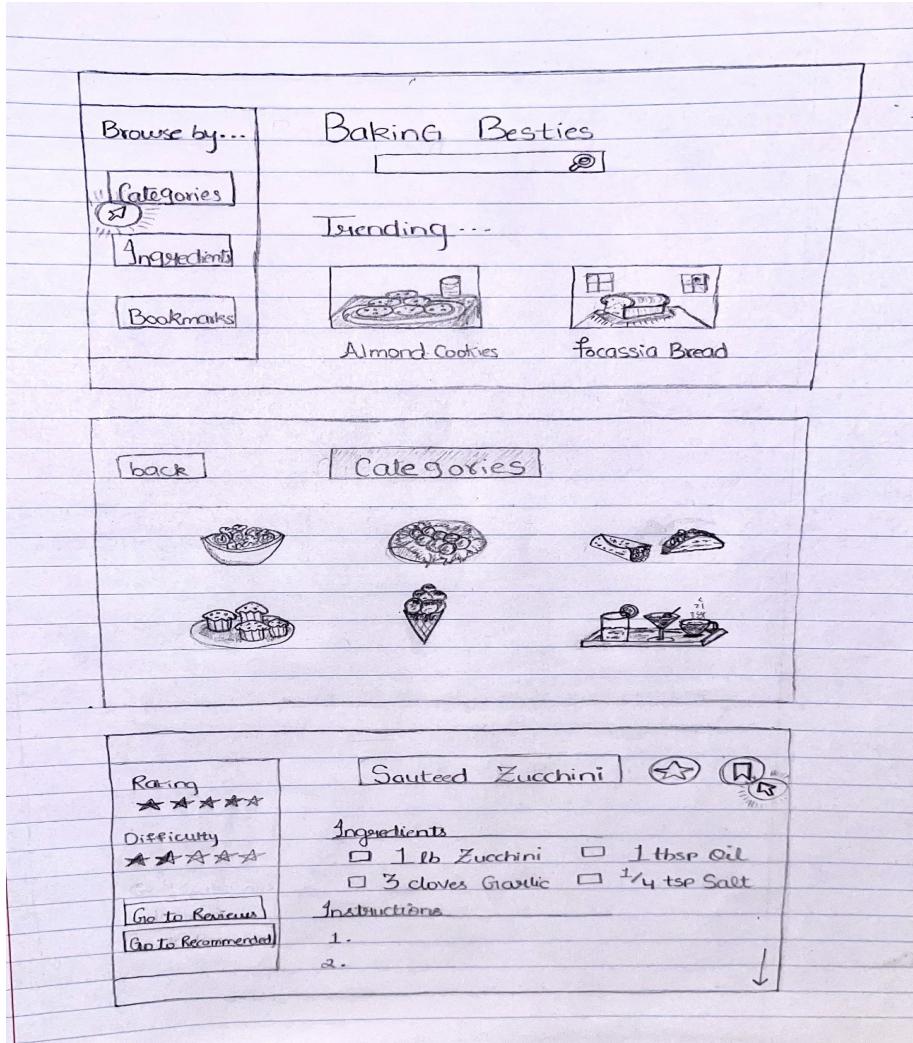
Early Low-Fidelity Prototypes:

Prototype 1



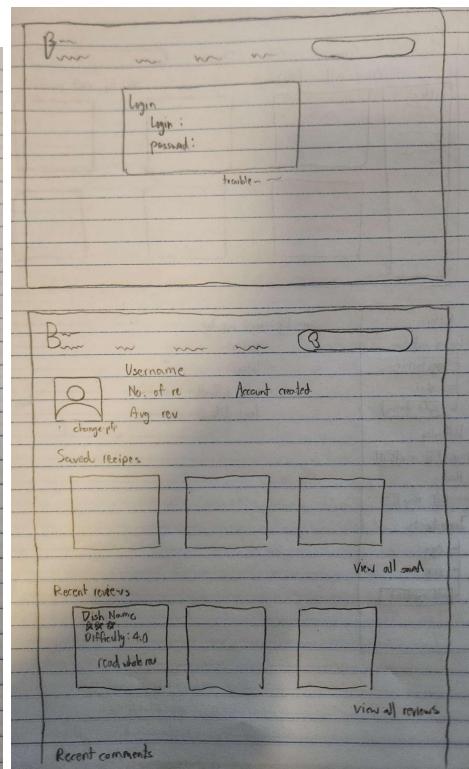
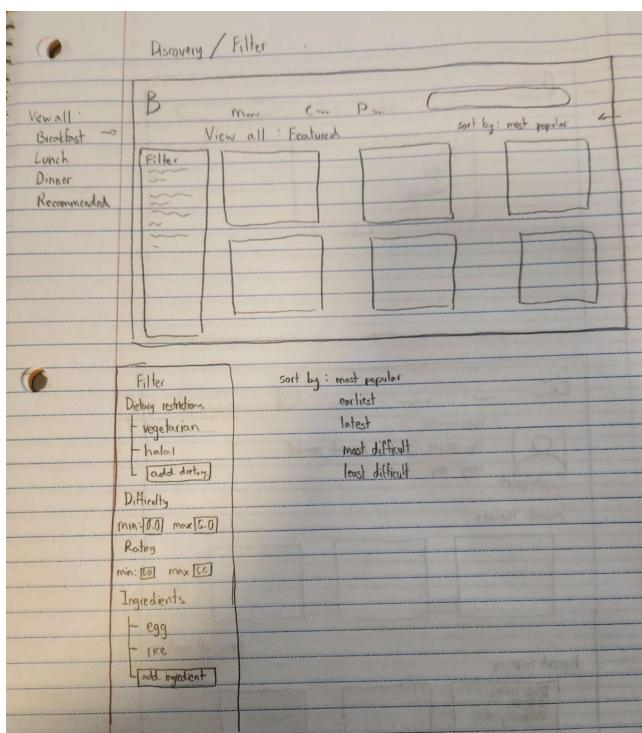
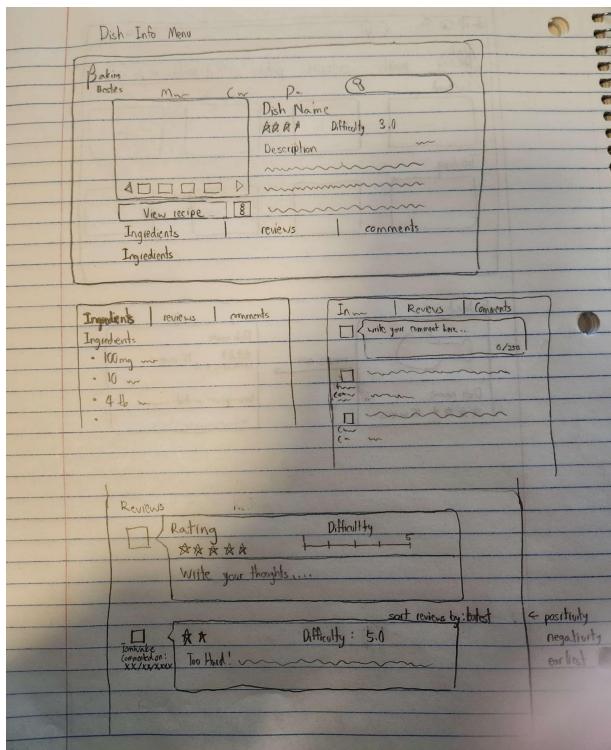
This design was made to address one specific section of the must include; seeing ingredients at all times. Clicking on the dish you want to look at, and having the ingredients be static on the screen while scrolling and looking through the instructions or at the reviews is one of the design implementations that we spoke about. It also includes a user feedback option, as well as curated recipes and popular dishes that the user can choose from.

Prototype 2



This design introduces the ‘browse by’ section that allows users to access dishes of a particular interest. Moreover, the home page shows dishes that are trending, which is a way for us to display dishes that are popularized, which exposes the users to a variety of options to choose from. Additionally, this design also presents recipes with their rating and difficulty, alongside the options to rate and/or bookmark it.

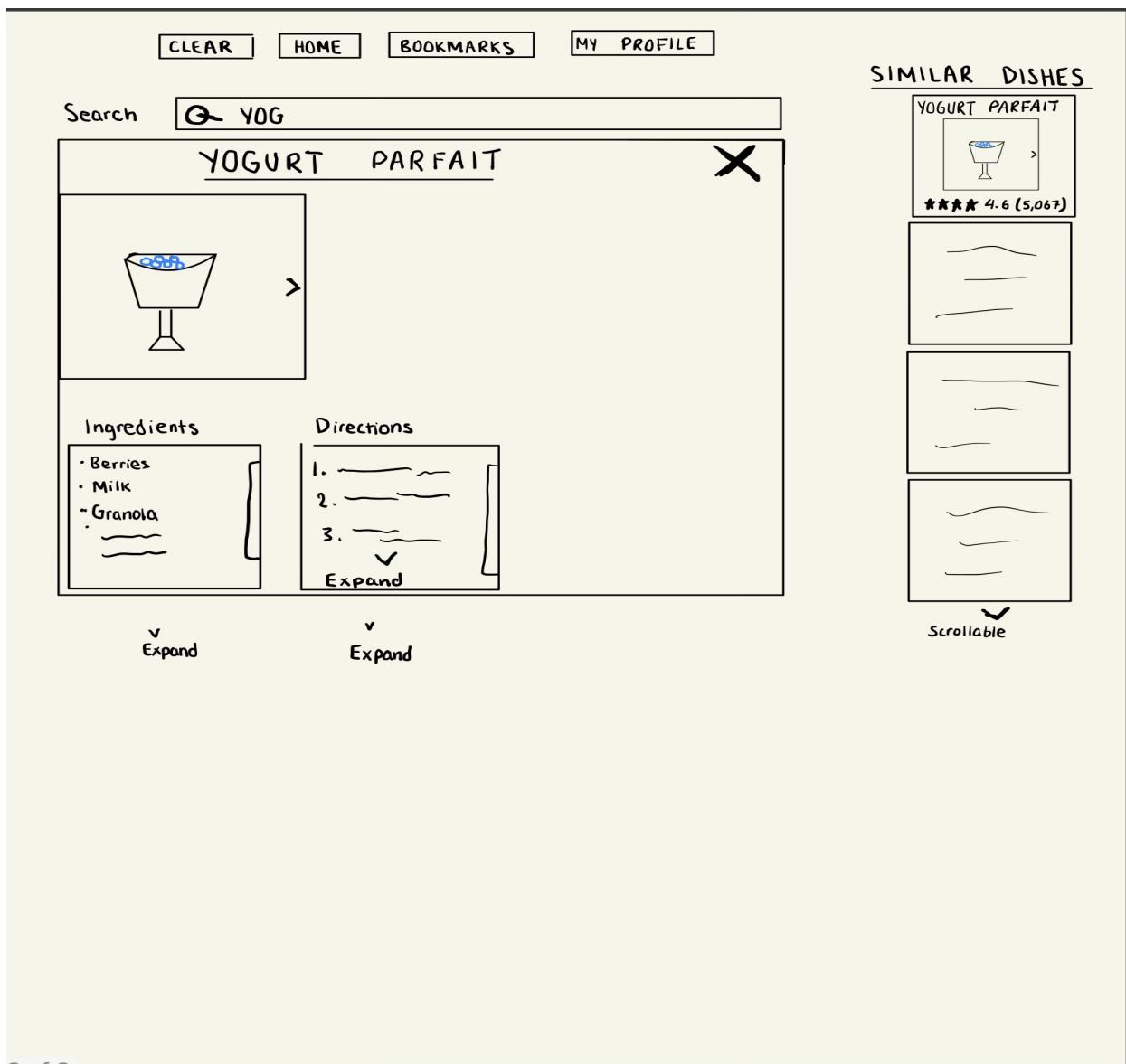
Prototype 3



These designs introduced filtering dishes using a side panel as well as user profiles which we will use to keep track of bookmarks and reviews.

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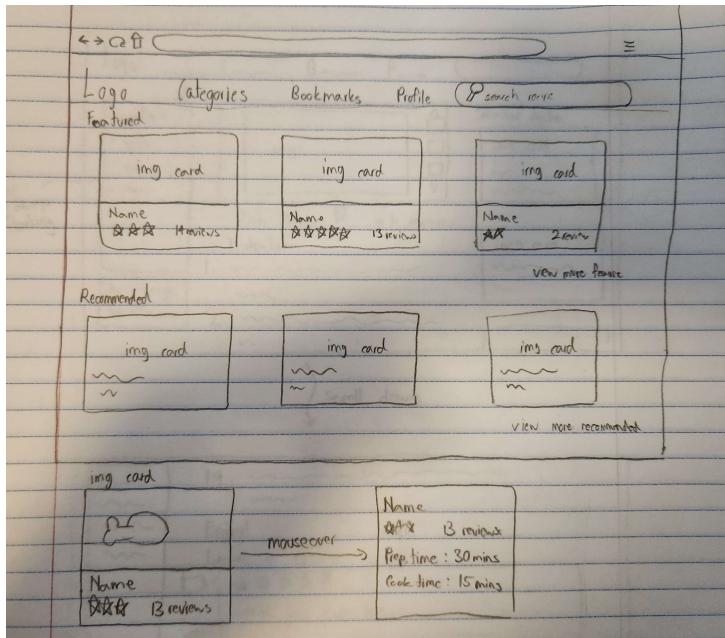
Prototype 4



This design was to show a maximized version of the dish once you have selected it. It should show more information about the dish, and an image gallery the user can browse through by clicking on the arrow. Once the user selects a dish, they will be presented with similar dishes based on this selection. This is shown on the right side of the prototype. This meets our ‘Personalized User Recommendations’ requirement because it is specific to the user’s actions.

