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| (**US001**) **-** As a cook I want the website to make suggestions to me so I can be introduced to new content. | | |
|  | Tests | Required result |
| 1.0 | * Resize screen   + Open dev tools with inspect   + Toggle device toolbar   + Use responsive to scale screen horizontally to minimum target | * Page reflows as expected without horizontal overflow. |
| Feature: Homepage shows latest recipes | | |
|  | Tests | Required result |
| 1.1.1 | * Open homepage | * Page renders correctly * The latest uploaded recipes are shown. |
| 1.1.2 | * Select recipe card | * Page links to correct recipe page |
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| (**US002**) - As a cook I want to see reviews and ratings from other users so I can select the best content. | | |
| Feature: Ratings are shown on the front page and with search results | | |
|  | Tests | Required result |
| 2.1.1 | * Open homepage | * Rating stars are correctly displayed in recipe card. |
| 2.1.2 | * Open Search page   + Select a cuisine icon or perform a search | * Rating stars are correctly displayed beneath search icons. |
| Feature: Recipe pages show a recipe's rating and comment list | | |
|  | Tests | Required result |
| 2.2.1 | * Open a recipe page | * Rating stars are correctly displayed in recipe header |
| 2.2.2 | * Open a recipe page   + Scroll to comment section | * Any comments are correctly displayed with comment text and author name. |
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| (**US003**) – As a cook I want to search recipes by name so that I can find specific dishes that I want to make. | | |
|  | Tests | Required result |
| 3.0.1 | * Open search page | * Cuisine icons are shown if no search has been performed. |
| 3.0.2 | * Resize screen   + Open dev tools with inspect   + Toggle device toolbar   + Use responsive to scale screen horizontally to minimum target | * Page content reflows correctly without horizontal overflow. |
| Feature: The basic search feature performs text searches on the name and description field | | |
|  | Tests | Required result |
| 3.1.1 | * Select search field   + Type a search string into the search field   + Hit the enter key | * The returned results conform to the search string. * If there are more than 10 results: results are paginated correctly and the pagination control appears. |
| 3.1.1 | * Select a result | * The correct recipe page is displayed. |
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| (**US004**) - As a cook I want to search recipes on cuisine type so that I can get dishes of a specific type I want to make.  (**US005**) - As a cook I want to be able to be able to filter recipes based on cooking time so I can get dishes I have time to prepare. | | |
|  | Tests | Required result |
| 4.0.1 | * Open search page   + Click “Advanced Search” | * Advanced Search options are displayed. * Search fields have default values. |
| 4.0.2 | * Resize screen   + Open dev tools with inspect   + Toggle device toolbar   + Use responsive to scale screen horizontally to minimum target | * Page content reflows correctly without horizontal overflow. |
| Feature: The advanced search feature performs searches on the cuisines field | | |
|  | Tests | Required result |
| 4.1.1 | * Select cuisines field   + Select a cuisine type   + Click Submit button | * Returned results all belong to the correct cuisine type. * If there are more than 10 results: results are paginated correctly and the pagination control appears. |
| Feature: The advanced search feature performs searches on the servings field | | |
|  | Tests | Required result |
| 5.1.1 | * Select servings field   + Set a servings number   + Click Submit button | * Only numbers can be entered. * Returned results all have the correct number of servings. * If there are more than 10 results: results are paginated correctly and the pagination control appears. |
| Feature: The advanced search feature performs searches on the time field | | |
|  | Tests | Required result |
| 5.2.1 | * Select time field   + Set hours in the dialog   + Set minutes in the dialog   + Click ok   + Click Submit button | * The time dialog is selected and allows the user to select minutes and hours. * When the time picker dialog is closed the field is set to the correct value. * Returned results all have a cooking time lower than or equal to the search query. * If there are more than 10 results: results are paginated correctly and the pagination control appears. |
| Feature: The advanced search feature performs searches on the rating field | | |
|  | Tests | Required result |
| 5.3.1 | * Select a star from the star ratings field   + Click Submit button | * The correct star is highlighted along with previous stars in the control. * Returned results all have a rating higher than or equal to the search query. * If there are more than 10 results: results are paginated correctly and the pagination control appears. |
| Feature: The advanced search feature performs searches on any combination of fields | | |
|  | Tests | Required result |
| 5.4.1 | * Fill out different combinations of search fields   + Click Submit button | * The search results conform to the combined search queries. * If there are more than 10 results: results are paginated correctly and the pagination control appears. |
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| (**US006**) - As a cook I want to save my favourite recipes so that I can quickly find them again in the future. | | |
| Feature: Recipes can be favourited with a heart icon on the recipe page. | | |
|  | Tests | Required result |
| 6.1.1 | * Log in to a user account * Open a recipe page   + Select the heart icon in the recipe header | * Heart icon appears in recipe page header only when a registered user is logged in. * Heart toggles filled/unfilled when selected. |
