





<b>Title:</b>	<b>Logging into the account</b>
<b>Description:</b>	Allows the user to log in and start an authenticated session
<b>System Under Design:</b>	Account system
<b>Primary Actor:</b>	Registered user
<b>Participants:</b>	
<b>Goal:</b>	Only allow the designated person to log into their account and deny access to anyone who tries to compromise an account.
<b>Following Use Cases:</b>	None, or creating account
<b>Invariant:</b>	
<b>Precondition:</b>	User is not logged into an account
<b>Success Postcondition:</b>	The user is successfully allowed or denied account access based upon credentials.

<b>STEPS:</b>  1. User visits the site and presses login  3. The user enters credentials and presses enter	<b>System Response:</b>  2. System displays an interface to enter credentials  4. The system verifies credentials and notifies the user of the result. If the credentials are correct, the user is given access to their account. If the credentials are incorrect, the user is denied access, and the system returns to step 2.
------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Logging out of account</b>
<b>Description:</b>	Allows the user to end the active authentication session and log out
<b>System Under Design:</b>	Account system
<b>Primary Actor:</b>	Registered user
<b>Participants:</b>	
<b>Goal:</b>	Ending the authenticated session.
<b>Following Use Cases:</b>	Login
<b>Invariant:</b>	
<b>Precondition:</b>	The user is logged into their account
<b>Success Postcondition:</b>	The user must log in again before performing actions as a registered user.

<b>STEPS:</b>  1. User presses the logout button through the user interface	<b>System Response:</b>  2. The system ends the active user session, notifies the user that they were successfully logged out, and renders the homepage as an anonymous user.
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Editing account</b>
<b>Description:</b>	This allows the user to edit account-specific data
<b>System Under Design:</b>	Account system
<b>Primary Actor:</b>	Registered user
<b>Participants:</b>	
<b>Goal:</b>	Allow a registered user to edit account-specific data
<b>Following Use Cases:</b>	Logging in
<b>Invariant:</b>	
<b>Precondition:</b>	The user is logged into their account and is looking at their profile information page.
<b>Success Postcondition:</b>	The requested account information has been updated or deleted on the backend servers.

<b>STEPS:</b>  1. The user presses the edit account button.   3. The user edits the data and presses the save button	<b>System Response:</b>  2. The system shows a new page where users can edit their account information and configuration.  4. The system updates the requested data and displays a message that the operation was either successful or unsuccessful.
-------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Creating account</b>
<b>Description:</b>	This allows an anonymous user to create an account. Specialization of Edit Account.
<b>System Under Design:</b>	Account system
<b>Primary Actor:</b>	Anonymous user
<b>Participants:</b>	
<b>Goal:</b>	After creating an account, users will be able to use features exclusive to registered users.
<b>Following Use Cases:</b>	Logging in
<b>Invariant:</b>	
<b>Precondition:</b>	User is not logged into an account
<b>Success Postcondition:</b>	The user has a new account.

<b>STEPS:</b>  1. The user presses the create account button.         3. The user enters the data and presses the create account button	<b>System Response:</b>  2. The system shows a new page where users can enter their account information and login credentials.   4. The system creates the new account on the backend, displays a message that the operation was either successful or unsuccessful, and begins an authorized user session.
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Change password</b>
<b>Description:</b>	This allows the user to change their password. Specialization of Edit Account.
<b>System Under Design:</b>	Account system
<b>Primary Actor:</b>	Registered user
<b>Participants:</b>	
<b>Goal:</b>	User changes their password
<b>Following Use Cases:</b>	Logging in
<b>Invariant:</b>	
<b>Precondition:</b>	The user is logged into their account
<b>Success Postcondition:</b>	The user's password has been updated, and if not, the user receives a message that it was not updated.

<p><b>STEPS:</b></p> <p>1. The user presses the edit account button.</p> <p>3. The user pressed the change password button</p> <p>5. The user logs in and enters their new password</p>	<p><b>System Response:</b></p> <p>2. The system brings the user to a page where they can edit their account.</p> <p>4. The system brings the user to a screen where they can enter the new password but requires the user to first log in again.</p> <p>6. The system displays a message about whether or not the operation was successful</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>View Recipe / View individual recipe</b>
<b>Description:</b>	This allows the user to view the details of a specific recipe.
<b>System Under Design:</b>	Browsing system, Viewing system
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Allowing the user to view recipe details, such as ingredients and instructions.
<b>Following Use Cases:</b>	View collection
<b>Invariant:</b>	
<b>Precondition:</b>	The user is viewing a recipe collection or search query.
<b>Success Postcondition:</b>	The user can browse information specific to an individual recipe.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user clicks the link to a specific recipe.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>2. The system takes the user to a recipe viewing page.</li> <li>3. The system displays the ingredients and instructions for the specific recipe.</li> </ol>
-------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