Final Low-Fidelity Prototype

Home Page



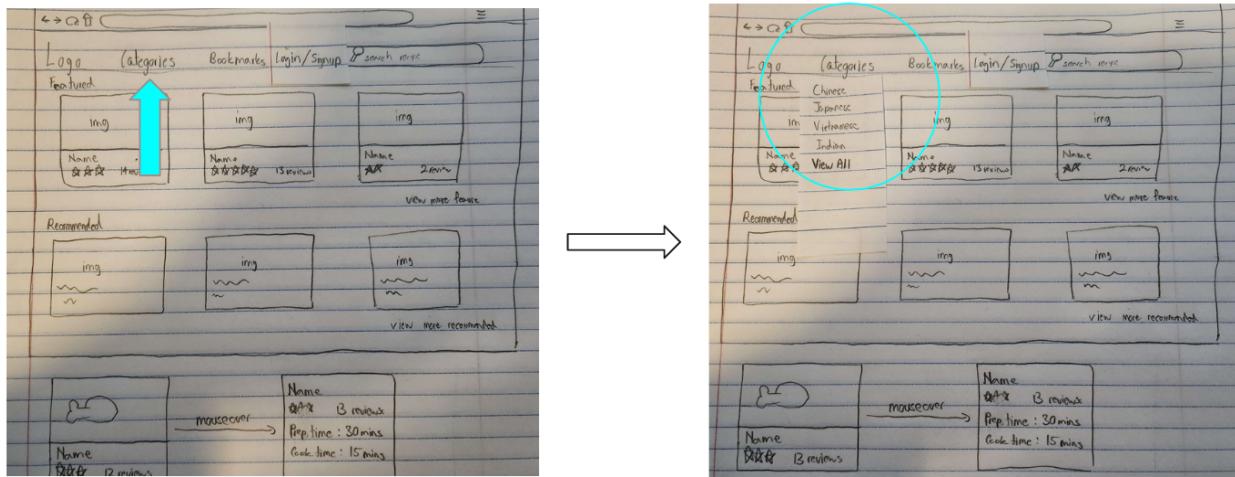
This is the homepage of our website. It is the first page users are greeted with when they visit the site. The recipes are presented to users in **card icons** that show an image of the dish, the name of the dish, the average rating and the number of reviews. Hovering over the card icon with your cursor, reveals more information about the dish. Each card icon is essentially a dish preview, which was stated as one of our requirements.

A few card icons are presented to the user in two sections. The **Featured** and the **Recommended** section. The featured section shows users dishes based on popularity and the recommended section shows users dishes based on the users likes and dislikes. The featured section allows the user to discover completely new dishes while the recommended section shows the user dishes that suit the users likes. The recommended section will be constructed based on an algorithm that will adapt to the users' previously searched dishes. The recommended section meets our 'Personalized User Recommendations' requirement because it is specific to previous activities performed by the user.

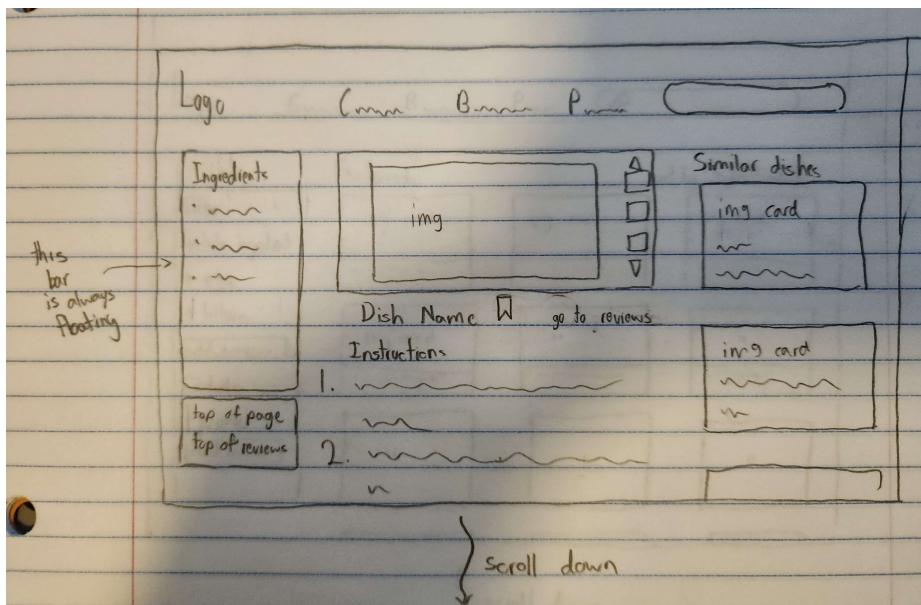
On the top of our website, we have a header with links to Categories, bookmarks and profile. The category section opens up when the user hovers their mouse over it.

On the top right section, there is a search bar. Users can search for dishes by keywords, or by ingredients. This was mentioned in our 'Ability to find Dishes' requirement, which was a must include.

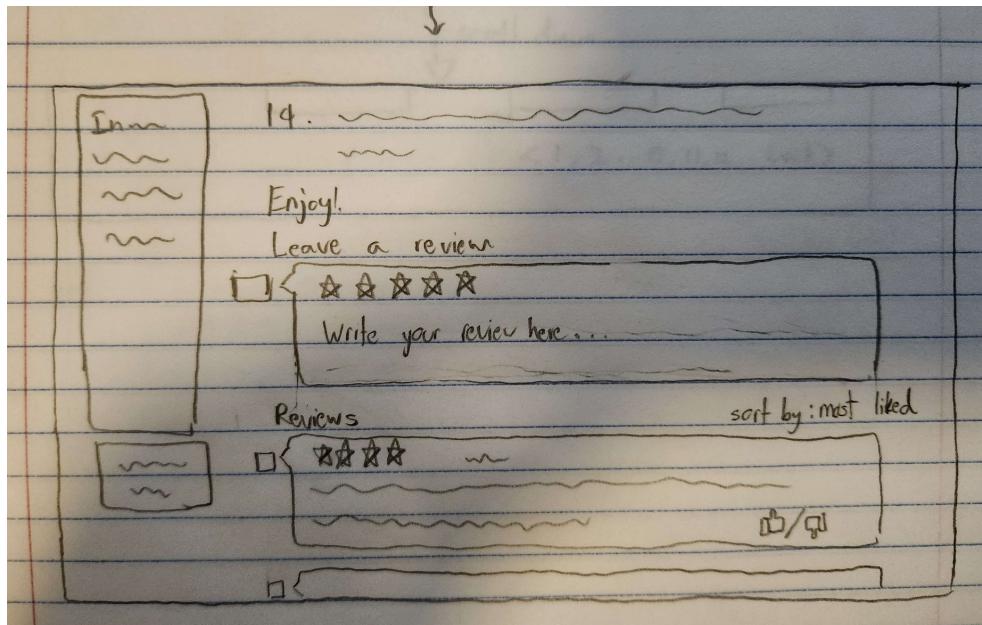
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Recipe page

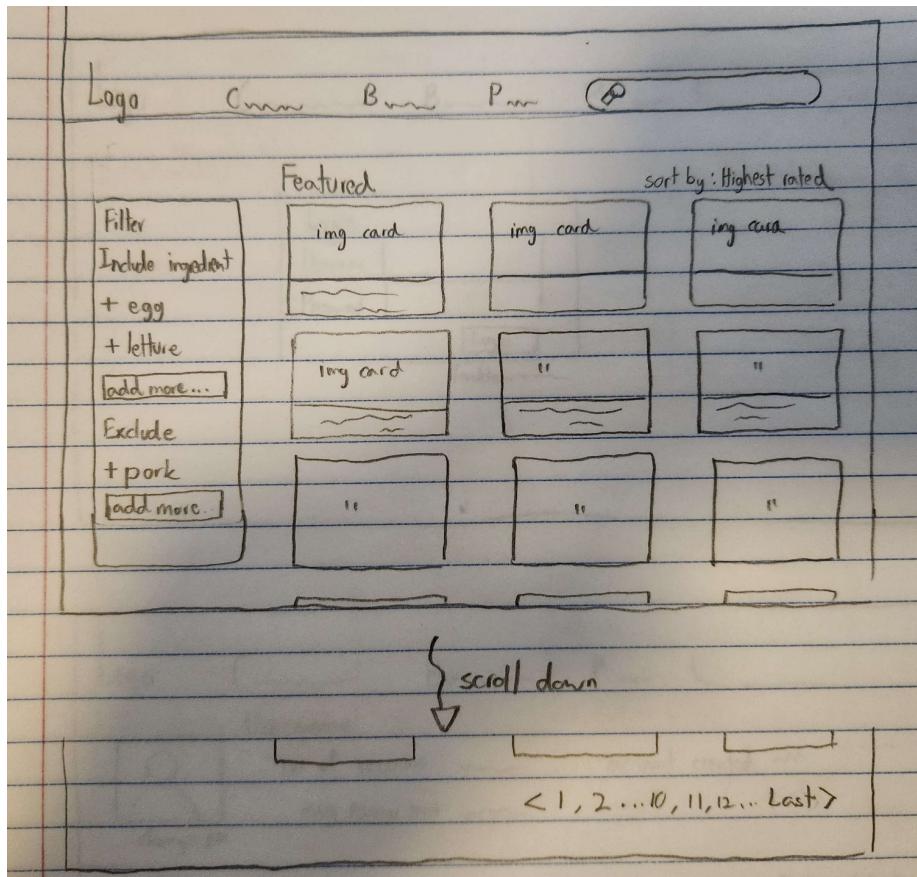


The user is presented with this page when they select a recipe. It features a floating panel with the **ingredients list and quick links** to different sections of the page on the left. These panels always follow the user. On the right, we have a **panel showing similar dishes** using the same cards as the home page. In the middle, there is a **media gallery**, the name of the dish, buttons to like and bookmark, and a button to go to reviews. These features are directly related to the requirements of Ingredients, Dish preview, and Save/Bookmark functionality. Below that, we have the instructions.



Also at the bottom of the page is a review section when users can leave a review or read other reviews. The review section meets our User Feedback requirement since users can leave their opinion on the recipe.

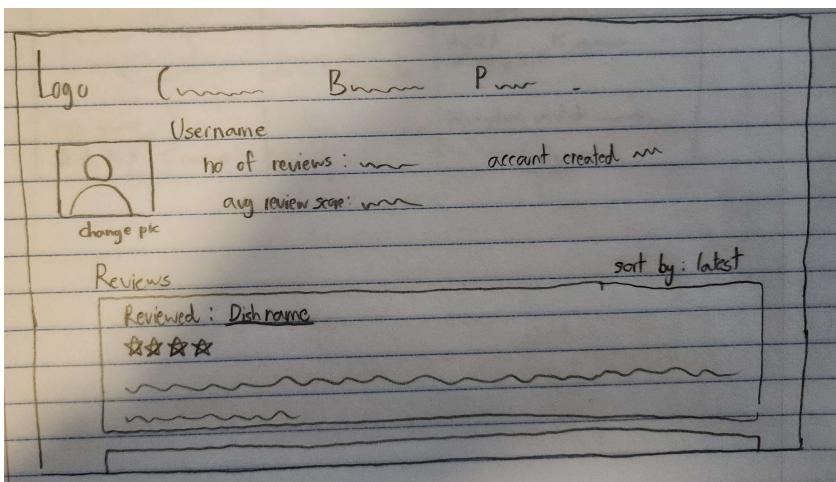
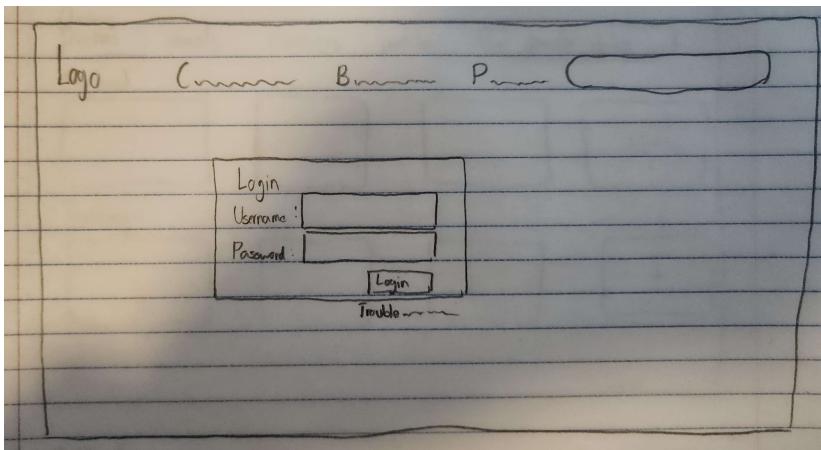
Filtering page



When a user views a category, views more featured dishes or searches for a particular dish, they arrive on this page that allows them to filter the results or sort the results. This feature is mainly for the 'Dietary Accommodations' requirement.

Main features are the large number of card icons for browsing, the filtering panel that includes filtering by ingredients, and sort options

Login and Profile page



Our website also features user profiles, so users can bookmark recipes and keep track of all their reviews. We have a simple login page. Our profile page features information about the user as well as all their previous reviews. Having a profile meets the 'Save/Bookmark functionality' requirement because all previous activities are saved in the users' profile.

Phase 4: Team Discussion and Walkthrough

Task Description 1 Walkthrough:

Task Step	Motivated? Knowledgeable?	Problems/Solutions?
1: Click the search bar in the top right corner of the screen	<ul style="list-style-type: none"> Motivation: High motivation, this starts the process of finding the dish Shea wants. Knowledge: The search bar is explicitly labeled on the home page. 	
2: Input 'chicken pot pie' in the search bar	<ul style="list-style-type: none"> Motivation: High motivation, this step specifies what dish she is wanting to make. Knowledge: Medium, Shea knows what she wants to search for but does not know the format of input to use 	<p>Problem: No indication of what format you are supposed to enter in the search bar. Solution: Have a sample input already in the search bar</p>
3: Press enter	<ul style="list-style-type: none"> Motivation: High motivation as this step enables user to see their preferred dish Knowledge: Common to all search bars, so Alex has the knowledge to do this once entering the name of the dish 	
4: Hover over Photo of chicken pot pie to see the amount of time it will take to cook	<ul style="list-style-type: none"> Motivation: High motivation, since she will want to click on the dish to bring her to the recipe. Knowledge: Low, a new user to the website would not know hovering over the photo reveals prep time. 	<p>Problem: No 'real' indicator that you can hover over a dish to show more details about it. Solution: Say somewhere to 'Hover Image' or 'Hover Dish' etc. to let users know you can do such a thing.</p>
5: Click on photo of chicken pot pie	<ul style="list-style-type: none"> Motivation: High, this brings Shea to the dish she set out to find at the start Knowledge: The dish is clearly labeled on the screen with an image and a label. 	
6: Uses scroll wheel to read recipe instructions	<ul style="list-style-type: none"> Motivation: High, this allows Shea to read the instructions to 	

	<ul style="list-style-type: none"> actually make and cook the recipe. Knowledge: She has the knowledge to do this step because using a scroll wheel to scroll down the page is common knowledge. 	
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This task walkthrough focuses on the ‘Prep/Cook time’ requirement since Shea was able to see the cook time of her selected dish.

