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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Cookbook Creation | | | ID | 01 | Priority | - |
| Actor | | Registered User | | | | | |
| Description | | The system will allow registered users to create cookbooks. These cookbooks will be used to store recipes. | | | | | |
| Trigger Event | | The user clicks a button to “Create a Cookbook”. | | | | | |
| Preconditions:  The website is available.  The user is registered. | | | | | | | |
| Normal Course:  1.0   1. The system displays a registered users homepage ← User Account 2. The user clicks the button to “Create a Cookbook” 3. The system displays a dialog box for the cookbooks name ← 4. The user inputs the name of the cookbook and clicks OK ← Cookbook name 5. The system creates a new cookbook object and displays it to the users home page → new cookbook | | | | | | | |
| Alternative Course: None | | | | | | | |
| Postconditions:   1. The new cookbook is created. 2. The new cookbook is displayed on the user’s homepage | | | | | | | |
| Exceptions:  E1: Cancel creation   1. The user selects cancel on the dialog box prompting for the cookbook name. 2. The user is returned to the user’s homepage and the cookbook is not created. | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| User Account  Cookbook name | | | System  User | | | | |
| Output | | | Destination | | | | |
| Cookbook | | | Cookbook DB | | | | |

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| Name | Recipe Creation | | | ID | 02 | Priority | - |
| Actor | | Registered User | | | | | |
| Description | | The system will allow registered users to create recipes. These recipes will be used to store ingredients. | | | | | |
| Trigger Event | | The user clicks a button to “Create a Recipe”. | | | | | |
| Preconditions:  The website is available.  The user is registered. | | | | | | | |
| Normal Course:  1.0   1. The system displays a registered users homepage ← User Account 2. The user clicks the button to “Create a Recipe” 3. The system displays a form for the user to input the recipe name, ingredients, procedure, cook time, difficulty, creator, category, and cookbook (if applicable) ← Recipe Form 4. The user inputs the recipe information and clicks Create ← Recipe Information 5. The system creates a new recipe object and displays the recipe object for the user → Recipe Object | | | | | | | |
| Alternative Course: None | | | | | | | |
| Postconditions:   1. The new recipe is created. 2. The new recipe is displayed to the user 3. The recipe is linked to the user’s cookbook (if applicable) | | | | | | | |
| Exceptions:  E1: Cancel creation   1. The user selects cancel on the recipe form. 2. The user is displayed the recipe. | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| User Account  Recipe Information | | | System  User | | | | |
| Output | | | Destination | | | | |
| Recipe Form  Recipe | | | System  Recipe DB | | | | |

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| Name | Ingredient Creation | | | ID | 03 | Priority | - |
| Actor | | Registered User | | | | | |
| Description | | The system will allow registered users to create ingredients. These ingredients will be used in recipes. | | | | | |
| Trigger Event | | The user clicks a button to “Create an Ingredient”. | | | | | |
| Preconditions:  The website is available.  The user is registered.  The user is in the process of creating a recipe. | | | | | | | |
| Normal Course:  1.0   1. The system prompts the user that the ingredient does not exist and asks if the user wants to create it. 2. The user click OK to create the ingredient 3. The user enters new ingredient information ← Ingredient object created 4. The system displays the updated recipe form with the added ingredient ← updated recipe form | | | | | | | |
| Alternative Course:  E1: User removes added ingredient   1. The user click to delete the new ingredient row. ← Ingredient row removed 2. The recipe form is displayed without the new ingredient row. ← Recipe form | | | | | | | |
| Postconditions:   1. The new ingredient is created. 2. The new ingredient is displayed on the recipe creation form page | | | | | | | |
| Exceptions:  E1: Cancel creation (deviates after step 6)   1. The user clicks cancel on the create ingredient dialog box → Cancel 2. The system displays the recipe form ← recipe form | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| User Account  Recipe Form  Ingredient Row in Form  Ingredient Dialog Box  Updated Recipe Form | | | System  User  System  System  System | | | | |
| Output | | | Destination | | | | |
| Ingredient | | | Ingredient DB | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Add ingredients | | | ID | 04 | Priority | - |
| Actor | | Registered User | | | | | |
| Description | | The system will allow registered users to add ingredients to recipes | | | | | |
| Trigger Event | | The user clicks a button to “Add Ingredients”. | | | | | |
| Preconditions:  The website is available.  The user is registered.  The recipe already exists in the database.  The recipe belongs to the user. | | | | | | | |
| Normal Course:  1.0 User is within the recipe creation form   1. The system displays the recipe creation form 2. The user clicks the button to “Add Ingredients” 3. The system displays ingredient adding form 4. The user specifies the name of the ingredient 5. The system checks if the ingredient exists    1. if the ingredient exists, the user selects the ingredient    2. if the ingredient is not found, the system prompts the user to create the ingredient   6. The system prompts the user for the measurement and unit of the ingredient  7. The user enters a quantity followed by selecting a unit of measurement  8. The selects “Ok”  9. The system adds the ingredient to the recipe  10. The system prompts the user to keep adding ingredients.  11. The user selects “Yes” or “No”   1. if “Yes” the system repeats case 2. if “No” the system returns to recipe display | | | | | | | |
