

Software Requirements Specification (SRS) Document

Recipeasy

05/14/2024

Version 1

Sam Aguilar, Matthew Burden, Sadie
Korzekwa

❖ Project General Description

The goal of the Recipeasy web application is to enable users to easily find new recipes to recreate by searching for a specific recipe or search by ingredient(s). Recipeasy will also allow amateur and professional chefs alike to post their favorite recipes and get feedback from other users. In addition, we will have curated recipes for users to choose from.

❖ Product Features

Recipeasy is designed to be an all-in-one solution for people who want to share their passion for cooking or become inspired by new food and flavors. Below are the key features that will describe what Recipeasy is all about:

Recipe Creation and Sharing: Verified users will be able to create custom recipes. These will be posted to the site for users to see, comment, and potentially save to their favorites.

Recipe Search: Users will be able to search for their favorite recipes or even find some they've never heard of before. The two main ways to search will be by recipe names and by ingredient.

User Profile and Favorite Recipes: Users will be able to create a profile allowing them to specify their favorite types of food which will affect what curated recipes they see. They will also be able to add recipes to their favorites to save them for later.

❖ Functional Requirements:

- F0. The app will allow users to create an account
- F1. Users can add preferences to their profile
- F2. Users can see recipes based on the preferences
- F3. Users can search for recipes by name or ingredient
- F4. Users can add recipes to their favorites and view/edit them
- F5. Users can comment under recipes
- F6. Users can report recipes/comments
- F7. The app will allow creators to make an account
- F8. Creators can post their own customer recipes
- F9. Creators can see statistics for their posted recipes
- F10. Creators can reply to comments under their recipes
- F11. Admins can see statistics for the app
- F12. Admins can handle reported recipes/comments
- F13. Admins can see and remove user/creator profiles

❖ Non-functional Requirements:

- NFR0: Recipes on the user's dashboard should be loaded within 3 seconds of the user logging in.
- NFR1: A user's information (email and password) shall remain private and inaccessible to other users.
- NFR2: The user's favorites page shall generate a maximum of 20 recipe cards per page to speed up the loading time. To access the additional recipe cards, the user must click to the next page.
- NFR3: The creator must be prompted to confirm after deleting content to avoid errors.
- NFR4: After posting a new recipe, the creator should be able to find their new recipe in their "my content" page within 30 seconds of posting.
- NFR5: The creator's "my content" page shall generate a maximum of 20 recipe cards per page to speed up the loading time. To access the additional recipe cards, the creator must click to the next page.
- NFR6: The admin should be able to access reported comments within 10 seconds.
- NFR7: The admin's Reports page shall generate a maximum of 10 reports per page to shorten loading times. To access the additional reports, the admin must click to the next page.
- NFR8: the statistics page shall be updated by the system within a minute.

❖ Scenarios:

➤ User *Sam Aguilar*

▪ **User creates their profile**

- **Initial Assumption:** The user does not have a profile yet and wants to make one
- **Normal:** The user goes through the process of creating their profile including adding their name and preferences.
- **What can go wrong:**
 - ◆ The user does not complete the entire process
 - ◆ The user does not input the intended username or password.
- **Other activities:** N/A
- **System state of completion:** The user has completed creating their profile and can now login

▪ **User views and saves a recipe from the search list.**

- **Initial Assumption:** The user has decided to find a recipe by looking it up through the search bar. The user has decided on their search terms and has entered them into the search bar.
- **Normal:** The user is presented with various recipes matching or relating to their search terms. The user then finds the recipe of their choice and clicks on the recipe card. The recipe with full details is loaded on the screen. The user may look at the recipe information and comments. The user may additionally press the favorites button, which saves the recipe to the user's favorites page.
- **What can go wrong:**
 - ◆ The user's search terms are too specific or there are no related recipes on the website. The user will be informed that there is no content related to their search terms.
- **Other activities:** On the recipe page, the user may create a comment to be left for the creator.
- **System state of completion:** The recipe has been saved to the user's favorites, which the user may access on their favorites page.

▪ **User leaves a comment on a recipe**

- **Initial Assumption:** The user is logged in and wants to leave a comment on the recipe.
- **Normal:** The user presses the new comment button, and a free text box appears. The user enters the comment they wish to make and hits the submit button.
- **What can go wrong:** The user may not be logged in. The app should prompt the user to sign in before they can comment.
- **Other activities:** The user may log in via the login link.
- **System state of completion:** The user's page should update to reflect the comment they have made on the recipe.