Problems

- No indication for search bar
- Feature to reveal more information by hovering is not indicated

Successes

- Searching is easy to access on the top banner

Task Description 2 Walkthrough:

Task Step	Motivated? Knowledgeable?	Problems/Solutions?
1: Click the search bar in the top right corner of the screen	<ul style="list-style-type: none"> • Motivation: High motivation, this starts the process of finding the dish you want • Knowledge: The search bar is explicitly labeled on the home page. 	
2: Input ‘pork carnitas’ in search bar	<ul style="list-style-type: none"> • Motivation: High motivation, this step specifies what dish you are wanting to make • Knowledge: Medium, Alex knows what he wants to search for but does not know the input format 	No indication of what you are supposed to enter in the search bar. Solution: Have a sample input already in the search bar
3: Press enter	<ul style="list-style-type: none"> • Motivation: High motivation as this step enables user to see their preferred dish • Knowledge: Common to all search bars, so Alex has the knowledge to do this once entering the name of the dish 	
4: Click ‘Sort By’ bar in the top right & select	<ul style="list-style-type: none"> • Motivation: Low Motivation since this is an extra step that Alex has to 	Problem: User manually selects the option

'Highest Rating'	<ul style="list-style-type: none"> go through Knowledge: Sort by is clearly listed in the top of the screen 	Solution: Sort by highest rating automatically, all users would want to view highly rated dishes over poorly rated ones
5: Click on first search result (highest rated)	<ul style="list-style-type: none"> Motivation: High, this brings Alex to the dish he set out to find at the start Knowledge: The dish is clearly labeled on the screen 	
6: Click on 'Go to Reviews' button below the ingredients on the left side of the screen	<ul style="list-style-type: none"> Motivation: High, as it saves time for Alex instead of scrolling. Knowledge: Explicitly labeled button. 	
7: Click 'Go to Top' button below the ingredients on the left side of the screen	<ul style="list-style-type: none"> Motivation: High, as it allows Alex to go to the ingredients section. Knowledge: Explicitly labeled button on the screen. 	
8: Click on 'Go to Reviews' button below the ingredients on the left side of the screen	<ul style="list-style-type: none"> Motivation: High, as it saves time for Alex instead of scrolling. Knowledge: Explicitly labeled button. 	
9: Select the number of stars (1-5)	<ul style="list-style-type: none"> Motivation: Medium, since this does not lead to leaving a detailed review directly. Knowledge: There are stars clearly shown in the review panel. 	
10: Type your review	<ul style="list-style-type: none"> Motivation: High, Alex is motivated to leave a review of this dish in order to help future users. Knowledge: Alex has the knowledge from making the dish to make comments about it and the input box is clearly visible. 	
11: Press enter to post review	<ul style="list-style-type: none"> Motivation: High, Alex is motivated to post his custom review to contribute to his sense of community and to submit his input. Knowledge: Common to all input fields, so if Alex has reached this step he must have the knowledge to 	

	press enter.	
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This walkthrough meets the ‘User Feedback’ requirement since Alex was able to read reviews of the dish prior to cooking it. It also meets the ‘Ability to find Dishes’ requirement additionally with a filter (highest rated).

Problems

- No indication for search bar
- Page is not sorted by highest rating in default

Successes

- Searching is easy to access on the top banner
- Quick links in the recipe page help make navigation easier on recipe page
- Leaving user feedback is a simple process, but user feedback could be more specific

Task Description 3 Walkthrough:

Task Step	Motivated? Knowledge?	Problems/Solutions?
1: Click on ‘Categories’ located in top navigation panel	<ul style="list-style-type: none"> • Motivation: High motivation, this starts the process of finding the dish you want. • Knowledge: The categories bar is explicitly labeled on the home page. 	
2: Click on ‘Thai’ from submenu	<ul style="list-style-type: none"> • Motivation: High motivation as this step specifies the category of dish the user is trying to make • Knowledge: Low, the user is aware of the dish type they want but does not immediately know where to find the submenu 	<p>Problem: Not immediately known where what submenus are Solution: Give a preview to new users of the website of the ability of submenus appearing</p>
2: Click on ‘Sort By’ in the Filter section	<ul style="list-style-type: none"> • Motivation: High motivation as this step specifies details about the dish • Knowledge: Brooke should have previous knowledge about filtering search results to be able to use this feature, as it is for a slightly more advanced search 	
3: Click on ‘Easiest’	<ul style="list-style-type: none"> • Motivation: Medium as this is an extra step for Brooke, but she is looking for easy dishes so this is a necessary step to reach her goal 	

	<ul style="list-style-type: none"> Knowledge: Options are clearly labeled once 'Sort By' is clicked 	
4: Select 'Tom Yum Soup'	<ul style="list-style-type: none"> Motivation: High. Brooke will be able to see more information about the dish if she clicks on it Knowledge: The dish is clearly labeled 	
5: Select 'Cashew Chicken Stir-Fry' on right side in Similar Dishes section	<ul style="list-style-type: none"> Motivation: High. Brooke will be able to see more information about the dish if she clicks on it Knowledge: The dish is clearly labeled 	

This walkthrough meets the 'Ability to Find Dishes' requirement, along with filtering the search results which were present in our prototype. The 'Difficulty Ranking' requirement was also met since Brooke looked for dishes that are easy to make.

Problems:

- No indication of where and how submenus work.

Successes:

- Filtering down dishes into categories and difficulty
- Find similar dishes

Task Description 4 Walkthrough:

1: Click on Login/Signup in the top header links	<ul style="list-style-type: none"> Motivation: Low motivation. It is the start of a long process of logging in and it does not directly achieve the users goal Knowledge: The login button is clearly displayed in the top banner 	Possible solution: Provide the user an option to stay logged in on the same computer Possible solution: Use alternative forms to track user data such as cookies
2: Enter login details	<ul style="list-style-type: none"> Motivation: Low motivation, part of the process of logging in. Knowledge: The fields to enter details in directly in the center of the screen 	
3: Click Login	<ul style="list-style-type: none"> Motivation: Low, also a part of logging in. 	

	<ul style="list-style-type: none"> Knowledge: Clearly labeled button below the fields to enter login details 	
4:Click Bookmarks	<ul style="list-style-type: none"> Motivation: High. The step that directly shows the user information they want Knowledge: Clearly labeled link in top banner 	
5:Click on search bar	<ul style="list-style-type: none"> Motivation: High, Veer wants to find a dish Knowledge: The search bar is explicitly labeled on the top banner 	
6: Enter 'chickpea' into search bar	<ul style="list-style-type: none"> Motivation: High motivation as this step specifies the dish the user is trying to make Knowledge: the user is aware of the dish they want 	
7: Press Enter	<ul style="list-style-type: none"> Motivation: High motivation as this directly shows her the search results Knowledge: the user already knows the function of enter key 	
8:Click on 'chickpea curry' in the search results	<ul style="list-style-type: none"> Motivation: High motivation as this shows the user a recipe Knowledge: the user already knows the function of enter key 	
9: Click on ingredient to view alternative	<ul style="list-style-type: none"> Motivation: High motivation as this result should give the user additional information Knowledge: Low, This feature is not on our website 	<p>Problem: Our prototype does not have a 'User Ingredient Replacement Recommendations'</p> <p>Solution: include a feature where the website gives the user alternative ingredients when they click on an ingredient in the ingredients panel</p>

This task walk through relates to the 'Save/Bookmark functionality' because Veer was able to bookmark the recipe. 'User Ingredient Replacement Recommendations' was also significant in this walkthrough since Veer used alternative ingredients to cook her dish.

Problems

- No indication for search bar
- No feature to find alternative ingredients

Successes

- Searching is easy to access on the top banner
- Bookmarks are easy to find on the top banner

Task Description 5 Walkthrough:

Task Step	Motivated? Knowledgeable?	Problems/Solutions?
1: Click the search bar in the top right corner of the screen	<ul style="list-style-type: none">• Motivation: High motivation, this starts the process of finding the dish you want• Knowledge: The search bar is explicitly labeled on the home page.	
2: Input 'Palmiers' in the search bar	<ul style="list-style-type: none">• Motivation: Low motivation as the user may find the search bar's functionality ambiguous• Knowledge: the user is aware of the dish they want	No indication of what you are supposed to enter in the search bar. Solution: Have a sample input already in the search bar
3: Press enter	<ul style="list-style-type: none">• Motivation: High motivation since this step enables the user to see their preferred dish• Knowledge: common to all search bars, so the user has knowledge to do this	
4: Hover on photo of Palmiers to get to the details	<ul style="list-style-type: none">• Motivation: High motivation as the user gets to see the details for the dish that interests them• Knowledge: dish is clearly labeled	
6: Click on a dish under the recommended section to the right of the page	<ul style="list-style-type: none">• Motivation: Medium motivation as the user has to go through extra steps to find a dish of the difficulty level of their liking but they are still accessing information about dishes• Knowledge: recommended section clearly labeled	

9. Click on ‘Go to Reviews’ button below the ingredients on the left side of the screen	<ul style="list-style-type: none"> Motivation: High motivation as the user saves time from scrolling Knowledge: Explicitly labeled button 	
------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

This task walkthrough meets the ‘User Feedback’ and ‘Ability to find dishes’ requirement.

Problems

- No indication for search bar

Successes

- Searching is easy to access on the top banner
- Hovering over a picture to get more information about the dish allows users to access plenty of information without going to another page while the first does not overload the user with information
- Reviews are easy to access

Task Description 6 Walkthrough:

Task Step	Motivated? Knowledgeable?	Problems/Solutions?
1: Click ‘View more’ in the currently trending recipes section	Motivation: High, Claudia is browsing through pictures to find the one she likes. Knowledge: High, the label is clearly visible.	
2: Click on ‘Chocolate Chip Cookie Cups’	Motivation: High, By clicking she will be able to view more information about the dish. Knowledge: Moderate, not immediately clear click is needed	Problem: Claudia could not necessarily know to click on the dish to see its instructions/ingredients Solution: Adding a “see more..” label to the dish
5: Confirm time needed	Motivation: High, She is short on time so she needs to check this before deciding to make the recipe Knowledge: High, Cooking time is labeled next to the dish	
4: Click on search bar on top right of screen	Motivation: High, Claudia wants to find more recipes that contain chocolate chips.	Problem: Search bar is not labeled to clearly indicate ingredient-based searching

	Knowledge: Low	Solution: Include a label on the side that shows 2 example searches: one regular and one for ingredient-based searching
5: Input ‘chocolate chips’ into the search bar	Motivation: High. Claudia wants to view more recipes with this ingredient and this step is necessary to reach her goal Knowledge: High. Claudia has used the search bar before, so she knows how to find recipes using it	
6: Press enter	Motivation: High. Claudia wants to see the search results after her effort of typing key letters Knowledge: High. Common to all search bars, so she has the knowledge to do this once entering the name of the dish	
7: Click on ‘Chocolate Chip Cookie Cake’	Motivation: High. By clicking she will be able to view more information about the dish Knowledge: Moderate for the same reason mentioned above when clicking on a recipe	
8: Click on ‘Bookmark’ icon located underneath dish name	Motivation: High. This is a direct step to ensure Claudia can access the recipe at a later time Knowledge: Low, Claudia does not know what the symbol for bookmarking is.	Problem: We only have an icon for bookmarking recipes. It could be confusing to users who are unfamiliar with the icon Solution: Add a ‘Bookmark’ label next to the icon

This task walkthrough relates to the ‘Ingredient-based searching’, since Claudia was able to find a recipe by searching chocolate chips. It also meets the ‘Ability to Popularize Dishes’ requirement since Claudia found her first dish by looking in the trending section.

Problems

- No indication for search bar

Successes

- Searching is always easy to access on the top banner
- Hovering over a picture to get more information about the dish allows users to access plenty of information without going to another page while the first does not overload the user with information
- Reviews are easy to access because of the quick links

Overall, we have not encountered a major flaw in our design, however a recurring issue we faced was the ambiguity users face when they use the search bar. Nonetheless, this issue is resolved by having a sample input to guide our users. Similarly, the option to hover on a recipe preview also causes confusion among users due to its vagueness. However, our solution is to clearly label and specify the option to hover over previews. Additionally, another problem we faced was in our walkthrough, where we indirectly mentioned the ingredient replacement recommendations, but did not include the functionality in our prototype. Our solution is to add it to our prototype after this phase

Amongst the features of the design that are considered successful are the quick link buttons such as the ‘Go to reviews’ and ‘Go to top’ that provide the users with accessibility and are time-efficient. Furthermore, the ability to bookmark and save recipes is also considered to work well for the system as it provides convenience as well as saving time for the user to return to their preferred recipes. Moreover, the recommended section for a recipe is regarded as a general success as well, due to the convenience it provides for a user in finding similar recipes. Similar to this is the optimality of the Trending page, which supplies a user with various recipes and introduces them to new kinds of recipes, making this feature work well for the system as a whole.

III: Redesign and Horizontal Prototype

Objectives of The Redesign

The main goals of our redesign project are centered around improving user experience and increasing the optimality of our cooking instructor interface. Our primary objective is to save time for our users by streamlining the interface and making it more convenient and easy to navigate, by enhancing the user experience and making it more intuitive and user-friendly, honing in on efficiency and optimality, and making it easier for users to find the information they need.

In addition to making the browsing experience more efficient and convenient, our redesign project also aims to create a more personalized experience for our users. We aim to create a more engaging and relevant experience that saves users time and effort by providing a more personalized experience. We believe that by achieving these goals, we hope to create a more engaging and efficient experience for our users, ultimately leading to increased user satisfaction and retention.

Elements of Interface Altered

As part of our redesign project, we added new elements to the cooking instructor platform to enhance the user experience. One of the key changes we made was to give users the ability to customize the way they view recipe instructions. Users can now choose to view recipe instructions in full-screen mode or expand them within the interface. This feature provides users with greater flexibility and control over how they interact with the content, making it easier and more convenient for them to follow along with the recipe, therefore, creating a more engaging and intuitive platform that meets the needs of our user base

Another instance of how user feedback can be applied to enhance the platform is by the addition of a "Not interested" function, where a user can specify their disinterest in a recipe in the

featured/ recommended section. This allows the platform to be more interesting and valuable for the user by allowing users to give feedback and personalize their experience.

Problems Addressed

The previous iteration of the interface presented users with content that may not have been relevant to their interests. For instance, a user who does not eat meat may have been shown recommendations for dishes that contain meat, despite having specified this preference during their earlier use of the platform. Similarly, the interface required users to constantly specify what they were not interested in, making it time-consuming and inconvenient.

