

Phase 2 Chef.AI

Test Plan

Test by Team 29

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Identification and classification	Test Case 001 - Login into Chef.AI using Google credentials. System: Chef.AI Severity: Workaround
Instructions	<ul style="list-style-type: none">At login page, click on sign up button
Expected result	<ul style="list-style-type: none">The "Sign in" button would guide you through signing in with your google account with the help of a pop-up window."ingredients" page of the app will appear.A message "welcome <username>" should appear on the right of top navigation bar.

Identification and classification	Test Case 002 - Access the website as a guest System: Chef.AI Severity: Workaround
Instructions	<ul style="list-style-type: none">At login page, click on "log in" button
Expected result	<ul style="list-style-type: none">The "Log in" button enables you to

	<p>login as a guest without the need for you to log into your google account.</p> <ul style="list-style-type: none"> • "ingredients" page of the app will appear. • A message "welcome guest" should appear on the right of top navigation bar.
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Identification and classification	<p>Test Case 003 - See the list of all recipes</p> <p>System: Chef.AI</p> <p>Severity: Critical</p>
Instructions	<ul style="list-style-type: none"> • Click "All Recipes" button from the navigation bar
Expected result	<ul style="list-style-type: none"> • All the recipes should be shown up on the "All Recipes" page interface. Each page should display 10 recipes.

Identification and classification	<p>Test Case 004 - See the pictures of respective ingredients on the recipe page</p> <p>System: Chef.AI</p> <p>Severity: Workaround</p>
Instructions	<ul style="list-style-type: none"> • Go to recipe page, enter ingredients wants to be included and/or excluded in/from your recipe. • Click "Toggle ML Generated Recipe" on/off • Click "Submit Ingredients"
Expected result	<ul style="list-style-type: none"> • "Pre-existing Recipe" or "ML

	Generated Recipe” Page should be shown up on the interface with a list of components(ingredients, directions, nutrition information, etc.)
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Identification and classification	Test Case 005 - Sort the recipes based on calories (both ascending and descending) System: Chef.AI Severity: Important
Instructions	<ul style="list-style-type: none"> Click the “All Recipes” tab on the navigation bar. Click the calorie sort button Click the ascending/descending button Click the submit button
Expected result	<ul style="list-style-type: none"> A display of the sorted list (both ascending and descending) of recipes based on calorific value

Identification and classification	Test Case 006 - Sort the recipes based on proteins (both ascending and descending) System: Chef.AI Severity: Important
Instructions	<ul style="list-style-type: none"> Click the “All Recipes” tab on the navigation bar. Click the protein sort button Click the ascending/descending button

	<ul style="list-style-type: none"> Click the submit button
Expected result	<ul style="list-style-type: none"> A display of the sorted list (both ascending and descending) of recipes based on protein value

Identification and classification	<p>Test Case 007 - Sort the recipes based on sodium content (both ascending and descending)</p> <p>System: Chef.AI</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> Click the "All Recipes" tab on the navigation bar. Click the sodium sort button Click the ascending/descending button Click the submit button
Expected result	<ul style="list-style-type: none"> A display of the sorted list (both ascending and descending) of recipes based on sodium value

Identification and classification	<p>Test Case 008 - Sort the recipes based on fat content (both ascending and descending)</p> <p>System: Chef.AI</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> Click the "All Recipes" tab on the navigation bar Click the fat sort button Click the ascending/descending

	button <ul style="list-style-type: none"> Click the submit button
Expected result	<ul style="list-style-type: none"> A display of the sorted list (both ascending and descending) of recipes based on fat value

Identification and classification	Test Case 009 - Sort By and Order Drop-down menus retain their values after submitting and clicking previous and next button System: Chef.AI Severity: Important
Instructions	<ul style="list-style-type: none"> Click the "All Recipes" tab on the navigation bar Choose any combinations of sorting and ordering attributes. Click the submit button. Click next and previous after submitting.
Expected result	<ul style="list-style-type: none"> The values of sorting and ordering attributes should remain after submitting and after clicking next and previous buttons.

Identification and classification	Test Case 010 - See autofill while searching for ingredients System: Chef.AI Severity: Critical
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Instructions	<ul style="list-style-type: none"> • Go to the "Ingredients Page" • Enter the name in lowercase of a preexisting ingredient in the database in include and exclude autofill bars • Enter the name in uppercase of a preexisting ingredient in the database in include and exclude autofill bars • Enter the names in mixed case of a preexisting ingredient in the database in include and exclude autofill bars
Expected result	<ul style="list-style-type: none"> • The autofill keywords with a grey color should be shown up on the autofill bar.

Identification and classification	Test Case 011 - Delete selected ingredients System: Chef.AI Severity: Critical
Instructions	<ul style="list-style-type: none"> • Go to the "Ingredients Page" • Enter some ingredients in the autofill bars in both include and exclude autofill bars • Delete selected ingredients from the autofill bars
Expected result	<ul style="list-style-type: none"> • The selected ingredients should be deleted after either press backspace or the small 'x' button.