➤ Creator *Matthew Burden*

▪ **The creator wants to edit their account**

- **Initial Assumption:** The creator is logged in and wishes to edit their account in some way. They are currently on their own profile page.
- **Normal:** The creator first hits the “edit profile” button on their profile. Multiple options are available, including “create recipe”, “change password”, and “delete account”.
 - ◆ If the creator selects “create recipe”, the website loads the new recipe page.
 - ◆ If the creator selects “change password”, the creator is asked to confirm their current password before entering a new password.
 - ◆ If the creator selects “delete account”, they are asked to confirm that they wish to delete their account. They are informed that account deletion is permanent.
- **What can go wrong:** The creator may accidentally hit any of the above options. To cancel these actions, the creator must hit “cancel”.
- **Other activities:** N/A
- **System state of completion:** The creator has changed their account information as they have liked.

▪ **Creator views their recipe statistics**

- **Initial Assumption:** The creator is currently logged into their account and wants to view their statistics regarding one of their recipes. They are currently on their dashboard.
- **Normal:** The creator goes to their “my recipes” page and selects the recipe they wish to view the stats on. The recipe page displays the total number of saves their recipe has received since it was created, as well as how many saves have been made in the past 24 hours.
- **What can go wrong:** The recipe has received no saves. In this case, the save count is displayed as “0”.
- **Other activities:** On the recipe page, the creator may also view any comments and reply to the comments.
- **System state of completion:** The creator has accessed their recipe page statistics.

▪ **Creator replies to a comment**

- **Initial Assumption:** A creator has posted a recipe, and another user has posted a comment on the page.
- **Normal:** The creator goes to the comment in question and hits the reply button. A free text box appears, and the creator types their response and enters.
- **What can go wrong:** The creator may receive an inappropriate comment on their recipe. The creator should report this issue to the admins.
- **Other activities:** The creator may hit the report button to notify the admins of an issue.
- **System state of completion:** The creator's page should refresh to reflect the reply they have submitted.

➤ Admin *Sadie Korzekwa*

▪ **Admin deletes an account**

- **Initial Assumption:** There is an account that requires permanent deletion following a report regarding a recipe or a comment. The admin is currently on the report page involving the unacceptable content.
- **Normal:** On the report page, the admin clicks on the “ban user” button. The page then loads a selection of bannable offense categories that the admin must select their reasoning for the ban. The admin must then hit the “submit” button to enact the ban
- **What can go wrong:** The admin may make a mistake and hit the “ban user” button. When the reasoning input screen appears, there is a “cancel ban” button that will cancel the ban process.
- **Other activities:** The admin may wish to review the recipe or comments involved in the reports beyond just the reported materials. On the reports page, the admin may click on a link to the full recipe page.
- **System state of completion:** The system confirms that the user has been banned and that their account has been permanently deleted.

▪ **Admin deletes comment/post**

- **Initial Assumption:** an Administrator is logged into their account and is on their reports page. They wish to review the reported comments or recipes and delete them.
- **Normal:** The admin hits the specific report, where the original comment and the reason for the report are listed. The admin hits the remove button, which leads to a prompt confirming the intended deletion. After hitting confirm, the comment or post is deleted.
- **What can go wrong:** The admin may make a mistake and attempt to delete a comment accidentally. After the admin hits the first delete button, they will be asked to confirm. At this point, the admin should hit the cancel button.

- **Other activities:** The admin may also ban the user who made the unacceptable comment by pressing the “ban user” button.
- **System state of completion:** The report is marked completed on the report page, and the comment is deleted.

▪ **Admin views site statistics**

- **Initial Assumption:** An admin is logged in and on their dashboard. They wish to view the site statistics.
- **Normal:** The admin navigates to the statistics panel, where they are presented with different categories of statistics. They will be able to select from “Log in Count”, “Stats by Recipe”, and “Stats by Creator”.
 - If the admin selects “Log in Count”, they will be presented with a count of users and creators that are logged in at a certain time.
 - If the admin selects “Stats by Recipe”, they will be prompted to search for a recipe. Upon selecting the recipe, the admin will have access to the total number of favorites the recipe has, the total number of comments, and the number of saves made in the past 24 hours.
 - If the admin selects “Stats by Creator”, they will be prompted to search for a creator. Upon selecting the correct creator account, the admin will have access to the total number of favorites the creator has over all of their recipes, the number of replies the creator has made on their recipes, and the total number of saves their recipes have received in the past 24 hours.
- **What can go wrong:** The admin searches for a recipe or creator account that does not exist at the time. In this case, the search results should inform the admin that the search terms have not yielded results.
- **Other activities:** The admin may refresh the stats page they are on, updating the values.
- **System state of completion:** The admin has reviewed the site stats and may return to the dashboard.