Moreover, in previous versions of the interface, users may have encountered issues regarding the instructions section on a recipe page. Specifically, the instructions did not have an option to expand or collapse, making it inconvenient for users who would want to skim or focus on specific sections of the instructions. Thus, making it difficult for users to navigate the recipe page and find the information they needed.

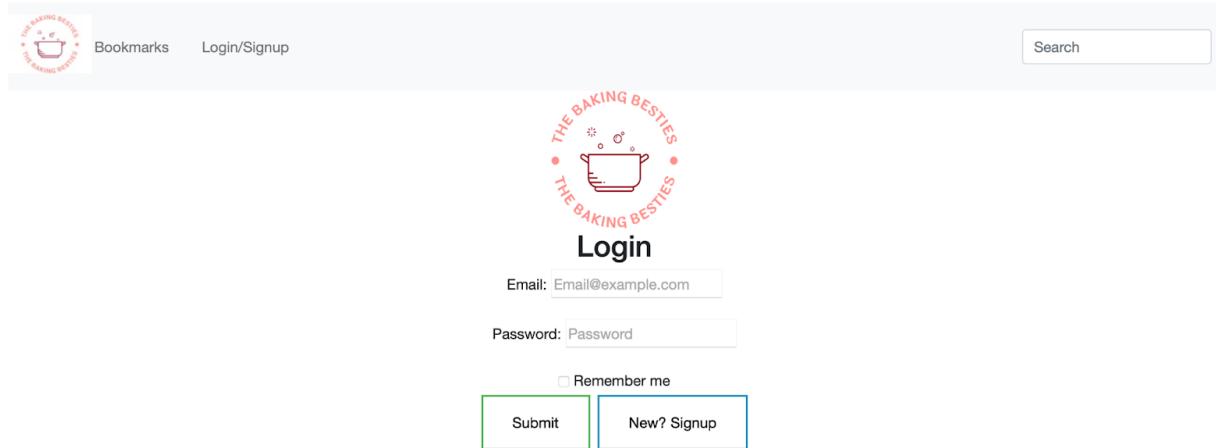
Expected Outcomes of The Redesign

By enabling users to modify their settings and preferences by implementing the functionality for understanding user preferences, we address the issue of the interface being inefficient and overly generalized. As a result of this feature, we seek to give users a more tailored and individualized experience based on their unique requirements and interests. Additionally, the recipe instructions expanding feature aims to address the issue of users not being able to fully view the information they need.

Combined, these elements can significantly improve the product's usability and functionality, making it simpler and more effective for users to accomplish their goals. By addressing the issues of difficulty navigating the product and not being able to quickly find the information they need, as well as by personalizing settings and preferences for and engaging in more give and take with users, we not only create a more enjoyable and comfortable user experience but also

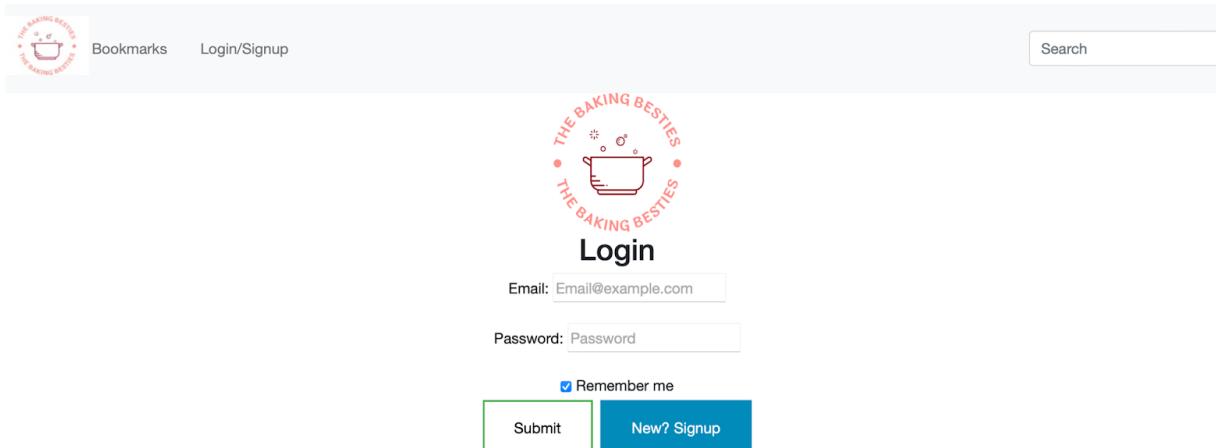
increase user productivity and efficiency by reducing the time it takes to find the information they need, which constitutes as the primary focus of our interface.

Design Elements and Components



The screenshot shows the login page for "The Baking Besties". At the top left is a logo featuring a red cupcake with a white swirl on top, surrounded by the text "THE BAKING BESTIES" in a circular arrangement. To the right of the logo are links for "Bookmarks" and "Login/Signup". On the far right is a search bar with the placeholder "Search". The main title "Login" is centered above two input fields: "Email: Email@example.com" and "Password: Password". Below these fields is a "Remember me" checkbox. At the bottom are two buttons: "Submit" (green outline) and "New? Signup" (blue outline).

This is the page you land on when you click the Login/Signup button. You have the ability to sign in, or create an account.



The screenshot shows the login page for "The Baking Besties", identical to the one above but with a key difference: the "Remember me" checkbox is checked with a blue checkmark. All other elements, including the logo, navigation links, input fields, and buttons, remain the same.

The box will fill up when you click on it to be brought to the signup page.

The screenshot shows a web browser window for 'THE BAKING BESTIES'. At the top left is a circular logo with a red border containing a white cupcake icon and the text 'THE BAKING BESTIES' repeated twice. To the right of the logo are links for 'Bookmarks' and 'Login/Signup'. On the far right is a search bar with the placeholder 'Search'. The main content area has a light gray background. In the center, there is a circular logo with a red border containing a white cupcake icon and the text 'THE BAKING BESTIES' repeated twice. Below this logo, the word 'Signup' is centered in a bold black font. Below 'Signup' are four input fields: 'First name:' followed by a text input field containing 'First Name'; 'Last name:' followed by a text input field containing 'Last Name'; 'Email:' followed by a text input field containing 'Email@example.com'; and 'Password:' followed by a text input field containing 'Password'. At the bottom are two buttons: a green-outlined 'Submit' button and a blue-outlined 'Back to Login' button.

If you click the New? Signup button you are brought to this page. You enter your name, email and password and click submit to create your account and be brought back to the login screen.



The Baking Besties

Bookmarks Login/Signup

Search

Login

Email:

Password:

Incorrect Email or Password

Remember me

If you enter an incorrect email or password, this is the error message you get.



Bookmarks Login/Signup

Search

Signup

First name: First Name
First Name is Required

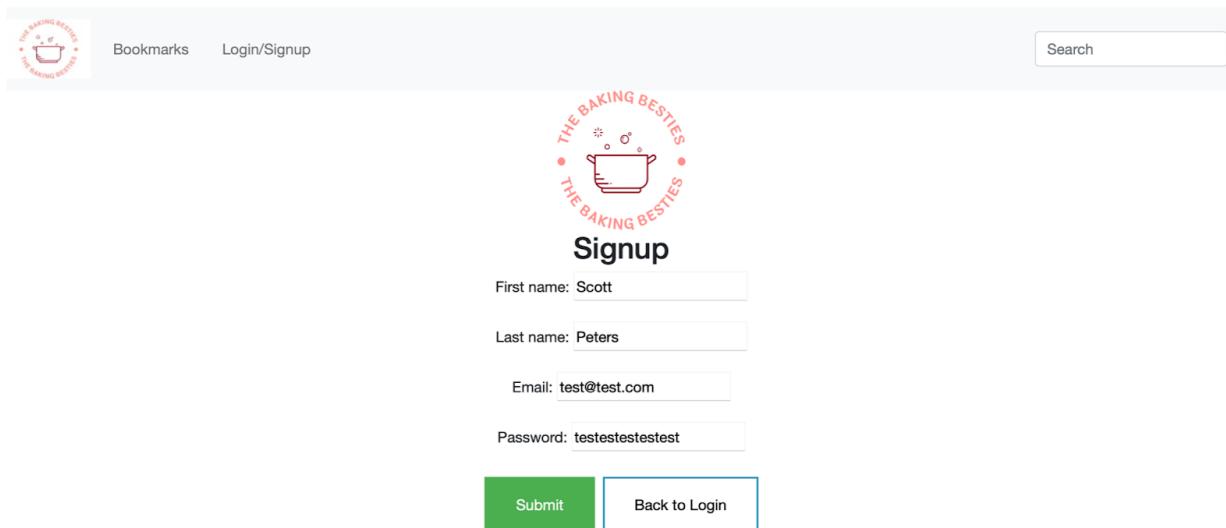
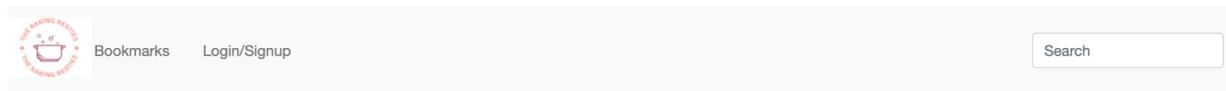
Last name: Last Name
Last Name is Required

Email: Email@example.com
Email is Required

Password: Password
Password must be at least 15 characters long

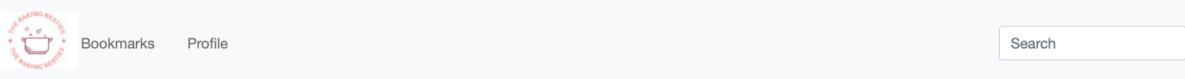
[Submit](#) [Back to Login](#)

If you enter incorrect things into the signup form these are the error messages you get. Showing all at once for posterity but they will only show up if you did something wrong in the specific boxes.



Both of these show entering text and clicking submit. The submit box fills up and lets you know you are clicking on it.

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Scott Peters

Account Created: 03/12/2023
Number of reviews: 6
Average Review Score: 5

[Edit Photo](#)

Reviews

Sort by: Latest 

Reviewed: Macaroni and Cheese

★★★★★

Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!

This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Double Cheeseburger

★★★★★

This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Cookie

★★★★★

This is text this is text I am writing a review.

Once you are logged in, you can click on your profile in the navigation bar where login/signup once was. This will open this page, which has an (optional) photo, this is what the default photo would look like if you have never uploaded one, and there is an option given to edit the photo. It has your username, when your account was created, the number of reviews, and your average review score. Below this is where your reviews are listed, showing the dish you reviewed, what rating you gave it, as well as the text associated with the review.

The screenshot shows a user profile for "Scott Peters". At the top left is a circular placeholder for a profile photo, with a "Edit Photo" link below it. To the right are links for "Bookmarks" and "Profile", and a search bar. The main content area features the user's name "Scott Peters" in bold. Below the name are three lines of account statistics: "Account Created: 03/12/2023", "Number of reviews: 6", and "Average Review Score: 5".



Scott Peters

Account Created: 03/12/2023
Number of reviews: 6
Average Review Score: 5

[Edit Photo](#)

Reviews

Sort by Latest
 Rating-High
 Rating-Low

Reviewed: Macaroni and Cheese

★★★★★

Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!

This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Double Cheeseburger

★★★★★

This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Cookie

★★★★★

This is text this is text I am writing a review.

There is a dropdown that gives you an option to sort by latest review, highest rated review or lowest rated review.

REVIEWS

Sort by: 

Reviewed: Macaroni and Cheese



Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!

This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Double Cheeseburger



This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Cookie



This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Pancakes



This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Fries



This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

If you scroll down you can see all reviews you posted within your profile page.

Home Bookmarks Profile

Go back Home

Search



Scott Peters

Account Created: 03/12/2023
Number of reviews: 6
Average Review Score: 5

[Edit Photo](#)

Reviews

Sort by: Latest

Reviewed: Macaroni and Cheese

★★★★★

Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!

This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

Reviewed: Double Cheeseburger

★★★★★

This is text this is text I am writing a review.

Review is good this is text.

Text text text text text

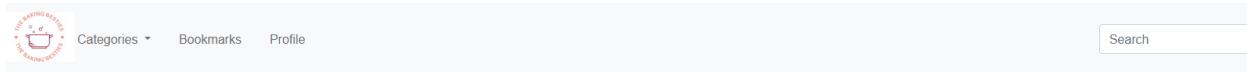
Reviewed: Cookie

★★★★★

Hover over our logo in the top left corner to go home. There is an overlay that comes up indicating what this will do.

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Main Page



Featured



Cookie

Pancake

Bacon & Pancake

[More Featured](#)

Recommended



Hawaiian Pizza

Meat lovers pizza

Cheese Pizza

[More Recommended](#)

This is the main page of the website. It features the top navigation bar which is present throughout the entire website. The “Featured” section shows the user popular dishes on the website and the “Recommended” section shows the user dishes that they may like based on past interactions with the website

Hover over recipe card:

The screenshot shows a user interface for a recipe website. At the top, there is a navigation bar with a logo, 'Categories', 'Bookmarks', 'Profile', and a 'Search' input field. Below the navigation, there are two sections: 'Featured' and 'Recommended'.
Featured: This section contains three cards. The first card is for a 'Cookie', showing a stack of cookies with a rating of ★★★★ (12 reviews), a prep time of 15 minutes, and a cook time of 15 minutes. The second card is for a 'Pancake', showing a stack of pancakes topped with fruit and syrup. The third card is for a 'Bacon & Pancake', showing a stack of pancakes topped with bacon and powdered sugar. Each card has a 'More' button at the bottom right.
Recommended: This section contains three cards for different pizzas. The first card is for a 'Hawaiian Pizza', showing a pizza with ham and pineapple. The second card is for a 'Meat lovers pizza', showing a pizza with various meat toppings. The third card is for a 'Cheese Pizza', showing a simple cheese pizza. Each card has a 'More' button at the bottom right.
At the bottom left of the page, there is a link 'More Recommended'.

Hovering over each card reveals its average rating, prep time and cook time.

Click on kebab menu button

The screenshot shows a user interface for a food-related website. At the top, there is a navigation bar with a logo, 'Categories', 'Bookmarks', 'Profile', and a 'Search' input field. Below the navigation, there are two sections: 'Featured' and 'Recommended'.
Featured: This section displays a 'Cookie' dish with a rating of ★★★★ (12 reviews), prep time of 15 minutes, and cook time of 15 minutes. It includes a small menu with options: 'Recommend more like this', 'Recommended less like this', and 'Bookmark'. Below the cookie information are images of 'Pancake' and 'Bacon & Pancake' dishes, each with a three-dot menu icon.
Recommended: This section displays three pizza options: 'Hawaiian Pizza', 'Meat lovers pizza', and 'Cheese Pizza', each with a three-dot menu icon. At the bottom of the recommended section is a link: 'More Recommended'.
A horizontal line separates the main content from the footer.

