

# Use Cases

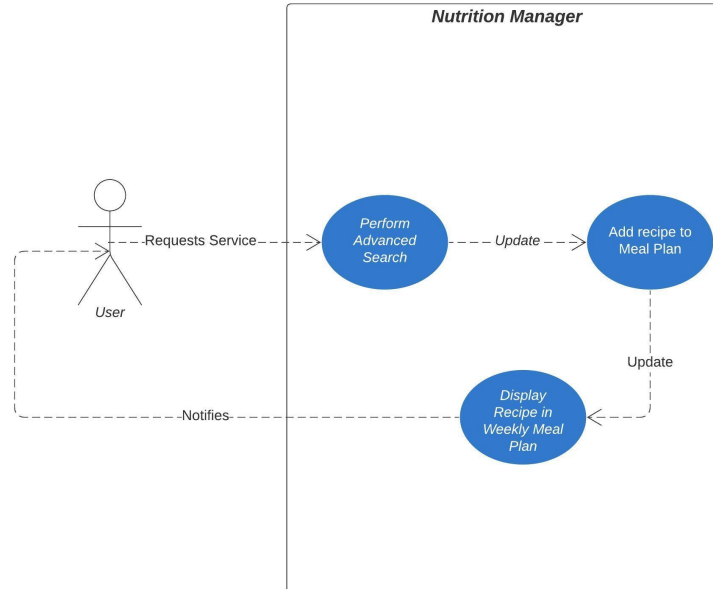
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# Use Case Diagram

## Use case diagram

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# Explanation

For simplicity sake, actors such as administrators, internal stakeholders, and customer service representatives have been omitted altogether in this use case diagram, and iteration of the app.

The flow for this use case diagram is as follows:

- A user requests the advanced search service.
- A user uses this service to add a recipe to the Meal Plan.
- The added recipe is displayed to a user in the default Weekly Meal Plan view.

# Use case 1 - Perform Advanced Search

**Name:** Perform Advanced Search

**Actor:** User

**Description:** Describes the process used to perform an Advanced Search

**Successful completion:**

1. User adds filters to search against on the Advanced Search page.
2. System sends out an API call to fetch all matching recipes.
3. Results from API are fetched in JSON format.
4. System displays search results to User.

**Alternative:**

1. User adds filters to search against on the Advanced Search page.
2. System sends out an API call to fetch all matching recipes.
3. No results are fetched by the API.
4. System displays 'No recipes found' to User.

**Precondition:** At least one filter is set before performing a search.

**Postcondition:** Search results are displayed to User.

**Assumptions:** A user knows the purpose of the Advanced Search feature.

# Use Case 2 - Add recipe to Meal Plan

**Name:** Add recipe to Meal Plan

**Actor:** User

**Description:** Describes the process used to add a recipe to the Meal Plan

**Successful completion:**

1. User selects one recipe to add to the Meal Plan.
2. For selected recipe, User selects the type of meal to add the recipe as.
3. For selected recipe, User selects the day/ date to add the recipe to the Meal Plan.
4. User adds selected recipe to Meal Plan.

**Alternative:** None

**Precondition:** Advanced Search returns at least one result.

**Postcondition:** The selected recipe is added to the Meal Plan.

**Assumptions:** None

# Use Case 3 - Display recipe in Weekly Meal Plan

**Name:** Display recipe in Weekly Meal Plan

**Actor:** User

**Description:** Describes the process used to display a recipe in the default Weekly Meal Plan view.

**Successful completion:**

1. User adds a recipe to the Meal Plan.
2. System updates the Meal Plan database with added recipe.
3. Added recipe is displayed to User after Meal Plan view is generated.

**Alternative:** None

**Precondition:** A new recipe is added to the Meal Plan.

**Postcondition:** Newly added recipe is displayed to User.

**Assumptions:** None

Thank you!