**Hungerger**

**Use-Case UC7: Search Recipe**

| **REVISIONS** | | | |
| --- | --- | --- | --- |
| **Rev. No** | **Description** | **Date** | **Person** |
| 0.1 | Creating the document | 23.11.2023 | Aslı |
| 0.2 | Extensions are added | 25.11.2023 | Aslı |

**Scope:** Hungerger Application

**Level:** User Goal

**Primary Actor:** User

**Stakeholders and Interests:**

* User: Wants accurate, fast operations. Wants to find a recipe according to their desire. Wants to see filtered results.

**Precondition**

* The user shall have an account and be logged into the system.
* The system shall contain at least one recipe (just for checking if the operation is successful)
* The database system must be operational and capable of searching the recipe.
* There is an active network connection.

**Success Guarantee (or Postconditions):**

* The Recipe is found if there is a recipe that matches the filters or the process is canceled.
* The resulting recipe shall match the applied filter.

**Main Success Scenario (or Basic Flow):**

1. The use case begins when the User requests to search for a recipe.

2. The system displays a page where the User can apply filtering options (See Supplementary Requirement WC-1 for filtering options).

3. The User enters filtering options (See Supplementary Requirement WC-3 for entering types).

4. The User submits their request.

5. The system processes the request.

6. The system displays recipes that match the filters.

7. The use case ends successfully.

**Extensions (or Alternative Flows):**

\*a. At any time prior to step 4 in the basic flow, the User requests to cancel the operation:

1. The system shall display a message indicating that creating a recipe was canceled.

2. The use case ends.

\*b. At any time, the System fails:

1. The system shall display a message indicating the type of the failure

2. The system updates its logs.

3. The use case ends.

5. a. Invalid parameters

1. If the User enters invalid parameters for the cost range

1. a. The system displays a message that indicates the problem and asks the User to enter a valid cost range (See Supplementary Requirement WC-4 for a valid cost range).

1. b. The use case resumes at step 3.

1. If the User enters invalid parameters for the recipe name

2. a. The system displays a message that indicates the problem and asks the User to enter a valid recipe name (See Supplementary Requirement WC-5 for a valid recipe name).

2. b. The use case resumes at step 3.

**Supplementary Requirements:**

[SpReq: WC-1]: The filtering options are name, dietary type (See Supplementary Requirement WC-2 for dietary types), cost range, rate, and ingredients.

[SpReq: WC-2]: The existing dietary types are regular, vegan, vegetarian, gluten-free, and keto.

[SpReq: WC-3]: The filtering can be applied by typing (recipe name, cost range) or selecting (dietary type, ingredients, and rate).

[SpReq: WC-4]: A valid cost range consists of positive integers, and the range should be greater than zero.

[SpReq: WC-5]: A valid recipe name consists of letters, and should be between 5-15 characters.

**Frequency of Occurrence:** Could be nearly continuous.