Clicking on the “kebab” menu on the bottom right of each icon shows a menu which allows the user to tell the website to recommend similar dishes more or less or to bookmark this dish.

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Click on Categories tab

The screenshot shows a web interface for a recipe website. At the top, there's a navigation bar with links for 'Categories' (with a dropdown arrow), 'Bookmarks', and 'Profile'. On the left, there's a circular logo with the text 'THE BAKING RECIPE' and a small illustration of a mixing bowl. Below the navigation, there are category links: 'Breakfast', 'Lunch', 'Dinner', and 'All Categories'. To the right of the navigation is a search bar with the placeholder 'Search'. The main content area is divided into two sections: 'Featured' and 'Recommended'. The 'Featured' section contains three items: 'Cookie' (an image of a chocolate chip cookie), 'Pancake' (an image of a stack of pancakes with syrup and fruit), and 'Bacon & Pancake' (an image of a stack of pancakes topped with bacon). Each item has a label below it and a vertical ellipsis icon to its right. A link 'More Featured' is located just below the first item. The 'Recommended' section contains three items: 'Hawaiian Pizza' (an image of a pizza with pineapple and pepperoni), 'Meat lovers pizza' (an image of a pizza with various meat toppings), and 'Cheese Pizza' (an image of a plain cheese pizza). Each item has a label below it and a vertical ellipsis icon to its right.

Recipe Page - This page displays all the elements we found through our task descriptions: Ingredients, Servings, “Go to” shortcuts, rating, cook time, difficulty, instructions, ability to rate, bookmark, media displaying recipe, and recommendations. Also added was the ability to maximize the instructions to view on one page.

THE BAKING BEEHIVE • THE BAKING BEHIVE

Bookmarks Login/Signup Search

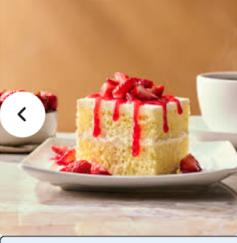
Ingredients

Servings: 1 ▾

- 1/2 cup (1 stick) unsalted butter, room temperature
- 1 1/2 cups all-purpose flour (spooned and leveled)
- 2 teaspoons baking powder
- 1/2 cup sugar
- 1/2 teaspoon salt
- 2 large eggs plus 2 large egg yolks
- 1/2 teaspoon pure vanilla extract
- 1/2 cup whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1 1/2 cups heavy cream
- 1 teaspoon unflavored gelatin

[Go to Top](#) [Go to Reviews](#)

X **Strawberry Cream Cake** ★★★★☆ (4/5)





Cook Time: 35 minutes Difficulty: Medium (6/10) [i](#) [n](#) [Bookmark](#)

Instructions (3/12)

3. 

Add in the eggs one at a time. Then mix in two teaspoons of vanilla and almond extract. Put this bowl aside.

< LAST **NEXT** >

Similar Dishes



Chocolate Brownie Lasagna



Tiramisu



Strawberry Cheesecake

When you click on dislike, you can give a more specific reason to make your search results more accurate.

THE BAKING BEEHIVE • THE BAKING BEHIVE

Bookmarks Login/Signup Search

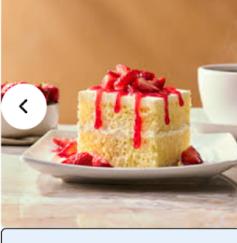
Ingredients

Servings: 1 ▾

- 1/2 cup (1 stick) unsalted butter, room temperature
- 1 1/2 cups all-purpose flour (spooned and leveled)
- 2 teaspoons baking powder
- 1/2 cup sugar
- 1/2 teaspoon salt
- 2 large eggs plus 2 large egg yolks
- 1/2 teaspoon pure vanilla extract
- 1/2 cup whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1 1/2 cups heavy cream
- 1 teaspoon unflavored gelatin

[Go to Top](#) [Go to Reviews](#)

X **Strawberry Cream Cake** ★★★★☆ (4/5)





Cook Time: 35 minutes Difficulty: Medium (6/10) [i](#) [n](#) [Bookmark](#)

Instructions (3/12)

3. 

Add in the eggs one at a time. Then mix in two teaspoons of vanilla and almond extract. Put this bowl aside.

< LAST **NEXT** >

▼

▼

▼

▼

▼

▼

Similar Dishes



Chocolate Brownie Lasagna



Tiramisu



Strawberry Cheesecake

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Hovering over a dish shows its rating and cook time.

The screenshot shows a recipe card for 'Strawberry Cream Cake'. At the top left is a logo for 'THE BAKING BETTER'. To the right are links for 'Bookmarks' and 'Login/Signup', and a search bar. The main content area has a title 'Strawberry Cream Cake' with a star rating of '★★★★★ (4/5)'. Below the title is a photo of the cake. To the left is a sidebar for 'Ingredients' showing a dropdown for 'Servings' set to '1'. The ingredients list includes: 1/2 cup (1 stick) unsalted butter, room temperature; 1 1/2 cups all-purpose flour (spooned and leveled); 2 teaspoons baking powder; 1/2 cup sugar; 1/2 teaspoon salt; 2 large eggs plus 2 large egg yolks; 1/2 teaspoon pure vanilla extract; 1/2 cup whole milk; 1 pound strawberries, hulled and thinly sliced; 1 1/2 cups heavy cream; and 1 teaspoon unflavored gelatin. Below the ingredients are links 'Go to Top' and 'Go to Reviews'. To the right of the main content are 'Similar Dishes' for 'Chocolate Brownie Lasagna' and 'Tiramisu', each with a thumbnail and name. At the bottom right is a summary box for 'Strawberry Cheesecake' with a rating of '4.8/5', 'Cook Time: 35 mins', and a thumbnail.

Ingredient Scaling Tool to adjust the number of portions you want to cook.

Ingredient proportions will readjust accordingly.

This screenshot is identical to the first one, but the 'Servings' dropdown is now open, showing a list from 1 to 10. The selected value is '4'. The rest of the page content, including the recipe details, similar dishes, and summary box, remains the same.

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When you scroll down the page, you will access the reviews section. You can either leave a review or like/dislike other users' reviews.

The screenshot shows a recipe page for a strawberry cream cake. On the left, there's a sidebar with 'Ingredients' and a dropdown for 'Servings'. The main area has a 'Write a Review' form with a 5-star rating and a text input field. Below it, a list of 17 comments is displayed, each with a user name, date, and interaction buttons. To the right, there's a 'Similar Dishes' section with cards for 'Red Velvet Cake', 'Carrot Cake', and 'Strawberry Cheesecake', each with a thumbnail image.

Write a Review	
<input type="button" value="Post"/>	
<input type="text" value="Write your review here..."/>	
Viewing 4 of 17 comments	
Sort By: <input type="button" value="Highest to Lowest"/>	
<p>★★★★★ 3/9/22 Scott Peters I love strawberry cream cake Like Dislike Reply</p> <p>★★★★★ 3/8/22 Asim Syed My new favorite dessert Like Dislike Reply</p> <p>★★★★★ 3/7/22 Asim Syed I love strawberry cream cake Like Dislike Reply</p> <p>★★★★★ 3/6/22 Scott Peters My new favorite dessert Like Dislike Reply</p>	

Filtering Ratings/Reviews

This screenshot is similar to the previous one, but a 'Sort By' dropdown menu is open over the comment list. The options are 'Highest to Lowest' (which is checked), 'Lowest to Highest', 'Popular Reviews', and 'Most Recent'.

Write a Review	
<input type="button" value="Post"/>	
<input type="text" value="Write your review here..."/>	
Viewing 4 of 17 comments	
Sort By: <input checked="" type="button" value="Highest to Lowest"/> <input type="button" value="Lowest to Highest"/> <input type="button" value="Popular Reviews"/> <input type="button" value="Most Recent"/>	
<p>★★★★★ 3/9/22 Scott Peters I love strawberry cream cake Like Dislike Reply</p> <p>★★★★★ 3/8/22 Asim Syed My new favorite dessert Like Dislike Reply</p> <p>★★★★★ 3/7/22 Asim Syed I love strawberry cream cake Like Dislike Reply</p> <p>★★★★★ 3/6/22 Scott Peters My new favorite dessert Like Dislike Reply</p>	

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Search for pancakes. This same page is used for viewing categories, featured and recommended only title will be different

The screenshot shows a search interface for 'pancakes'. At the top right is a search bar containing 'pancakes'. Below it, the text 'search for "pancakes"' is displayed. On the left, there are several filter options: 'Profiles: No filters' (with a dropdown arrow), 'Minimum difficulty' (radio button selected), 'Maximum difficulty' (radio button unselected), 'Reviews:' (checkboxes for 4 star to 5 star, 3 star to 4 star, 2 star to 3 star, and 1 star to 2 star, all checked), and 'Dietary Restrictions:' (checkboxes for Vegan, Vegetarian, Gluten-free, No pork, and No beef, none checked). In the center, there are two images of pancakes: 'Pancake' and 'Bacon Pancake'. To the right, a 'Sort by: Latest' dropdown is shown.

Multiple Filtering profiles so users can save settings

This screenshot is similar to the first one but includes a dropdown menu for 'Profiles' on the left. The 'No filters' option is highlighted. Other options in the dropdown are 'Profile 1', 'Profile 2', and 'Profile 3'. The rest of the interface is identical to the first screenshot, including the search bar, filter sections, and the two pancake images in the center.

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Dietary Restrictions:

A screenshot of a web application interface for searching recipes. At the top, there's a navigation bar with icons for 'Categories', 'Bookmarks', and 'Profile'. A search bar on the right contains the text 'pancakes'. Below the search bar, the text 'search for "pancakes"' is displayed. On the left, there are several filter options: 'Profiles: Profile 1' with a dropdown arrow, 'Minimum difficulty' and 'Maximum difficulty' sliders, 'Reviews:' with checkboxes for 4 star to 5 star, 3 star to 4 star, 2 star to 3 star, and 1 star to 2 star, and 'Dietary Restrictions:' with checkboxes for Vegan, Vegetarian, Gluten-free, No pork, and No beef. A 'Save Changes & Apply' button is at the bottom of these filters. In the center, there's a thumbnail image of a stack of pancakes with fruit and syrup, labeled 'Pancake'. At the top right, there's a 'Sort by: Latest' dropdown.

Bookmarks page has extra search function

A screenshot of the 'Bookmarks' page. At the top, it features the same navigation bar as the previous screen. The main content area is titled 'Bookmarks'. It includes a 'Search in bookmarks' input field. Below the search field, there are filters identical to the previous screen: 'Profiles: No filters' with a dropdown arrow, 'Minimum difficulty' and 'Maximum difficulty' sliders, 'Reviews:' with checkboxes for 4 star to 5 star, 3 star to 4 star, 2 star to 3 star, and 1 star to 2 star, and 'Dietary Restrictions:' with checkboxes for Vegan, Vegetarian, Gluten-free, No pork, and No beef. In the center, there are three thumbnail images of pizzas: 'Hawaiian Pizza', 'Meat lovers pizza', and 'Cheese Pizza'. At the top right, there's a 'Sort by: Latest' dropdown.

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Part II: Final Design, Implementation, Evaluation, and Rationale

Part II Grading Page

Scott Peters scpeters@ucalgary.ca, Alisha Lalani alisha.lalani@ucalgary.ca, Htet Myet Aung Naing htetmyetaung.naing@ucalgary.ca, Dilpreet Sandhu, dilpreet.sandhu1@ucalgary.ca, Asim Syed asim.syed@ucalgary.ca

6. Project Grading Guidelines

Students _____

Names _____

Emails _____

Note: These are just guidelines detailing "convenience" checkpoints. Getting many satisfactory checks does not necessarily indicate a good project (or vice versa).

Completeness of Project	Missing	Incomplete portions	Satisfactory
Original submission for the first assignment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Part I, A2: Redesign writeup: Screens & redesign rationale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Part II, A2: Heuristic evaluation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Part II, A2: Redesign rationale & final design critique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Working end of term demo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All team members completed all weekly 'Most Valuable Team Member' surveys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
To portfolio final due date			
Horizontal prototype			
Quality and completeness of the redesign rationale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Screen snaps/final design rationale	Poor	Ok	Great
Fixes major flaws in horizontal prototype	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Good rationale behind design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design critique indicate major problems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design critique indicates how these problems may be solved.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your Heuristic Evaluation	Poor	Okay	Great
Problems categorized by heuristics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Major problems detected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Severity ratings are reasonable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Main points of the evaluation are summarized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back to Tab Sophistication and quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Poor	Okay	Great
Completed system			
Depth of interface shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Breadth of interface shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-interface aspects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Graphical design	Poor	Okay	Great
Visual appearance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sensibility of layouts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evaluating the project	Poor	Okay	Great
Simple and natural dialog	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speaks the users language	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minimizes memory load	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consistent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides feedback	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clearly marked exits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shortcuts for experts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User error handling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides relevant help	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical aspects	Major problems	Adequate	
Robust/bulletproof	<input type="checkbox"/>	<input type="checkbox"/>	
Final video figure and project demonstration	Unacceptable	Adequate	
Gave a good feel of system?	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
Overall impression	Poor	Okay	Great
Final design	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design evolution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Portfolio	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heuristic evaluation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Implementation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final demo and video figure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

II.I: Vertical Prototype and Final Implementation

Home Page

The screenshot displays the homepage of a food recipe website. At the top, there is a navigation bar with a logo, 'Categories', 'Bookmarks', 'Profile', and a 'Search' input field. Below the navigation bar, there are two main sections of horizontally scrollable cards:

- Featured:** This section contains five cards, each with a thumbnail image, a category name, and social sharing icons.
 - Cookie
 - Pancake
 - Bacon & Pancake
 - Hawaiian Pizza
 - Meat Lovers
- Recommended:** This section contains five cards, each with a thumbnail image, a category name, and social sharing icons.
 - Hawaiian Pizza
 - Meat Lovers
 - Chees
 - Cookie
 - Pancake

Below these sections, there is a continuation indicator 'Continued...' followed by another set of cards:

- Continued...**
- Recommended:** This section contains five cards, each with a thumbnail image, a category name, and social sharing icons.
 - Hawaiian Pizza
 - Meat Lovers
 - Chees
 - Cookie
 - Pancake

This is the homepage that the website loads up to. There are two sets of horizontally scrollable cards, featured and recommended.