|  | * Open the user account’s profile page   + Click the username in the menu bar   + Select profile * Select the newly favourited recipe | * Recipe icon appears in user’s favourited list. * Recipe icon links back to recipe page. |
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| (**US007**) - As a recipe creator I want to upload my own recipes so that other users can benefit from them. | | |
|  | Tests | Required result |
| 7.0 | * Resize screen   + Open dev tools with inspect   + Toggle device toolbar   + Use responsive to scale screen horizontally to minimum target | * Page content reflows correctly without horizontal overflow. |
| Feature: Recipes can be added with the "add recipe" option on the main menu. | | |
|  | Tests | Required result |
| 7.1.1 | * Log in to a user account * Select “Add Recipe” from the menu bar | * Add Recipe option only appears when a registered user is logged in. * Add Recipe page is displayed. |
| 7.1.2 | * Click “upload image”   + Select an image file from the dialog | * Image upload dialog is displayed. * Image is uploaded. * Uploaded image appears in the Add recipe header. |
| 7.1.3 | * Add a recipe title | * Title can be filled out. |
| 7.1.4 | * Select the time field   + Select hours in time picker   + Select minutes in time picker   + Click “Ok” | * Time picker appears. * Hours and minutes can be selected. * Time is shown in the time field correctly. |
| 7.1.5 | * Select serving field   + Set a serving number | * Only numbers can be added. |
| 7.1.6 | * Select the cuisine type field   + Select a cuisine type | * Cuisine types are correctly shown in the dropdown. * The selected cuisine type appears in the field. |
| 7.1.7 | * Add a recipe description | * Description can be filled out. |
| 7.1.8 | * Click add ingredient button (+)   + Add ingredient to text field   + Repeat steps for each ingredient   + Click X button on an ingredient field | * A new field is added to the list. * Ingredient field can be filled out. * An unwanted field can be removed. |
| 7.1.9 | * Click add method step button (+)   + Add step to text field   + Repeat steps for each method step   + Click X button on a step field | * A new field is added to the list. * Step field can be filled out. * An unwanted field can be removed. |
| 7.1.10 | * Click “Submit” | * Form is submitted. * New recipe page is displayed. * Recipe information is correct. |
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| (**US008**) - As a recipe creator I want to gain feedback on my recipes so I can discover improvements. | | |
| Feature: The site allows users to comment on and rate recipes from the recipe page. | | |
|  | Tests | Required result |
| 8.1.1 | * Log in to a user account * Open a recipe page   + Scroll to comment section   + Type a comment into the comment field   + Click Submit | * Comment field is only displayed if a registered user is logged in. * Comment can be added. * Comment appears at the end of the comment list. |
| Feature: The site allows users to delete their own comments. | | |
|  | Tests | Required result |
| 8.2.1 | * Log in to a user account * Open a recipe page   + Scroll to comment section   + Click the delete button on the comment | * Comment delete button is only displayed if the current user is the author or admin. * The comment is removed from the list. |
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| (**US009**) - As a recipe creator I want to be able to edit a recipe I have posted so I can improve it. | | |
| Feature: The site allows the recipe author to edit the recipe from the recipe page | | |
|  | Tests | Required result |
| 9.1.1 | * Log in to a user account * Open a recipe page uploaded by the account   + Click the edit button | * Edit option is only displayed if the current user is admin or recipe author. * Edit recipe page is displayed. * Correct recipe information is added to the fields as pre-existing defaults. |
| 9.1.2 | * Edit fields   + Click the submit button | * Fields can be edited. * Recipe page is displayed with the new data. |
| The site allows the recipe author to delete the recipe from the recipe page. | | |
|  | Tests | Required result |
| 9.2.1 | * Log in to a user account * Open a recipe page uploaded by the account   + Click the delete button   + In the modal dialog select “NO”   + Click the delete button   + In the modal dialog select “YES” | * Delete option is only displayed if the current user is admin or recipe author. * Modal delete confirmation dialog is shown * Selecting “NO” cancels the deletion and returns to the recipe page. * Selecting “YES” deletes the recipe. |
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| (**US010**) - As a new user I want to be able to register with the site so that I can upload new recipes and track my favourites. | | |
|  | Tests | Required result |
| 10.0 | * Resize screen   + Open dev tools with inspect   + Toggle device toolbar   + Use responsive to scale screen horizontally to minimum target | * Page content reflows correctly without horizontal overflow. |
| Feature: New users can register on the site from the log on page. | | |
|  | Tests | Required result |
| 10.1.1 | * Open the login page   + Select “Register” in dialog box title | * Login page can only be shown if no user is logged in. * Login page is shown. * Register dialog is shown. * Dialog box is correctly sized and positioned. |
| 10.1.2 | * Select username   + Add an existing username   + Add a unique username | * Existing usernames are flagged as invalid. * Form can not be submitted with an invalid username. * Usernames not matching criteria are rejected. * New usernames matching criteria are accepted. |
| 10.1.3 | * Select password field   + Add an invalid password   + Add a valid password | * Invalid passwords set the field invalid. * Password field gives a hint for password requirements. * Form cannot be submitted with an invalid password. * Valid passwords are accepted. |