Identification and classification	Test Case 012 - Page number is shown on
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	<p>the All Recipes page</p> <p>System: Chef.AI</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> • Click the "All Recipes" tab on the navigation bar • Click next and previous buttons
Expected result	<ul style="list-style-type: none"> • The number on the right of All Recipes denotes the page number the user is on.

Identification and classification	<p>Test Case 013 - Select if I want preexisting or computer-generated recipes (can be toggled multiple times)</p> <p>System: Chef.AI</p> <p>Severity: Critical</p>
Instructions	<ul style="list-style-type: none"> • Click the "Home" tab on the navigation bar • Enter ingredients into the search bars • Click the pre-existing toggle button • Click the submit ingredients button • Click the back button • Click the computer generated toggle button • Click the submit ingredients button
Expected result	<ul style="list-style-type: none"> • The toggle button at the bottom can be used repeatedly to toggle the type of recipe that will be generated. It should display the correct type of recipe even after multiple toggles.

Identification and classification	<p>Test Case 014 - See the closest pre-existing recipe when I select that respective option</p> <p>System: Chef.AI</p> <p>Severity: Critical</p>
Instructions	<ul style="list-style-type: none"> • Click the "Home" tab on the navigation bar • Enter ingredients into the search bars • Click the pre-existing toggle button • Click the submit ingredients button
Expected result	<ul style="list-style-type: none"> • Display the closest recipe from data • The components to this are: <ul style="list-style-type: none"> • Ingredients chosen • the ingredients included in the recipe • The name and the picture of the recipe • Ingredients • Directions • Cooking Mode • Nutritional Information • Share

Identification and classification	<p>Test Case 015 - See the closest computer-generated recipe when I select that respective option</p> <p>System: Chef.AI</p> <p>Severity: Critical</p>
Instructions	<ul style="list-style-type: none"> • Click the "Home" tab on the navigation bar • Enter ingredients into the search bars • Click the computer generated toggle button

	<ul style="list-style-type: none"> Click submit ingredients button
Expected result	<ul style="list-style-type: none"> Display the closest recipe generated button by computer using ML algorithm The components to this are: <ul style="list-style-type: none"> Ingredients chosen Ingredients included in the recipe Ingredients Directions The nutrition information: protein, sodium, calories, fat values are not displayed in ML generated recipes.

Identification and classification	<p>Test Case 016 - Use a navigation menu to change between different sections of the app</p> <p>System: Chef.AI</p> <p>Severity: Critical</p>
Instructions	<ul style="list-style-type: none"> Click on Home button on navigation bar Click on All Recipes button on navigation bar Click on Team button on navigation bar Click on Sign out button on navigation bar
Expected result	<ul style="list-style-type: none"> The correct interface should be changed to different sections of the app based on which navigation menu button you clicked

	<ul style="list-style-type: none"> • After clicking home, main page (ingredient page) with two autofill bars should be shown. • After clicking All Recipes, a list of recipes should be shown. • After clicking Team, information about the development team behind the product should be shown. • After clicking Sign out button, user will be signed out of google credentials and will be taken back to the login page.
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Identification and classification	Test Case 017 - Share recipes System: Chef.AI Severity: Important
Instructions	<ul style="list-style-type: none"> • Go to the "pre-existing" and "ML generated" recipe page • Click on the share button under "Share this Recipe!" section
Expected result	<ul style="list-style-type: none"> • The interface should output the correct instruction to share on different types of social media.

Identification and classification	Test Case 018 - Select a recipe and read it System: Chef.AI Severity: Critical
Instructions	<ul style="list-style-type: none"> • After logging in or signing in, click All

	<p>Recipes on the navigation bar.</p> <ul style="list-style-type: none"> Click into any recipe in the list.
Expected result	<ul style="list-style-type: none"> Users should be directed to the corresponding recipe page.

Identification and classification	<p>Test Case 019 - Switch to between reading and cooking mode</p> <p>System: Chef.AI</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> After logging in or signing in, click All Recipes on the navigation bar. Click into any recipe in the list. Click "Cooking Mode!" button under Directions section Click back on the browser to go back to the recipe page.
Expected result	<ul style="list-style-type: none"> Users should be directed to cooking mode after clicking Cooking Mode button. Users should be directed to receipt page after clicking back button on the browser.

Identification and classification	<p>Test Case 020 - Navigate through the list of recipes in "All Recipes" page</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> After logging in or signing in, click All

	<p>Recipes on the navigation bar.</p> <ul style="list-style-type: none"> • Click next and previous to navigate through the list • Click previous when the page is already at page1 • Click next when the page is already at the last page
Expected result	<ul style="list-style-type: none"> • Show corresponding pages after clicking next and previous button • If the recipes finish on both ends, it should display the same list of recipes.