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Card Actions



Pancake



Bacon & Pancake



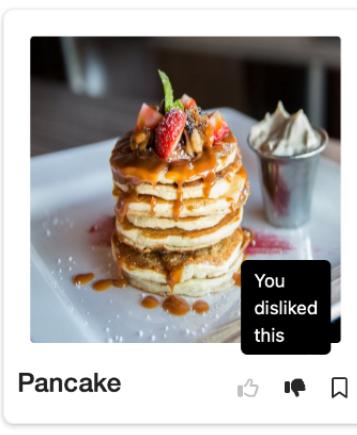
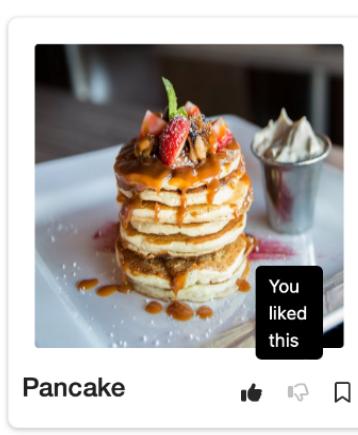
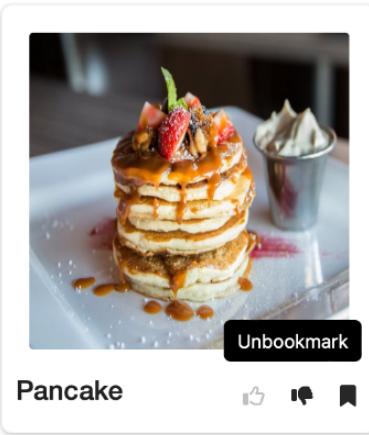
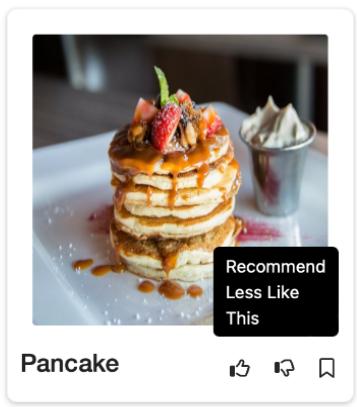
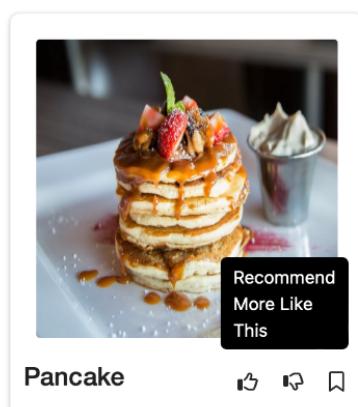
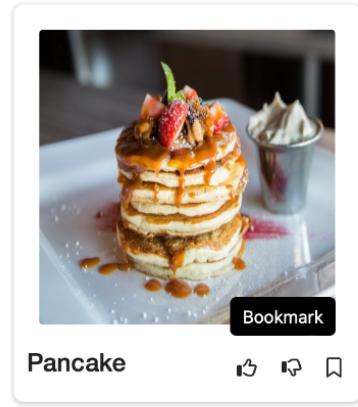
Pancake



Bacon & Pancake

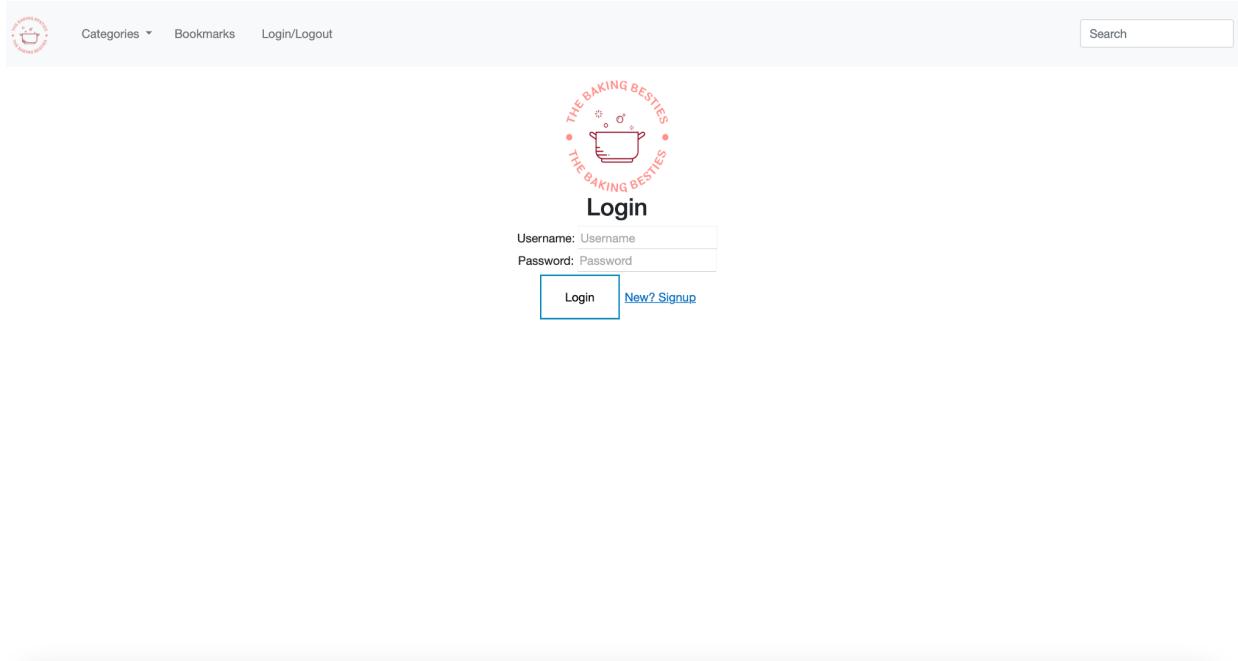


You can like or dislike a recipe and bookmark it. You can also undo the like, dislike or bookmark. Liking a recipe disables the dislike option and vice versa. Clicking on any of the options makes the icon solid to confirm action. Hovering over a card brings up more information on the recipe. Clicking on the image redirects you to the recipe page.

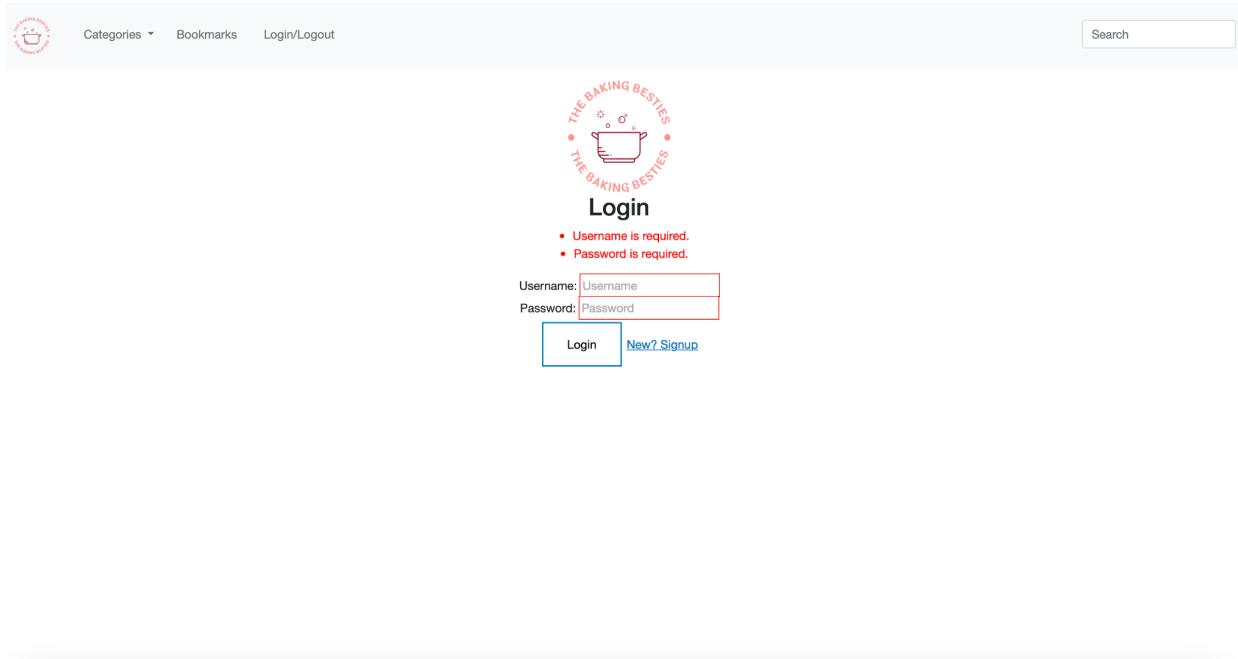


Hovering over the buttons on a card provides the user with more information. This information also changes as actions are made.

Login Page



When clicking the login/signup button in the nav bar, you are greeted with this screen. You can login from here, or click the signup button if you don't have an account.



These are the error messages if you don't have anything in the text boxes and you try to login.

Signup Screen

The screenshot shows the 'Signup' page of a website. At the top, there is a navigation bar with links for 'Categories', 'Bookmarks', 'Login/Logout', and a search bar. Below the navigation is a circular logo for 'THE BAKING BESTIES' featuring a cupcake icon. The main title 'Signup' is centered above a form. The form contains four input fields: 'Username', 'Email', 'Password', and 'Re-enter Password'. Below the form are two buttons: 'Register' and 'Back to Login'.

Username:	Username
Email:	email@email.com
Password:	Password
Re-enter Password:	Password

[Register](#) [Back to Login](#)

This is the screen you are greeted by if you click New? Signup. You are brought back to login if you click register.

The screenshot shows the 'Signup' page with validation errors. The error message at the top states: '• Username is required. • Password is required. • Password is required. • Email is required.' Below the error message, the input fields for 'Username', 'Email', 'Password', and 'Re-enter Password' are shown, each with a red border indicating they are invalid. The 'Register' and 'Back to Login' buttons are at the bottom.

Username:	Username
Email:	email@email.com
Password:	Password
Re-enter Password:	Password

[Register](#) [Back to Login](#)

These are the errors if you try to register without one of the text boxes filled in (each error is associated with each individual text box, they all don't show up at once).

The screenshot shows the 'Signup' page of a website called 'THE BAKING BESTIES'. The header includes a logo with a cupcake, 'Categories', 'Bookmarks', 'Login/Logout', and a 'Search' bar. The main content area has a red circular logo at the top. Below it is the word 'Signup'. A red error message 'Invalid email.' is displayed above the 'Email:' field. The form fields are: 'Username: test', 'Email: test@', 'Password:', and 'Re-enter Password:'. At the bottom are 'Register' and 'Back to Login' buttons.

This shows the error associated with not using the correct email layout.

The screenshot shows the 'Signup' page of 'THE BAKING BESTIES'. The header and main content area are identical to the first screenshot. The red circular logo is at the top. Below it is the word 'Signup'. A red error message 'Passwords need to be the same.' is displayed above the 'Re-enter Password:' field. The form fields are: 'Username: test', 'Email: test@', 'Password:', and 'Re-enter Password:'. At the bottom are 'Register' and 'Back to Login' buttons.

This error comes up if you do not use the same password in both cases.

Profile Page

The screenshot shows a user profile for 'BakingBestie123'. At the top, there's a navigation bar with icons for Categories, Bookmarks, and Profile, and a search bar. Below the navigation is a large, light-gray placeholder for a profile photo. To the right of the photo, the username 'BakingBestie123' is displayed. Underneath the username, account statistics are shown: Account Created: 03/12/2023, Number of reviews: 6, and Average Review Score: 4.3. Below these details is a section titled 'Edit Photo:' with a 'Default' button and a small camera icon. The main content area is titled '6 Reviews' and includes two review cards. The first review is from 2023-04-17, rated 5 stars, with the comment 'Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!' and a rating of 9. The second review is from 2022-03-27, rated 5 stars, with the comment 'Delicious!' and a rating of 2. A 'Sort by: Latest' dropdown is visible on the right side of the reviews.

You are greeted by this page if you login correctly. You can see all your reviews that you can sort, as well as edit your photo. Notice the dynamic navigation bar that changes the login button to “Profile”.

This screenshot shows the same profile page for 'BakingBestie123', but with a different profile photo. The new photo is a cartoon illustration of a chef wearing a tall toque, holding a wooden spoon, and wearing a bow tie. The rest of the page layout is identical to the first screenshot, including the navigation bar, account stats, edit photo section, and review cards.

You can edit your photo on this page if you want to.

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<p>6 Reviews</p> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>★★★★★</p> <p>2023-04-16</p> <p>Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!</p> <p>9</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>★★★★★</p> <p>2022-03-27</p> <p>Delicious!</p> <p>2</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>★★★★★</p> <p>2020-08-04</p> <p>Could be better.</p> <p>0</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>★★★★★</p> <p>2023-04-16</p> <p>This dish is the perfect balance of healthy and delicious. Try substituting table salt with Himalayan pink salt. Highly recommend!</p> <p>12</p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p>★★★★★</p> <p>2022-02-15</p> </div>	<p>Sort by: Latest </p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

Scrolling down reveals the rest of your reviews.

