**Hungerger**

**Use-Case UC4: Create Recipe**

| **REVISIONS** | | | |
| --- | --- | --- | --- |
| **Rev. No** | **Description** | **Date** | **Person** |
| 0.1 | Creating the document | 04.11.2023 | Aslı |
| 0.2 | Revised according to the feedback | 23.11.2023 | Aslı |
| 0.3 | Typos | 25.11.2023 | Aslı |

**Scope:** Hungerger Application

**Level:** User Goal

**Primary Actor:** User

**Stakeholders and Interests:**

* User: Wants accurate, fast entry and up-to-date ingredient prices as much as possible.
* Marketplace: Represents the online external platform from which the application collects

the prices of various ingredients. Wants to be requested API call (See Open Issues).

**Precondition**

* The User shall have an account and logged into the system.
* A collaboration must be made with an online marketplace (See Open Issues) to collect up-to-date prices of the ingredients for accurate cost calculation.
* The database system must be operational and capable of storing the recipe information submitted by the User.
* There is an active network connection.

**Success Guarantee (or Postconditions):**

* The recipe is saved, or the process is canceled.
* The ingredients' prices and the recipe's total price are correctly calculated.
* The database is updated with the changes.
* The changes are reflected in the User interface of the application.

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

1. The use case begins when the User starts to create a recipe.

2. The system displays a page where the User can enter recipe information (See Supplementary Requirement WC-1 for recipe information).

3. The User enters recipe information (See Supplementary Requirement WC-2 for entering types).

4. The system validates information entered by the user.

5. The User submits the recipe information.

6. The system fetches the current prices of the ingredients from the marketplace and calculates the total cost of the recipe.

7. The system saves recipe information to the database.

8. The system reflects the changes to the application's user interface.

9. The use case ends successfully.

**Extensions (or Alternative Flows):**

\*a. At any time prior to step 5 in the basic flow, the User requests to cancel the operation:

1. The system shall display a message indicating that the operation 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 failure.

2. The system updates its logs.

3. The use case ends.

4.a. Invalid Image Size

If the User cannot upload the image due to its size, then

1. The system displays a message that indicates the accepted size (See Supplementary Requirement WC-3 for the accepted image size) and asks the User to upload another image according to that size.
2. The use case resumes at step 3.

4.b. Missing entry

If any of the User inputs are missing, then

1. The system shows a message that indicates the name of the missing entry and asks the User to complete it.
2. The use case resumes at step 3.

4. c. Invalid amount

If the User enters an amount that cannot be created (See Supplementary Requirement WC-4 for valid amounts), then

1. The system shall display a message indicating the accepted amount interval.
2. The use case resumes at step 3.

4.d. Character size exceeded for the recipe description

If the User enters a description that is larger than the pre-defined one (See Supplementary Requirement WC-6 for recipe detail’s character limit), then

1. The system shall display a message indicating the accepted character size.
2. The use case resumes at step 3.

4.d. Character size exceeded for the recipe name

If the User enters a recipe name that is larger than the pre-defined one (See Supplementary Requirement WC-7 for recipe name’s character limit), then

1. The system shall display a message indicating the accepted character size.
2. The use case resumes at step 3.

**SupplementaryRequirements:**

[SpReq: WC-1]: The recipe information contains the recipe name, description, image, dietary type (See Supplementary Requirement WC-5 for existing dietary types), ingredients, and the amounts of the ingredients.

[SpReq: WC-2]: The recipe information can be entered either by selecting (dietary type, ingredients), uploading (image), or typing (recipe name, description, and amounts of the ingredients).

[SpReq: WC-3]: The accepted image size is 50 Mb.

[SpReq: WC-4]: The valid amounts of the ingredients are in kg, and they are between 0,10-2.

[SpReq: WC-5]: The existing dietary types are regular, vegan, vegetarian, gluten-free, and keto.

[SpReq: WC-6]: The character accepted character size for the recipe description is limited to 280 characters.

[SpReq: WC-6]: The character accepted character size for the recipe name is limited to 15 characters.

**Open Issues**

* Dealing with a marketplace part is under discussion. We will use a database instead in the first release.

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