| Alternative Course: None | | | | | | | |
| Postconditions:   1. An ingredient is added to the recipe | | | | | | | |
| Exceptions:  E1: Cancel Ingredient   1. The user selects cancel button at anytime during the adding process 2. The system does not add the ingredient   E2: Ingredient already exists in recipe   1. The user tries to add an ingredient that already exists in the recipe 2. The system alerts the user and prompts if they want to increase the quantity 3. The user cancels or enters new quantity 4. The system cancels the addition of the ingredient or updates the quantity | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| Recipe form  Add Ingredient button clicked  Ingredient specified  Quantity specified | | | System  User  User  User | | | | |
| Output | | | Destination | | | | |
| Ingredient added | | | Recipe | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Modify Recipe by Registered | | | ID | 05 | Priority | - |
| Actor | | Registered User | | | | | |
| Description | | The system will allow registered users to modify an existing recipe. | | | | | |
| Trigger Event | | The user clicks a button to “Modify a Recipe”. | | | | | |
| Preconditions:  The website is available.  The user is registered.  The recipe being modified exists and was created by this user. | | | | | | | |
| Normal Course:  1.0   1. The system displays a registered users homepage ← User Account 2. The user clicks the button to “Open Cookbook”. 3. The system displays the cookbooks recipes. 4. The user clicks a recipe. 5. The system displays the recipe selected by the user. 6. The user select to “Modify Recipe”. 7. The system displays the same recipe form displayed when creating a recipe, but the fields are pre-populated with the existing data. ← Recipe form with existing data 8. The user edits the recipe data and click “Submit”. ← Recipe form with modified data 9. The system updates the recipe in the database and displays the updated recipe page. → Modified Recipe | | | | | | | |
| Alternative Course:  E1: Cancel modification (deviates after step 7)   1. The user selects cancel on the recipe form 2. The user is returned to the recipe page and the recipe remains unmodified. | | | | | | | |
| Postconditions:   1. The recipe is modified. 2. The modified recipe is displayed to the user. | | | | | | | |
| Exceptions: None | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| User Account  Recipe form with existing data  Recipe form with modified data | | | System  System  User | | | | |
| Output | | | Destination | | | | |
| Modified Recipe | | | Recipe DB | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Modify Ingredients | | | ID | 06 | Priority | - |
| Actor | | Administrator User | | | | | |
| Description | | The system will allow administrator users to modify ingredients. | | | | | |
| Trigger Event | | The user clicks a button to “Modify an Cookbook”. | | | | | |
| Preconditions:  The website is available.  The user is an administrator.  The ingredient exists in the database. | | | | | | | |
| Normal Course:  1.0   1. The system displays an administrator users homepage ← User Account 2. The user clicks the “Ingredients” tab to display all ingredients. 3. The user selects an ingredient and clicks “Modify”. 4. The system displays a dialog box with the ingredient selected by the user and the existing data pre-populated in the same dialog box as the create ingredient form. ← Ingredient form with existing data 5. The user edits the ingredient data and click “Submit” ← Ingredient form with modified data 6. The system updates the ingredient in the database and displays the updated page of ingredients. → Modified Ingredient | | | | | | | |
| Alternative Course: None | | | | | | | |
| Postconditions:   1. The ingredient information is modified 2. The new ingredient shows up on the new page of ingredients | | | | | | | |
| Exceptions:  E1: Cancel modification   1. The user selects cancel on the dialog box for modifying an ingredient 2. The user is returned to the user’s homepage and the ingredient remains the same.. | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| User Account  Ingredient form with existing data  Ingredient form with modified data | | | System  System  User | | | | |
| Output | | | Destination | | | | |
| Modified Ingredient | | | Ingredient DB | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Modify Recipe by Administrator | | | ID | 07 | Priority | - |
| Actor | | Administrator User | | | | | |
| Description | | The system will allow administrator users to modify an existing recipe. | | | | | |
| Trigger Event | | The user clicks a button to “Modify a Recipe”. | | | | | |
| Preconditions:  The website is available.  The user is registered.  The recipe being modified exists and was created by this user. | | | | | | | |