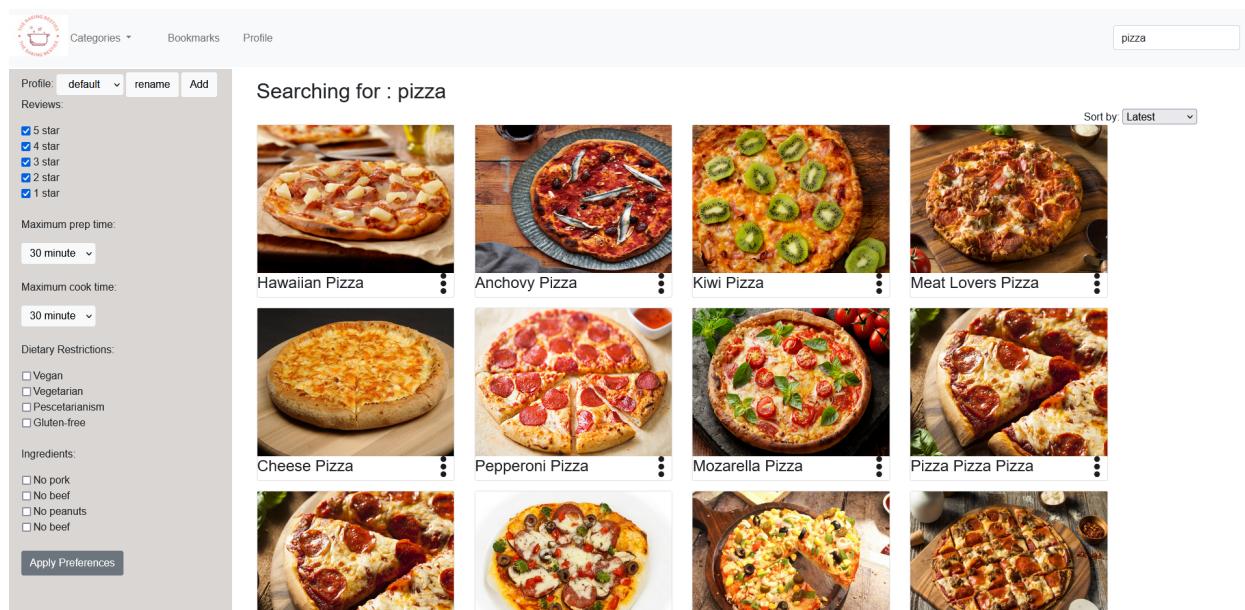
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>★★★★★</p> <p>2023-04-16</p> <p>This dish is the perfect balance of healthy and delicious. Try substituting table salt with Himalayan pink salt. Highly recommend!</p> <p>12</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>★★★★★</p> <p>2023-04-16</p> <p>Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!</p> <p>9</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>★★★★★</p> <p>2022-03-01</p> <p>Love the bold spices in this dish. A new favorite!</p> <p>8</p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p>★★★★★</p> <p>2022-02-15</p> <p>Great flavors, but a bit time-consuming to make. Worth the effort though!</p> <p>6</p> </div>	<p>Sort by: <input checked="" type="checkbox"/> Latest <input type="checkbox"/> Rating-High <input type="checkbox"/> Rating-Low <input type="checkbox"/> Most Helpful </p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

You can sort by latest, Rating-High, Rating-Low, or Most Helpful. Latest is simply the date you posted, then Highest or Lowest rating of the review, and Most Helpful sorts by the amount of likes received.

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Searching

When you enter a search query (such as “pizza” in the screenshots below), you are taken to this page where you can sort, and filter through the search results. You can save your filter settings for later use, to speed up the process of finding dishes you may like. The filter options include the cook time, prep time, excluded ingredients, rating, and ingredients to include when searching. While browsing through search results, users can either like, dislike or bookmark recipes.



You can save your filter settings by using the profiles located on the top of the filter section.

To apply saved filter settings, choose your profile from the Profile Dropdown on the top left of the screen

Users can create new profiles with different filter settings. Additionally, you can rename pre existing profiles.

Adding a new profile called ‘new’:

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Searching for : pizza

Here is the ‘New’ profile once added

Searching for : pizza

Renaming existing profiles: Select the profile you want to rename, Click ‘Rename’ and type the value.

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The screenshot shows a user interface for searching recipes. On the left, there is a sidebar with various filter options:

- Reviews:** Includes checkboxes for 5 star, 4 star, 3 star, 2 star, and 1 star.
- Maximum prep time:** A dropdown menu showing "5 minute".
- Maximum cook time:** A dropdown menu showing "10 minute".
- Dietary Restrictions:** Includes checkboxes for Vegan, Vegetarian, Pescetarianism, and Gluten-free.
- Ingredients:** Includes checkboxes for No pork, No beef, and No peanuts.

At the bottom of the sidebar is a "Apply Preferences" button and a URL link: <http://secalosost.com/recipes>.

The main area is titled "Searching for : pizza" and displays ten pizza recipes in a grid:

- Hawaiian Pizza
- Anchovy Pizza
- Kiwi Pizza
- Meat Lovers Pizza
- Cheese Pizza
- Pepperoni Pizza
- Mozarella Pizza
- Pizza Pizza
- DJK Pizza
- Veggie Pizza

Each recipe card includes a small image, the name, and some social sharing icons. The "Kiwi Pizza" card has additional details: "Prep Time: 15 minutes", "Cook Time: 15 minutes", and "Rating: ★★★★☆ (12 reviews)".

A "Sort by" dropdown menu at the top right is set to "Latest".

More filter options when search results appear. You can sort the results by highest rating, lowest rating, and most recently posted recipes

This screenshot is similar to the first one, but the "Sort by" dropdown menu is open, showing three options: "Latest", "Rating-High", and "Rating-Low".

The rest of the interface and the search results are identical to the first screenshot.

Hovering over a dish gives you more information about it, such as the prep time, cook time, and its rating

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The screenshot shows a user interface for searching recipes. On the left, there is a sidebar with various filters: Reviews (5 star, 4 star, 3 star, 2 star, 1 star checked), Maximum prep time (5 minute), Maximum cook time (10 minute), Dietary Restrictions (Vegan, Vegetarian, Pescatarianism checked, Gluten-free), and Ingredients (No pork, No beef, No peanuts). A 'Sort by' dropdown is set to 'Latest'. The main area displays a grid of pizza images with their names and a 'Remove' button below each:

- Hawaiian Pizza
- Anchovy Pizza
- Kiwi Pizza
- Meat Lovers Pizza
- Cheese Pizza
- Pepperoni Pizza
- Mozarella Pizza
- Pizza Pizza
- DJK Pizza
- Veggie Pizza

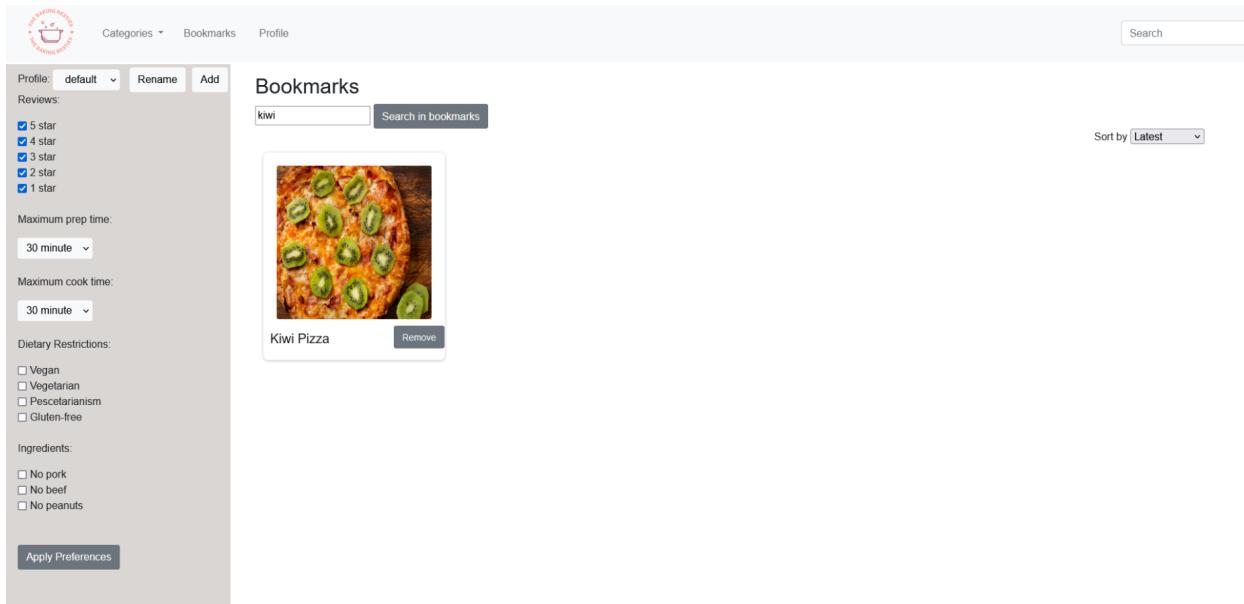
By clicking 'Bookmarks' in the top left, you can view all recipes you bookmarked. Added was the functionality to remove bookmarks.

This screenshot shows the 'Bookmarks' section of the application. The sidebar includes the same filters as the search interface. The main area displays a grid of bookmarked recipes with their names and a 'Remove' button below each:

- Strawberry cake
- Cheesy Pizza
- Meat Lovers Pizza
- Kiwi Pizza
- Cookie
- Veggie Pizza
- Bacon & Pancake

You can also search through your bookmarks which is a useful tool as the number of bookmarks increases, to help easily find the recipe you're looking for. To search, type the dish you are looking for in the search bar under the 'Bookmarks' label.

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Recipe Page

When clicking on a dish, you are presented with this screen which shows all information about a dish such as its name, difficulty, cook time, ratings, instructions, ingredients.

The main features are being able to view ingredients as well as instructions comfortably on one page. If users wish to simplify their screen, they can do so by minimizing the 'Similar Dishes' section while seeing the rest of the information. Users can also decide whether they would like to see one instruction at once, or all together through the 'Maximize Instructions' button. The current one shown is one instruction at a time, and by using the next/previous buttons can navigate between steps. Users can scroll through images of the dish, and 3 are shown at a time for simplicity. Hovering over the similar dishes allows you to view more information.

The BAKING RECIPE
BY THE BAKING SOURCE

Bookmarks Login/Signup Search

Ingredients

Servings: 1 ▾

- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#) [Go to Reviews](#)

Strawberry Cream Cake 5/5 (53) ★★★★★



Cook Time: 35 minutes Difficulty: Medium (6/10) Like Print Bookmark

Instructions (2/9)

2.  Step 2: Cream butter and sugar together until light and fluffy.

< PREVIOUS > NEXT

Similar Dishes X-ALL


Chocolate Brownie Lasagna


Tiramisu

Click on 'Next' to view next instruction

The BAKING RECIPE
BY THE BAKING SOURCE

Bookmarks Login/Signup Search

Ingredients

Servings: 1 ▾

- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#) [Go to Reviews](#)

Strawberry Cream Cake 5/5 (53) ★★★★★



Cook Time: 35 minutes Difficulty: Medium (6/10) Like Print Bookmark

Instructions (2/9)

2.  Step 2: Cream butter and sugar together until light and fluffy.

< PREVIOUS > NEXT

Similar Dishes X-ALL


Chocolate Brownie Lasagna


Tiramisu

Click on 'Previous' to view the instruction you just read

Back to [Table Of Contents](#)

 Bookmarks Login/Signup Search

Ingredients

Servings: 1 ▾

- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#) [Go to Reviews](#)

Strawberry Cream Cake 5/5 (53) ★★★★★



Cook Time: 35 minutes Difficulty: Medium (6/10) Like Dislike Bookmark

Instructions (1/9)

1. 

Step 1: Preheat oven to 350°F.

< PREVIOUS NEXT >

Similar Dishes X-ALL



Chocolate Brownie Lasagna



Tiramisu

Hover over similar dishes: You can like, dislike or bookmark a dish. You can also view more information about the dish such as its rating and cook time. Users can scroll through the similar dishes section, as it is fixed in size and stays in place.

 Bookmarks Login/Signup Search

Ingredients

Servings: 1 ▾

- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#) [Go to Reviews](#)

Strawberry Cream Cake 5/5 (53) ★★★★★



Cook Time: 35 minutes Difficulty: Medium (6/10) Like Dislike Bookmark

Instructions (2/9)

2. 

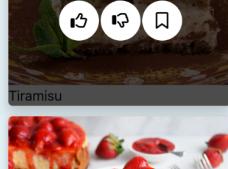
Step 2: Cream butter and sugar together until light and fluffy.

< PREVIOUS NEXT >

Similar Dishes X-ALL



Chocolate Brownie Lasagna



4.1/5
Cook Time: 40 mins
Like Dislike Bookmark

Tiramisu

Click on X-All - collapses the similar dishes section to minimize potential clutter for users who are just focused on the current dish. By clicking 'Similar Dishes', the 'Similar Dishes' section will reappear on the side as shown previously.

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Bookmarks Login/Signup

Search

Ingredients

Servings: 1 ▾

- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#)
[Go to Reviews](#)

Strawberry Cream Cake

5/5 (53) ★★★★★

[Similar Dishes >](#)



Cook Time: 35 minutes

Difficulty: Medium (6/10)



[Bookmark](#)

Instructions (1/9)



[Maximize Instructions](#)

1.

Step 1: Preheat oven to 350°F.

[◀ PREVIOUS](#)

[NEXT ▶](#)

Mid-scroll through images for main dish display



Bookmarks Login/Signup

Search

Ingredients

Servings: 1 ▾

- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#)
[Go to Reviews](#)

Strawberry Cream Cake

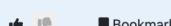
5/5 (53) ★★★★★

[Similar Dishes X-ALL](#)



Cook Time: 35 minutes

Difficulty: Medium (6/10)



[Bookmark](#)

Instructions (2/9)



[Maximize Instructions](#)

2.

Step 2: Cream butter and sugar together until light and fluffy.

[◀ PREVIOUS](#)

[NEXT ▶](#)

[Similar Dishes X-ALL](#)



Chocolate Brownie Lasagna



Tiramisu



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Click on Maximize Instructions to view all instructions at once, as well as all ingredients.

The screenshot shows a recipe card for 'Strawberry Cream Cake'. At the top left is a logo for 'THE BAKING RECIPE COOKING RECIPES'. To its right are links for 'Bookmarks' and 'Login/Signup'. On the far right is a search bar with the placeholder 'Search'. Below the header, there are three main sections: 'Ingredients' on the left, 'Instructions for Strawberry Cream Cake' in the center, and 'Similar Dishes' on the right.

Ingredients:

- Servings: 1
- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#)

[Go to Reviews](#)

Instructions for Strawberry Cream Cake:

Exit Cooking Mode

Step 1: Preheat oven to 350°F.
 Step 2: Cream butter and sugar together until light and fluffy.
 Step 3: Add eggs one at a time, beating well after each addition.
 Step 4: Sift flour, baking powder, and salt together in a separate bowl.
 Step 5: Gradually stir the dry ingredients into the creamed mixture.
 Step 6: Fold in chopped nuts and chocolate chips.
 Step 7: Drop tablespoons of dough onto a baking sheet.
 Step 8: Bake for 12-15 minutes or until golden brown.
 Step 9: Cool on a wire rack before serving.

Similar Dishes X-ALL:

- Chocolate Brownie Lasagna
- Tiramisu

Clicking dislike button- option for user feedback. The similar dishes will be updated accordingly

The screenshot shows the same recipe card for 'Strawberry Cream Cake'. A context menu is open over the 'Similar Dishes' section, listing options: 'Other', 'Taste', 'Too Difficult', and 'Missing Ingredients'. The rest of the page content is identical to the first screenshot.

