

CSE 115A – Introduction to Software Engineering

Release Summary:

Product Name: DishDelish

Team Members: Audrey Ostrom , Alyssa Yee , Maina Dhar , Janvi Rochlani,
Annika Gupta , Alisha Saboowala

Date: March 4, 2024

Key User Stories and Acceptance Criteria:

- **User story 1.1 “Login”:** As a frequent user of this app, I need to be able to have a way to sign-in so that I can view recipes I’ve done before and liked.
 - Criterion Statement (Given When Then): Given a user is on any page of the application, when the user clicks the profile icon, then the user should be prompted to enter their username and password.
 - Acceptance Criteria:
 - The app should provide a visible Profile Icon on all screens of the application.
 - Upon selecting the Profile Icon, the app should display a screen with input fields for the user's username/email and password.
 - The app should validate the entered credentials against the stored user data.
 - If the credentials are correct, the app should allow the user access to their recipes.
 - If the credentials are incorrect, the app should display an error message indicating invalid credentials.
 - The app should provide a "Sign Up" option for users who do not have an account.
 - After successful sign-in, the app should navigate the user to a screen displaying their previously viewed and liked recipes.
 - The app should provide an option for users to log out of their account.
- **User story 1.2 “Ingredient Inputs”:** As someone who’s strapped for time, I need access to be able to input ingredients I have on hand so that I can get recipes that I currently cook without needing to run to the store.
 - Criterion Statement (Given When Then): Given the user is on the app's landing page, when the user selects the "Grab Your Ingredients" option, then the user should be presented with a screen to enter their available ingredients.
 - Acceptance Criteria:

- The app should feature a prominently displayed "Get to Cooking" option on the home screen.
 - Upon selecting "Grab Your Ingredients," the app should navigate the user to a screen with input fields for entering their available ingredients.
 - The input screen should provide a user-friendly interface for users to add and remove ingredients.
 - Users should be able to input ingredients manually by typing and using the search bar.
 - The app should provide autocomplete suggestions or ingredient lists to facilitate faster input.
 - After entering the ingredients, the app should provide a "Search" button to proceed to recipe recommendations.
- **User story 1.3 “Interface”:** As an interested user of this app, I need to have a user-friendly interface so that I can interact with the many features offered in this application.
 - Criterion Statement (Given When Then): Given the user opens the application, when the user interacts with the interface, then the user should find it intuitive, visually appealing, and easy to navigate.
 - Acceptance Criteria:
 - The app should have a clean and modern design that aligns with current design standards.
 - All essential features and options should be easily accessible from the main screen or through intuitive navigation.
 - The app's layout should be responsive, adapting to different screen sizes and orientations.
 - Interactive elements, such as buttons and menus, should be clearly labeled and visually distinct.
 - Text should be legible, with appropriate font sizes and contrast for readability.
 - The app should utilize visual cues, such as icons and color coding, to aid user understanding and navigation.
 - Navigation within the app should be consistent across different screens and sections.
 - The interface should prioritize user tasks and minimize unnecessary steps or distractions.
- **User story 2.1 “Getting Recipes”:** As an indecisive, financially-minded college student, I want to be able to find relevant recipes so that I can utilize the ingredients I already have in my household.
 - Criterion Statement (Given When Then): Given the user wants to find recipes that utilize ingredients in their pantry, when the user inputs their ingredients in the

application, then the user should be able to find a list of recipes that match the ingredients provided.

- Acceptance Criteria:
 - The user should be able to search for ingredients from our ingredient database by scrolling or typing in the searchable dropdown component.
 - Ingredients listed by the user should be able to be deselected.
 - The submit button should function and capture all the ingredients listed by the user. The button should direct to a new page called “search-results.”
 - The application should call the Spoonacular API to get recipes with the grabbed ingredients as input.
 - The “search-results” page should only show recipes that match the provided ingredients.
 - The user should be able to click on recipe cards and view more information about the recipe.
 - The recipe card should display the ingredients required, preparation time, and instructions.
- **User story 2.2 “Filtering Recipes”:** As someone who has dietary limitations, I want to be able to filter search results based on allergies, dietary restrictions, cuisine preferences, and time so that I can make recipes that suit my personal needs.
 - Criterion Statement (Given When Then): Given the user wants to find recipes that meet specific criteria such as diet or cuisine, when the user selects items using the filter component in the application, then the user should be able to find a filtered list of recipes that match their needs.
 - Acceptance Criteria:
 - The filter button should appear on the “search-results” page above the recipe cards.
 - When the filter button is clicked, the user should be redirected to the “dietary” page
 - The filter page should contain various categories such as diet, cuisine, and preferences.
 - The user should be able to click on as many filters as desired.
 - The user should be able to click the search button on the “dietary” page and it should redirect the user back to the recipe page but now the recipes are filtered based on user preferences.
 - The search bar on the “dietary” page should allow the user to easily search their preferences and the dropdown menu should allow the user to select a particular category of filters.
- **User story 2.3 “User Flow Schema Integration”:** As someone who would like to frequently use this application, I would like to create a user profile and view my saved recipes so that I can easily access my user information and favorites.

- Criterion Statement (Given When Then): Given the user is a frequent user of the application, when the user revisits the website, then the user should be able to find their saved ingredients, favorite recipes, and user information
- Acceptance Criteria:
 - On the “menu” page, there should be a button for accessing saved ingredients.
 - When the “Saved Ingredients” button is clicked, the user should be redirected to the login page.
 - The user should be able to sign up on the profile page with a new username and password (and confirm password).
 - If the user has already created an account, the user should be able to log in with their existing credentials.
 - The user should be able to view their profile information, favorite recipes, and saved ingredients after logging in.
 - The database should contain the following information for the user schema: username, password, saved ingredients, and favorite recipes.

Known Problems:

- We did not discover any major bugs.
- We took out certain dietary restrictions like “Grains” and “Sulfite” because we needed to change API request endpoints and the new endpoint didn’t support all the intolerances we initially listed.
- Sometimes Spoonacular sends back recipe data that are not individual recipes but rather, a list of recipes that is a link (ex. “How to Slow Cooker: 30 Recipes for You”).

Product Backlog:

- **User story 3.2 “Sorting Recipes”:** As someone who has ingredients that’ll go bad really quickly, I would like to have a way to prioritize ingredients that use those recipes.
- **User story 4.1 “Scanning Receipts”:** As someone who just went grocery shopping and wants to try a recipe, I want to be able to scan my receipts for recipe lookups.
- **User story 4.2 “Ingredient Marketplace”:** As someone who doesn’t have enough time to use an ingredient before it goes bad, I want to be able to give away ingredients so that others can use them.