Identification and classification	<p>Test Case 021 - Go to next or previous step inside cooking mode</p> <p>System: Chef.AI</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> • After logging in or signing in, click All Recipes on the navigation bar. • Click into any recipe in the list. • Click "Cooking Mode!" button under Directions section • Click previous and next to see respective steps.
Expected result	<ul style="list-style-type: none"> • Next would keep going to the next step until the final step comes as 'Ready!' on all the recipes, smaller and larger. • The first step would always be

	displayed on the page irrespective of the amount of times previous is clicked.
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Identification and classification	Test Case 022 - Go to home page after clicking the logo System: Chef.AI Severity: Workaround
Instructions	<ul style="list-style-type: none"> • After logging in or signing in, go to any pages other than home page. • Click Chef.AI logo on the navigation bar
Expected result	<ul style="list-style-type: none"> • Users should be redirect to the main page (ingredient page) with two autofill bars.

Identification and classification	Test Case 023 - Search recipe with correct number of ingredients to include System: Chef.AI Severity: Important
Instructions	<ul style="list-style-type: none"> • On the "ingredients page", enter 3 correct ingredients in the "ingredients to include" autofill bar, and 5 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button • On the "ingredients page", enter 6 correct ingredients in the "ingredients

	<p>to include" autofill bar, and 5 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button</p> <ul style="list-style-type: none"> On the "ingredients page", enter 10 correct ingredients in the "ingredients to include" autofill bar, and 5 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button
Expected result	<ul style="list-style-type: none"> It will successfully submit the ingredients for searching a recipe, and return the respective page (preexisting or ML generated) of result recipes.

Identification and classification	<p>Test Case 024 - Go to first page of recipes after clicking home button on "All Recipes" page</p> <p>System: Chef.AI</p> <p>Severity: Workaround</p>
Instructions	<ul style="list-style-type: none"> After logging in or signing in, click All Recipes on the navigation bar. Click next button Click home button icon beside "previous" and "next" button
Expected result	<ul style="list-style-type: none"> Users should be redirect to the first page and shows the list of recipes displayed (unless on the first page).

Identification and classification	<p>Test Case 025 - Search recipe with incorrect number of ingredients to include</p> <p>System: Chef.AI</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> • On the "ingredients page", enter 2 correct ingredients in the "ingredients to include" autofill bar, and 5 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button • On the "ingredients page", enter 0 correct ingredients in the "ingredients to include" autofill bar, and 5 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button • On the "ingredients page", enter 11 correct ingredients in the "ingredients to include" autofill bar, and 5 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button • On the "ingredients page", enter 15 correct ingredients in the "ingredients to include" autofill bar, and 5 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button
Expected result	<ul style="list-style-type: none"> • For less than 3 ingredients to include,

	<p>there will be an error message showing that the lower limit of 3 ingredients is not reached, and thus will not proceed to the recipe search</p> <ul style="list-style-type: none"> • For more than 10 ingredients to include, there will be an error message showing that the upper limit of 10 ingredients is exceeded, and thus will not proceed to the recipe search
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Identification and classification	<p>Test Case 026 - Search recipe with correct number of ingredients to exclude</p> <p>System: Chef.AI</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> • On the "ingredients page", enter 5 correct ingredients in the "ingredients to include" autofill bar, and 0 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button • On the "ingredients page", enter 5 correct ingredients in the "ingredients to include" autofill bar, and 6 ingredients in the "ingredients to exclude" autofill bar, and click "submit ingredients" button • On the "ingredients page", enter 5 correct ingredients in the "ingredients to include" autofill bar, and 10

	<p>ingredients in the “ingredients to exclude” autofill bar, and click “submit ingredients” button</p>
Expected result	<ul style="list-style-type: none"> It will successfully submit the ingredients for searching a recipe, and return the respective page (preexisting or ML generated) of result recipes.

Identification and classification	<p>Test Case 027 - Search recipe with incorrect number of ingredients to exclude</p> <p>System: Chef.AI</p> <p>Severity: Important</p>
Instructions	<ul style="list-style-type: none"> On the “ingredients page”, enter 5 correct ingredients in the “ingredients to include” autofill bar, and 11 ingredients in the “ingredients to exclude” autofill bar, and click “submit ingredients” button On the “ingredients page”, enter 5 correct ingredients in the “ingredients to include” autofill bar, and 15 ingredients in the “ingredients to exclude” autofill bar, and click “submit ingredients” button
Expected result	<ul style="list-style-type: none"> For more than 10 ingredients to exclude, there will be an error message showing that the upper limit of 10 ingredients is exceeded, and

	thus will not proceed to the recipe search
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Identification and classification	<p>Test Case 028 - Search for a combination of ingredients that does not have a recipe in the preexisting recipe database.</p> <p>System: Chef.AI</p> <p>Severity: Workaround</p>
Instructions	<ul style="list-style-type: none"> • In the home/ingredients page • Input "red wine", "yoghurt", "pork", "corn", "papaya" in the ingredients to include search bar • Input "lime", "oregano", "butter", "olive", "cinnamon" in the ingredients to exclude search bar
Expected result	<ul style="list-style-type: none"> • The user would be notified about it with an error message saying "No recipe found".