Ingredients:

- Servings: 1
- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#)

<https://localhost:7018/DislikeRefreshFeed>

Strawberry Cream Cake 5/5 (53) ★★★★★

Cook Time: 35 minutes Difficulty: Medium (6/10) [Like](#) [Print](#) [Bookmark](#)

Instructions (1/9)

1. Step 1: Preheat oven to 350°

Similar Dishes X-ALL:

- Chocolate Brownie Lasagna
- Tiramisu

Updated Similar Dishes, personalized for the user

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[Bookmarks](#) [Login/Signup](#)

Ingredients

Servings: 1 ▾

- 1/2 cup unsalted butter, room temperature
- 2 cups all-purpose flour (spooned and leveled)
- 2 tsp baking powder
- 3/4 cups sugar
- 1/2 tsp salt
- 2 large eggs plus 2 large egg yolks
- 1/2 tsp pure vanilla extract
- 1/2 cups whole milk
- 1 pound strawberries, hulled and thinly sliced
- 1/2 cups heavy cream
- 1 tsp unflavored gelatin

[Go to Top](#) [Go to Reviews](#)

Strawberry Cream Cake

5/5 (53) ★★★★★

Cook Time: 35 minutes Difficulty: Medium (6/10) [Bookmark](#)

Instructions (1/9)

1. Step 1: Preheat oven to 350°F.

[Maximize Instructions](#)

[PREVIOUS](#) [NEXT](#)

Similar Dishes X-ALL

[Ice Cream Cake](#)

[Chocolate Cake](#)

Scroll to reviews

1 TSP Unflavored Gelatin

[Go to Top](#) [Go to Reviews](#)

Step 1: Preheat oven to 350°F.

[PREVIOUS](#) [NEXT](#)

Write a Review

★★★★★

Write your review here...

[Post Review](#)

13 Reviews Sort by: [Latest](#) ▾

★★★★★ 2023-04-17

CoolBakerPerson
Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!

9

★★★★★ 2022-03-27

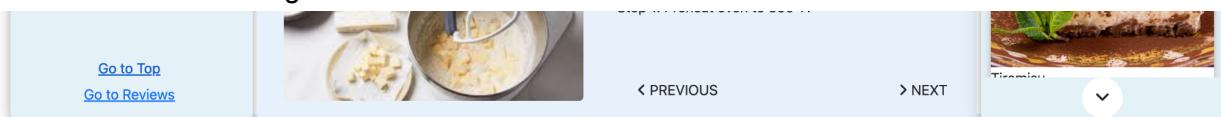
JesusIsKing1965

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13 Reviews		Sort by: Latest
★★★★★		2023-04-17
CoolBakerPerson	Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!	9
★★★★★		2022-03-27
JesusIsKing1965	Delicious!	2
★★★★★		2020-08-04
EmoLvrB0y420	Could be better.	0
★★★★★		2023-04-17
FitnessFanatic84 https://localhost:7018/StrangerProfile		

Leaving a review: select the star rating and the stars you select will be highlighted in pink. Beneath is a text field to leave the actual review. Once you are finished with the review, Click 'Post Review' located underneath the text field to post your review for public visibility. You can also like other users' reviews on the dish.

1. Select star rating



The screenshot shows a review interface. At the top left are links "Go to Top" and "Go to Reviews". In the center is a large image of a dish being prepared. Below the image are navigation arrows for "PREVIOUS" and "NEXT". On the right side, there is a smaller image of a dessert with a "Tiramisu" label. A "Write a Review" button is at the top, followed by a 5-star rating with the first star highlighted in pink. A text input field contains placeholder text "Write your review here...". A red "Post Review" button is at the bottom. At the very bottom, there is a footer bar with "13 Reviews" and a "Sort by: Latest" dropdown.

13 Reviews

Sort by: Latest

★★★★★

CoolBakerPerson

Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!

9

<https://localhost:7018/#>

2. Leave review

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The screenshot shows a review page for a dish. At the top left are links "Go to Top" and "Go to Reviews". To the right is a thumbnail image of the dish. Below the header are navigation arrows for "PREVIOUS" and "NEXT". A dropdown menu is open on the right side.

Write a Review

★★★★★

This is my review

Post Review

13 Reviews

Sort by: Latest

★★★★★ 2023-04-17
CoolBakerPerson
Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!
 9

★★★★★ 2022-03-27
JesusIsKing1965
Delicious!

3. Click 'Post Review' to post the review. The review is posted at the top, since the current filter settings are for 'Latest' as in the most recently posted reviews.

The screenshot shows a review page for a dish. At the top left are links "Go to Top" and "Go to Reviews". To the right is a thumbnail image of the dish. Below the header are navigation arrows for "PREVIOUS" and "NEXT". A dropdown menu is open on the right side.

Write a Review

★★★★★

Write your review here...

Post Review

14 Reviews

Sort by: Latest

★★★★★ 2023-04-17
BakingBestie123
This is my review
 0

★★★★★ 2023-04-17
CoolBakerPerson
Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!
 9

★★★★★ 2022-03-27

Filtering Reviews: You can sort the reviews by 4 categories by selecting an option from the 'Sort by' dropdown. The 4 categories are highest rated, lowest rated, most helpful and most recent. The reviews will be sorted accordingly

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Write a Review

★★★★★

Write your review here...

Post Review

14 Reviews

Sort by: **Latest**
Rating-High
Rating-Low
Most Helpful

★★★★★
BakingBestie123
This is my review
0

★★★★★
CoolBakerPerson
Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!
9

★★★★★
2022-03-27

Liking a review: click on the thumbs up button posted on the right side of the review you wish to like. Before, the BakingBestie123 review had 0 likes, but after clicking the thumbs up, it has been incremented to 1.

Write a Review

★★★★★

Write your review here...

Post Review

14 Reviews

Sort by: **Latest**

★★★★★
BakingBestie123
This is my review
1

★★★★★
2023-04-17

★★★★★
CoolBakerPerson
Easy, quick to make dish with easy to find ingredients. Great dish for adults and kids!
9

★★★★★
2023-04-17

★★★★★
2022-03-27

★★★★★
JesusIsKing1965

II.II: Heuristic Evaluation

Main Findings

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- Not being able to logout is not a big issue now, but as the scale of our website grows this would be a much bigger issue. Would be good to fix it early before scaling up the website.
- No contact page to help users when they encounter an issue. Providing a contact page might alleviate concerns and improve user experience.

Name	Heuristic violated	Description	Suggested fix	Rating
Scott	1	Edit Photo on profile page doesn't exactly tell the user what needs to be done to edit the photo- ie do you need to hit save somewhere, does it automatically save the change.	Maybe instead of a dropdown allow the user to upload a photo themselves, and have a save button so they know the change saved.	2
Scott	3	No logout button once logged in	Add a logout button	2
Scott	4	'Signup' page button to confirm signup says register	Change title of page to 'Register' or change name of button to 'Signup'.	1
Scott	10	In the signup page, there are two password text boxes, however if you don't enter a password in either of them two identical errors show up (password is required)	Change the second error message to be something like 'Must re-enter password'	1
Scott	9	Boxes in login/signup page don't turn red to show what box the error is in	Edit the box to appear red when there is an error	1

Name	Heuristic violated	Description	Suggested fix	Rating
Asim-1	6	Liking a review doesn't change the buttons color to indicate that the review has been liked	Once a review has been liked change the thumbs up button to green, and back to normal when unliked	1
Asim-2	5	Leaving a review doesn't require rating it	Have the rating be a requirement before submitting the review	2
Asim-3	7	After selecting a sorting option, when you leave a new review it shows up at the top and not in the	Have the new reviews be sorted in the right place instead of at the top if the sorting option is	2

		position where it should be for the sorting option, so user has to sort for that option again causing inefficiency	not 'latest'	
Asim-4	3	No feature to edit a review after it has been submitted	Have the option to edit a review after submission	2

Name	Heuristic violated	Description	Suggested fix	Rating
Dilpreet	1	Search field does not reset when you go back after search	Have search field reset after page change other than search page	2
Dilpreet	6	Hovering over image on card doesn't explicitly indicate you can click on it	Add tutorial so users know the cards are clickable	2
Dilpreet	3	Bookmark removing doesn't allow undo if user removes it by mistake	Add undo button for bookmark removal	2
Dilpreet	7	Clicking another navigation bar item after clicking categories does not make the drop down disappear	Make dropdown disappear after clicking elsewhere on page	1

Name	Heuristic violated	Description	Suggested fix	Rating
Alisha	2	Exit cooking mode ambiguity	Change label or add description to show what cooking mode is vs regular	1
Alisha	7	Placement of 'Go to Reviews' 'Go to Top' button does not make sense in our updated design	Add a link to go to top in the review section	2
Alisha	1	Color of dislike button on Recipe page could be confusing to users as it looks like they have disliked it	Match the color of the like button on the recipe page.	1
Alisha	6	No functionality to scale ingredients	Add functionality to scale ingredients	3

Name	Heuristic violated	Description	Suggested fix	Rating
Ted	4	Additional filter outside of filter section	Move filter inside filter section	1
Ted	3	No option to Add/Remove included or excluded ingredients	Add options to do so	2
Ted	4	Prep time and cook time specified in browsing page but not recipe page	Add both the prep and cook time, as well as a total time when a dish is selected	3

II.III: Design Rationale and Discussion

Design Principles

One of the key design principles for the cooking instructor application was simplicity, but not at the cost of efficiency and productivity. The target audience for the application consists of people who are likely to be busy with work or study and may not have a lot of spare time or energy to devote to cooking. Therefore, it was important to design an application that was simple and easy to use, but also efficient and productive in helping users learn to cook recipes. Thus, by keeping this user-centered principle in mind, our interface needed to be designed in a manner so as to keep the needs and preferences of the users in mind. This involved gathering user feedback to understand the user's needs and goals and incorporating it into the interface.

Interface Design

To achieve these principles, the interface is designed in a clean and minimalist user interface that prioritizes ease of use and accessibility. The homepage prominently displays a selection of featured recipes, providing users with a range of options to choose from. To further enhance the user experience, the website includes functionality for users to provide feedback on the featured recipes, specifying whether they are of interest or not, and indicating whether they would like to see more or less like them. The website also includes a recommended section, where users can find recipes that align with their preferences based on their feedback. By incorporating these features, the website provides users with a personalized selection of recipes that are tailored to their individual tastes, making it easier for them to find recipes without having to scroll through irrelevant options. Additionally, recipe cards on the website feature a hover effect that displays more detailed information about the dish, such as its rating, cook time, and prep time, providing users with quick access to important information that can aid them in their recipe selection, and avoiding information overload. The hover effect allows the website to display relevant information without cluttering the interface, resulting in a streamlined user experience.

The cooking instruction website also features several functionalities that enable users to save time and narrow down their recipe options. For instance, users can utilize the category feature, which allows them to filter recipes based on the type of dish, cuisine, or ingredient, further refining their selection. Additionally, a search bar allows users to search for specific recipes or

browse recipes based on a general dish type. The filter option provides even greater control over recipe selection, enabling users to choose ratings and specify dietary restrictions or preferences, such as vegetarian or gluten-free. To further enhance efficiency, the website allows users to create filter profiles, saving filter types for future use and eliminating the need for repeated specification. These features contribute to the overall simplicity and productivity of the interface, enabling users to quickly find recipes that align with their preferences and dietary needs.

In addition to the aforementioned features, the cooking instructor also includes a bookmarks functionality, enabling users to bookmark recipes of interest and access them later in the dedicated bookmark section. This feature contributes to user productivity by providing them with a convenient way to organize their recipe selections, and allowing them to easily revisit their favorite dishes. Thereby, reducing the time spent searching for a recipe that they have previously enjoyed.

The quick links feature also contributes to easy navigation throughout the cooking instructor application. By providing direct links to specific sections of the website, users can quickly access information without having to navigate through several pages or menus. This approach reduces user effort and makes it easier for users to find what they are looking for, improving the overall user experience. Additionally, easy navigation is critical for a cooking instructor application, as users often need to access specific recipe instructions or ingredient lists quickly. Therefore, the implementation of quick links alongside a fixed sidebar for ingredients, and expandable recipe instructions not only saves user time but also enhances the application's efficiency and productivity.

User Interaction

User interaction and accessibility were crucial considerations during the design of the cooking instructor. One way in which the interface emphasized usability was by allowing users to save and adapt their preferred settings and dietary restrictions. By offering personalized recipe recommendations and filtering options, users could tailor the app to their specific needs and preferences, which improved their overall experience. Additionally, the interface provides accessibility to a wide range of users with the help of a straightforward navigation structure and clear and legible text. By prioritizing user interaction and feedback, we were able to design an interface that met the unique needs and preferences of a diverse user base

Uniqueness of Design

Our cooking instructor application stands out from existing recipe apps due to its unique combination of features that cater to the needs and preferences of busy users. One of the unique features of our design is its focus on providing only the necessary information to users without overwhelming them with excessive text or discussions, such as the ability to hover over recipe cards to gain additional information. Existing recipe websites often require a significant time investment to search for and select a recipe that meets the user's needs and preferences. Our design addresses this issue by providing a range of features, such as quick links, filters, and bookmarks, that help users quickly narrow down their options and access the information they need. This approach streamlines the user experience and makes it more efficient and easy to navigate. Additionally, the use of user feedback through getting their preferences on recipes allows for a personalized and unique experience for each individual user, which sets our design apart from existing recipe websites.

Limitations and Future Improvements

Despite the strengths of our cooking instructor application, there are several limitations and opportunities for improvement that we have identified. One significant constraint is that the interface is primarily optimized for laptops and not as easily accessible on mobile devices. While the minimalist and simple design enhances usability and speed, the versatility and scalability of the interface cannot be similarly translated across different platforms. Additionally, the system currently lacks the ability to log out, which can pose a security risk for users sharing a device or using public computers. Another limitation is that the system does not scale ingredient measurements to update the units used, such as converting 2 tsp to 8 tsp instead of in tbsp, which can cause confusion for users, and contribute to the inconsistency within the interface. Also, the algorithm for personalized user recommendations could be improved. Looking forward, we plan to focus on fine-tuning the design for greater consistency across the interface, by improving and addressing additional user personalization. One such opportunity is exploring a feature that enables users to find recipe ingredients in grocery stores near them, providing additional convenience and enhancing the user experience.