| Normal Course:  1.0   1. The system displays a registered users homepage ← User Account 2. The user clicks the “Recipes” tab to display all recipes. 3. The user selects a recipe. 4. The system displays the recipe selected by the user 5. The user select to “Modify Recipe” 6. The system displays the same recipe form displayed when creating a recipe, but the fields are prepopulated with the existing data. ← Recipe form with existing data 7. The user edits the recipe data and click “Submit” ← Recipe form with modified data 8. The system updates the recipe in the database and displays the updated recipe page. → Modified Recipe | | | | | | | |
| Alternative Course:  E1: Cancel modification (deviates after step 7)   1. The user selects cancel on the recipe form 2. The user is returned to the recipe page and the recipe remains unmodified. | | | | | | | |
| Postconditions:   1. The recipe is modified. 2. The modified recipe is displayed to the user. | | | | | | | |
| Exceptions: None | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| User Account  Recipe form with existing data  Recipe form with modified data | | | System  System  User | | | | |
| Output | | | Destination | | | | |
| Modified Recipe | | | Recipe DB | | | | |

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| Name | Register User | | | ID | 08 | Priority | - |
| Actor | | Unregistered User | | | | | |
| Description | | The system will allow anonymous users to sign up as a registered user to store user data. | | | | | |
| Trigger Event | | User selects “Register” | | | | | |
| Preconditions:  The website is available.  Registration is available.  The user is unregistered. | | | | | | | |
| Normal Course:  1.0 User is on the homepage   1. User selects to “Register” 2. Information is collected from the user: username, password, email 3. Information is tested for veracity 4. User account is created with supplied credentials 5. Welcome email is sent to the supplied address | | | | | | | |
| Alternative Course: None | | | | | | | |
| Postconditions:   1. User account is created | | | | | | | |
| Exceptions:  E1: Cancel Registration   1. The user selects cancel button at anytime during the registration process 2. The system discards the temporary data and returns the user to the homepage   E2: Username already exists in system   1. The user tries to register a username that already exists in the system 2. The system alerts the user and prompts if they want to change the username 3. The user cancels or enters a new username 4. The system cancels the registration or continues the registration | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| Name  Email  Password | | | User | | | | |
| Output | | | Destination | | | | |
| User Account | | | User Database | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Login | | | ID | 09 | Priority | - |
| Actor | | Logged out User | | | | | |
| Description | | The system will allow users to log into registered accounts | | | | | |
| Trigger Event | | User selects “Login” | | | | | |
| Preconditions:  Website is available  Login system is available  User is not logged in | | | | | | | |
| Normal Course:  1.0 User is on the homepage   1. User selects to “Login” 2. User is presented with a login screen 3. User enters their credentials 4. User selects login and the supplied credentials are verified | | | | | | | |
| Alternative Course: None | | | | | | | |
| Postconditions:   1. User is logged in | | | | | | | |
| Exceptions:  E1: Cancel Login   1. The user selects cancel button at anytime during the login process 2. The system discards the temporary data and returns the user to the homepage   E2: Username does not exist in the system   1. The user tries to login with a username that does not exist in the system 2. The system alerts the user and prompts if they want to change the username 3. The user cancels or enters a new username 4. The system cancels the registration or continues the registration   E3: The password does not match the username   1. The user tries to login with a password that does not match the username 2. The user is prompted to re-enter the password 3. The user cancels or enters a new password 4. The system cancels the registration or continues the registration | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| Username  Password | | | User | | | | |
| Output | | | Destination | | | | |
| Account is logged in | | | User Database | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Add Recipe to Cookbook | | | ID | 10 | Priority | - |
| Actor | | Registered User | | | | | |
| Description | | The system will allow registered users to add recipes to their cookbooks. | | | | | |
| Trigger Event | | The user clicks a button to “Add Recipe to Cookbook”. | | | | | |
| Preconditions:  The website is available.  The user is registered.  The user is currently viewing a recipe. | | | | | | | |
| Normal Course:  1.0   1. The system displays a recipe page to the user. 2. The user clicks the button to “Add Recipe to Cookbook” 3. The system displays a list of the user’s cookbooks to add the recipe to. → Cookbook List 4. The user selects the cookbook to add the recipe and clicks Add ← Cookbook ID 5. The system add the recipe to the cookbook → Recipe ID 6. The system displays the recipe page of the recipe just added to the cookbook ← Recipe Page | | | | | | | |
| Alternative Course: None | | | | | | | |
| Postconditions:   1. The recipe is added to the selected user cookbook. | | | | | | | |
| Exceptions:  E1: Cookbook does not exist   1. The user does not have any cookbooks to choose. 2. The user is displayed the recipe with an error message. | | | | | | | |
| Summary | | | | | | | |
| Input | | | Source | | | | |
| Cookbook ID  Recipe Page | | | User  System | | | | |
| Output | | | Destination | | | | |
| Cookbook List  Recipe ID | | | System  Cookbook DB | | | | |