<b>Title:</b>	<b>View Collection</b>
<b>Description:</b>	This allows the user to view a collection of recipes.
<b>System Under Design:</b>	Browsing system
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Allow a user to view the list of recipes in a collection.
<b>Following Use Cases:</b>	None
<b>Invariant:</b>	
<b>Precondition:</b>	User has submitted a query to the search engine, or is browsing collections saved to their account.
<b>Success Postcondition:</b>	The user can browse through the list of recipes in the collection.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user presses the link to a collection.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>2. The system brings the user to a database viewing page.</li> <li>3. The system displays the list of recipes in the specific collection.</li> </ol>
---------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>View Personal Collection</b>
<b>Description:</b>	This allows the user to view their personal collection of recipes. Specialization of View Collection.
<b>System Under Design:</b>	Browsing System
<b>Primary Actor:</b>	Registered user
<b>Participants:</b>	
<b>Goal:</b>	Allow the user to view recipes in their private collection, including recipes marked as private.
<b>Following Use Cases:</b>	Logging in
<b>Invariant:</b>	
<b>Precondition:</b>	User is logged in. User has submitted a query to the search engine, or is browsing collections saved to their account.
<b>Success Postcondition:</b>	The user can browse through the list of recipes in their private collection.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user selects their private collection from their account profile.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>2. The system brings the user to a database viewing page.</li> <li>3. The system displays the list of recipes in the private collection.</li> </ol>
------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>View Public Collection</b>
<b>Description:</b>	This allows the user to view the public collection of recipes. Specialization of View Collection.
<b>System Under Design:</b>	Browsing System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Allow the user to view the list of recipes in the public collection.
<b>Following Use Cases:</b>	None
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing the application homepage.
<b>Success Postcondition:</b>	The user can browse through the list of public recipes.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user clicks the “browse recipes” button.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>2. The system brings the user to a database viewing page.</li> <li>3. The system displays the list of all recipes marked as public.</li> </ol>
-----------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Search Recipe</b>
<b>Description:</b>	This allows the user to search for a recipe in a collection
<b>System Under Design:</b>	Search System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Provide the user with a list of relevant search results
<b>Following Use Cases:</b>	None
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing the search-engine page of the app.
<b>Success Postcondition:</b>	Returns a list of relevant search results

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. User selects the search bar field</li> <li>2. User types in search criteria</li> <li>3. User clicks, "search" button</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>4. System initiates search of recipe collection</li> <li>5. System returns a list of relevant search results</li> </ol>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Search by name</b>
<b>Description:</b>	This allows the user to search for a recipe in a collection by using the name of the recipe as a keyword. Specialization of Search recipes.
<b>System Under Design:</b>	Search System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Provide the user with a list of search results based on the name of recipes.
<b>Following Use Cases:</b>	None
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing the search-engine page of the app.
<b>Success Postcondition:</b>	Returns a list of search results based on names of recipes

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. User selects the search bar field</li> <li>2. User types in search criteria</li> <li>3. User clicks, "search" button</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>4. System initiates search of recipe collection</li> <li>5. System returns a list of relevant search results</li> </ol>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Search by Author</b>
<b>Description:</b>	This allows the user to search for a recipe in a collection by using the author of the recipe as a keyword. Specialization of Search recipes.
<b>System Under Design:</b>	Search System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Provide the user with a list of search results based on recipe authors.
<b>Following Use Cases:</b>	None
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing the search-engine page of the app.
<b>Success Postcondition:</b>	Returns a list of search results based on authors of recipes.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. User selects the search bar field</li> <li>2. User types in search name of author</li> <li>3. User clicks, "search" button</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>4. System initiates search of author names</li> <li>5. System returns a list of relevant search results</li> </ol>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Filter Search with tags</b>
<b>Description:</b>	This allows the user to refine search results based on recipes' tags. Extends Search by Name and Search by Author.
<b>System Under Design:</b>	Search System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Allow the user to reduce the number of search results by only including recipes that meet the required tag parameters.
<b>Following Use Cases:</b>	Search Recipe
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing a collection
<b>Success Postcondition:</b>	The collection view is only displaying recipes in that collection that meet the criteria of the filter.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user clicks the "filter" button.</li> <li>3. The user selects a set of filter criteria</li> <li>4. The user clicks the "apply" button.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>2. The system displays a list of filter options and tags.</li> <li>5. The system removes any recipes that do not meet the criteria from the list of recipes to display.</li> <li>6. The system displays the adjusted list of recipes in the database view.</li> </ol>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Blacklist tags</b>
<b>Description:</b>	This allows the user to refine search results by removing any recipes with certain tags. Specialization of Filter with Tags
<b>System Under Design:</b>	Search System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Allow the user to remove any recipes with unwanted tags from their view of a collection.
<b>Following Use Cases:</b>	Search Recipe
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing a collection
<b>Success Postcondition:</b>	The user's view of the collection no longer contains any recipes with the blacklisted tags.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user clicks the "filter" button.</li> <li>3. The user selects the "filter out" option.</li> <li>4. The user selects any desired tags to filter out.</li> <li>5. The user clicks the "apply" button.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>2. The system displays a list of filter options and tags.</li> <li>6. The system removes any recipes with the selected tags from the list of recipes to display.</li> <li>7. The system displays the adjusted list of recipes in the database view.</li> </ol>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