| 10.1.4 | * Select confirm password field   + Add a password that does not match the password field   + Add a matching password | * Non-matching passwords set the field invalid. * Confirm password field alerts the user. * Form cannot be submitted with a non-matching password. * Matching passwords are accepted. |
| 10.1.5 | * Submit form   + Click submit with invalid fields   + Click submit with only valid fields | * A form with invalid fields will not submit. * Invalid fields are flagged with error messages and hints. * Valid forms will submit. * A new user is added. |
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| (**US011**) - As a registered user I want to be able to log into my account so that I can access my recipes and favourites. | | |
| Feature: Registered users can log in to the site from the log on page. | | |
|  | Tests | Required result |
| 11.1.1 | * Open the login page | * Login page can only be shown if no user is logged in. * Login page is shown. * Login dialog is shown. * Dialog box is correctly sized and positioned. |
| 11.1.2 | * Select username   + Add invalid username   + Add valid username | * Usernames not matching criteria are set invalid. * Usernames matching criteria are set valid. |
| 11.1.3 | * Select password   + Add invalid password   + Add valid password | * Passwords not matching criteria are set invalid. * Passwords matching criteria are set valid. |
| 11.1.4 | * Click “Log In”   + Log in with invalid fields   + Log in with valid fields     - Log in with non-registered user     - Log in with registered user | * Forms with invalid fields are not submitted. * Invalid fields are flagged with warning hints. * Forms with valid fields are submitted. * Non-registered users or incorrect passwords redirect to login form with error message. * Registered users are logged in and redirected to the home page. |
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| (**US012**) - As an admin I want to be able to edit content to ensure it adheres to site rules. | | |
| Feature: The site allows admin users to edit any recipe from its page. | | |
|  | Tests | Required result |
| 12.1.1 | * Login as an administrator account * Open a recipe page uploaded by another user   + Click the edit button | * Edit option is shown in recipe header. * Edit recipe is shown. |
| 12.1.2 | * From edit recipe page:   + Make changes to recipe data   + Click submit button | * Edit page has correct recipe and information. * Changes are save to recipe page. |
| Feature: The site allows admin users to delete any recipe from its page | | |
|  | Tests | Required result |
| 12.2.1 | * Log in to an administrator account * Open a recipe page uploaded by the account   + Click the delete button   + In the modal dialog select “NO”   + Click the delete button   + In the modal dialog select “YES” | * Delete option is displayed. * Modal delete confirmation dialog is shown * Selecting “NO” cancels the deletion and returns to the recipe page. * Selecting “YES” deletes the recipe. |
| Feature: The site allows admin users to delete any comment | | |
|  | Tests | Required result |
| 12.3.1 | * Log in to an administrator account * Open a recipe page   + Scroll to comment section   + Click the delete button on the comment | * Comment delete button is displayed * The comment is removed from the list. |
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| (**US013**) - As a user I want to receive clear feedback for my actions so I know if any further action is required. | | |
| Feature: Flash messages from the server provides information, warning and error messages raised during backend operations. | | |
|  | Tests | Required result |
| 13.1.1 | * Log into a user account * Open a recipe page uploaded by user   + Select delete recipe | * A Flash message is displayed indicating success or failure. |
| 13.1.2 | * Log into a user account * Open a recipe page   + Scroll to comment section   + Delete a comment added by the user | * A Flash message is displayed indicating success or failure. |
| 13.1.3 | * Register a new user account | * A Flash message is displayed indicating success or failure. |
| 13.1.4 | * Log in an existing account | * A Flash message is displayed indicating success or failure. |
| 13.1.5 | * Log into a user account * Log out of user account | * A Flash message is displayed indicating success or failure. |
| Feature: Forms indicate required fields with warning messages on submit.  Feature: Forms provide validation warnings through colour cues and messages on the form field. | | |
|  | Tests | Required result |
| 13.2.1 | * Open log in page   + Add invalid data to fields and try to submit | * Invalid fields are flagged. * Form will not submit. |
| 13.2.2 | * Open log in page   + Select Register in login dialog   + Add invalid data to fields and try to submit | * Invalid fields are flagged. * Form will not submit. |
| 13.2.3 | * Log into a user account * Open the edit or add recipe page   + Try to submit with empty required fields | * Invalid fields are flagged. * Form will not submit. |
| 13.2.4 | * Search with an empty form | * Page redirects to search page without error. |
| Feature: Interactive site components react to user actions with hover cues. | | |
|  | Tests | Required result |
| 13.4.1 | * Hover interactive elements | * A hover effect is shown. |
| Feature: Recipe ingredients in the recipe ingredient list indicate usage or availability. | | |
|  | Tests | Required result |
| 13.5.1 | * Open a recipe page   + Scroll to ingredient section   + Click ingredient list elements | * The Ingredient checkbox is toggled. * The ingredient text is shown as crossed out if checkbox is checked. |
| Feature: Recipe steps can be highlighted to indicate the user's current progress. | | |
|  | Tests | Required result |
| 13.6.1 | * Open a recipe page   + Scroll to ingredient section   + Select Method tab   + Hover step   + Click step | * The step is highlighted on hover. * The step remains highlighted on click. * Step number is highlighted when selected. |