**Hungerger**

**Use-Case UC1: Create Account**

| **REVISIONS** | | | |
| --- | --- | --- | --- |
| **Rev. No** | **Description** | **Date** | **Person** |
| 0.1 | Creating the document | 23.11.2023 | Aslı |
| 0.2 | “handle” was changed to “username” | 25.11.2023 | Aslı |
| 0.3 | “character size” was changed to “character length”  “password renewal” was clarified.  “visitor” was added as a primary actor. | 30.11.2023 | Aslı |

**Scope:** Hungerger Application

**Level:** User Goal

**Primary Actor:** Visitor

**Stakeholders and Interests:**

* Visitor: Wants accurate, fast entry. Wants to be able to create a User account on the system.
* User: Wants accurate, fast entry. Wants to access the application content after successfully creating their account as a Visitor. Wants to be able to reset their password.

**Precondition**

* The Visitor, User, and the system must have an active network connection.
* The database system must be operational and capable of storing the User information.

**Success Guarantee (or Postconditions):**

* The User account is created, or the process is canceled.
* 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 Visitor accesses the application interface.

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

3. The Visitor enters account information.

4. The Visitor submits the account information.

5. The system validates account information and then saves it to the database.

6. The system displays a message regarding the identity verification step (See Supplementary Requirement WC-2 for identity verification; also See Open Issues).

7. The Visitor verifies their identity (See Supplementary Requirement WC-2 for identity verification; also See Open Issues).

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 4 in the basic flow, if the Visitor requests to cancel the operation:

1. The operation is canceled.

2. The system shall display a message indicating the operation was canceled.

3. 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.

5. a. Username already in use

If the Visitor cannot create an account due to the username already in use, then

1. The system displays a message indicating the problem and asks the Visitor to choose a different username.
2. The use case resumes at step 3.

5. b. If the Visitor cannot create an account due to an invalid username type (See Supplementary Requirement WC-3 for valid usernames), then

1. The system displays a message indicating the problem and asks the Visitor to choose a valid username.
2. The use case resumes at step 3.

5. c. Invalid Name

If the Visitor cannot create an account due to the name is invalid (See Supplementary Requirement WC-4 for valid names), then

1. The system displays a message indicating the problem and asks the Visitor to choose a valid name.
2. The use case resumes at step 3.

5. d. Account exists

If the Visitor cannot create an account due to their email address already in use, then

1. The system displays a message indicating the problem.
2. The system asks the Visitor to use a different email address or check the password renewal option if they are a User of the system (See Supplementary Requirement WC-6 for password renewal).
3. The use case resumes at step 3.

5. e. Missing entry

If one of the account information is missing, then

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

5. f. Invalid password

If the Visitor enters an invalid password (See Supplementary Requirement WC-5 for valid passwords), then

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

**Supplementary Requirements:**

[SpReq: WC-1]: The account information contains username, email, password, and password confirmation.

[SpReq: WC-2]: The identity verification is done by the system sending an email to the Visitor where the Visitor can follow the steps regarding verification.

[SpReq: WC-3]: The character length of the username should be between 5-10 characters. The username shall only contain letters and digits, with at least one letter.

[SpReq: WC-4]: The character length of the name should be between 5-15 characters. The name shall only contain letters.

[SpReq: WC-5]: A valid password must be at least eight characters long and contain at least one upper-case letter, one lower-case letter, one digit, and one Supplementary character.

[SpReq: WC-6]: For the password renewal, the system sends the User to a link that allows them to reset their password.

**Open Issues**

* The identity verification step is still under discussion and will be implemented in upcoming releases.

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