<b>Title:</b>	<b>Whitelist Tags</b>
<b>Description:</b>	This allows the user to refine search results to only show recipes that have certain tags. Specialization of Filter with Tags.
<b>System Under Design:</b>	Search System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Allow users to remove any recipes that do not contain certain tags from their view of a collection.
<b>Following Use Cases:</b>	Search Recipe
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing a collection
<b>Success Postcondition:</b>	The user's view of a collection only contains recipes that have a certain list of tags.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user clicks the "filter" button.</li> <li>3. The user selects the "show only" option.</li> <li>4. The user selects any desired tags to filter by.</li> <li>5. The user clicks the "apply" button.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>2. The system displays a list of filter options and tags.</li> <li>6. The system removes any recipes without the selected tags from the list of recipes to display.</li> <li>7. The system displays the adjusted list of recipes in the database view.</li> </ol>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>View Recipe Tags</b>
<b>Description:</b>	This allows the user to view a list of the tags attached to a specific recipe. Extends View Individual Recipe.
<b>System Under Design:</b>	View Recipe System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Allow the user to see the tags associated with a recipe.
<b>Following Use Cases:</b>	View Recipe
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing a recipe
<b>Success Postcondition:</b>	The user can see a list of all the tags associated with a recipe.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user looks on the right-hand column of a recipe-page at the “tags” section</li> <li>2. The user may expand this column by clicking “see more tags” at the bottom of the tags section.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>3. The system displays the rest of the tags associated with the recipe in an overlay.</li> </ol>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Step-by-step view</b>
<b>Description:</b>	Provides the user with a step-by-step presentation to lead them through the process of cooking a recipe. Extends View Individual Recipe.
<b>System Under Design:</b>	View Recipe System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	Provide user with list of required ingredients, cookware, and cooking steps to guide the user through the cooking process
<b>Following Use Cases:</b>	View Recipe
<b>Invariant:</b>	User is viewing a recipe
<b>Precondition:</b>	User is viewing a recipe
<b>Success Postcondition:</b>	The user sees each step of the recipe one by one in a pop-up display.

<b>STEPS:</b> <ol style="list-style-type: none"> <li>1. The user clicks the button labeled, "step-by-step prompt"</li> <li>3. The user clicks on the display.</li> </ol>	<b>System Response:</b> <ol style="list-style-type: none"> <li>2. Overlay pops up, displaying the first instruction bullet point.</li> <li>4. Display switches to the next instruction bullet point.</li> <li>5. If there are no more bullet points, then the system will close the display.</li> </ol>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Title:</b>	<b>Share link to recipe</b>
<b>Description:</b>	Provide the user with a simple mechanism to share recipe links with other users. Extends View Individual Recipe.
<b>System Under Design:</b>	View Recipe System
<b>Primary Actor:</b>	User
<b>Participants:</b>	
<b>Goal:</b>	User should be able to copy a concise url to their clipboard
<b>Following Use Cases:</b>	View Recipe
<b>Invariant:</b>	
<b>Precondition:</b>	User is viewing a recipe
<b>Success Postcondition:</b>	User is able to copy recipe url to their clipboard

<b>STEPS:</b>  1. The user clicks the button labeled "Get shareable link".  3. The user may now paste the link, which will redirect another user to the recipe.	<b>System Response:</b>  2. Link copied to clipboard
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------