

# User Requirements Document



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# 1. User Requirements

## 1.1. Functional Requirements

The desktop application will be mainly used to insert new information, look for this information and edit this information.

Desktop Application
FR-01: User can add new animals
FR-02: User can remove existing animals
FR-03: User can edit animal information
FR-04: User can add new shelters
FR-05: User can remove existing shelters
FR-06: User can edit shelter information
FR-07: User can view animals
FR-08: User can view shelters
FR-09: User can view Clients
FR-10: User can view Client adoption orders

Web Application
FR-11: User/Client can log in to the website
FR-12: User/Client can search for specific animals
FR-13: User/Client can view animal details
FR-14: User/Client can search for specific shelters
FR-15: User /Client can view shelter details
FR-16: User/Client can leave a review for the shelter
FR-17: User/Client can request to adopt animal

## 1.2. Non-Functional Requirements

1. NFR-01: Maintainable and extendable. Proper OO principles must be applied to ensure good maintainability and extensibility of the code base.
2. NFR-02: Bug free system. Appropriate testing techniques must be used when implementing the system to ensure proper functioning.
3. NFR-03: Secure software. Only authorized people may make use of the system and can only access data for which they are authorized. Passwords and user input must also be managed appropriately.

## 2. Use Case

### 2.1. Uses Cases

#### Desktop Use Cases

##### ➤ UC-01: User add new animals

**Requirements:** FR-01

**Actor:** Admin

**Pre-Condition:-**

**Trigger:** Admin requests to add animals

**Main Success Scenario:**

1. System requests animals information
2. Actor fills in required parameter
3. Animal added
4. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

##### ➤ UC-02: User remove existing animals

**Requirements:** FR-02

**Actor:** Admin

**Pre-Condition:** FR-01, must have at least 1 animal in the database

**Trigger:** Admin requests to remove animals

**Main Success Scenario:**

1. System requests animals information
2. Actor fills in required parameter
3. Animal removed
4. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

##### ➤ UC-03: User edit existing animals

**Requirements:** FR-03

**Actor:** Admin

**Pre-Condition:** FR-01, must have at least 1 animal in the database

**Trigger:** Admin requests to edit animal information

**Main Success Scenario:**

1. System requests animals information
2. Actor fills in required parameter
3. Animal edited
4. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message

2. End Use Case

➤ UC-04: User add new shelters

**Requirements:** FR-04

**Actor:** Admin

**Pre-Condition:-**

**Trigger:** Admin requests to add shelters

**Main Success Scenario:**

1. System requests shelters information
2. Actor fills in required parameter
3. Shelter added
4. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

➤ UC-05: User remove existing shelters

**Requirements:** FR-05

**Actor:** Admin

**Pre-Condition:** FR-04, must have at least 1 shelter in the database

**Trigger:** Admin requests to remove animals

**Main Success Scenario:**

1. System requests shelters information
2. Actor fills in required parameter
3. Shelter removed
4. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

➤ UC-06: User edit existing shelters

**Requirements:** FR-06

**Actor:** Admin

**Pre-Condition:** FR-04, must have at least 1 shelter in the database

**Trigger:** Admin requests to edit animal information

**Main Success Scenario:**

1. System requests shelters information
2. Actor fills in required parameter
3. Shelter edited
4. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

➤ UC-07: User view animal information

**Requirements:** FR-07

**Actor:** Admin

**Pre-Condition:** FR-01, must have at least 1 animal in the database

**Trigger:** Admin requests to view animal

**Main Success Scenario:**

1. Admin requests to view animals
2. System shows animals
3. End Use Case

**Extensions:** selected animal does not appear in the database

1. System display error message
2. End Use Case

➤ UC-08: User view shelter information

**Requirements:** FR-08

**Actor:** Admin

**Pre-Condition:** FR-04, must be at least 1 shelter in the database

**Trigger:** Admin requests to view shelter

**Main Success Scenario:**

4. Admin requests to view shelters
5. System shows shelters
6. End Use Case

**Extensions:** selected shelter does not appear in the database

1. System display error message
2. End Use Case

➤ UC-09: User view shelter information

**Requirements:** FR-09

**Actor:** Admin

**Pre-Condition:** must have at least 1 client in the database

**Trigger:** Admin requests to view client

**Main Success Scenario:**

7. Admin requests to view clients
8. System shows clients
9. End Use Case

**Extensions:** client does not appear in the database

1. System display error message
2. End Use Case

➤ UC-10: User view shelter information

**Requirements:** FR-09

**Actor:** Admin

**Pre-Condition:** FR-17

**Trigger:** Admin requests to view client orders

**Main Success Scenario:**

10. Admin requests to view client's order
11. System shows client's order
12. End Use Case

**Extensions:** client does not have orders

3. System display error message
4. End Use Case

➤ UC-11: Client logs in to website

**Requirements:** FR-11

**Actor:** Client

**Pre-Condition:** Client must be registered, client have username and password

**Trigger:** Client requests to log in to website

**Main Success Scenario:**

1. System requests user information
2. Actor fills in required parameter
3. User is logged in
4. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

➤ UC-12: Client searches for specific animals

**Requirements:** FR-12

**Actor:** Client

**Pre-Condition:** FR-11

**Trigger:** Client searches for specific animals

**Main Success Scenario:**

1. Client uses terms to filter animals
2. Website shows animals that fits the specified category
3. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

➤ UC-13: Client view animal details

**Requirements:** FR-13

**Actor:** Admin

**Pre-Condition:** FR-11

**Trigger:** Client requests to view animal's details

**Main Success Scenario:**

1. Client requests to view animal's details
2. System shows animal details
3. End Use Case

**Extensions:** -

➤ UC-14: Client searches for specific shelters

**Requirements:** FR-14

**Actor:** Client

**Pre-Condition:** FR-11

**Trigger:** Client searches for specific shelters

**Main Success Scenario:**

1. Client uses terms to filter Shelters
2. Website shows shelters that fits the specified category

3. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

➤ UC-15: Client view shelter details

**Requirements:** FR-15

**Actor:** Admin

**Pre-Condition:** FR-11

**Trigger:** Client requests to view shelter's details

**Main Success Scenario:**

4. Client requests to view shelter's details
5. System shows shelter details
6. End Use Case

**Extensions:** -

➤ UC-16: User remove existing shelters

**Requirements:** FR-16

**Actor:** Client

**Pre-Condition:** FR-11

**Trigger:** Client requests to leave a review for the shelter

**Main Success Scenario:**

1. System requests review
2. Actor fills in required parameter
3. Review sent
4. End Use Case

**Extensions:** Information does not fit the required parameter

1. System display error message
2. End Use Case

➤ UC-17: User edit existing shelters

**Requirements:** FR-17

**Actor:** Client

**Pre-Condition:** FR-11

**Trigger:** Client requests to adopt animal

**Main Success Scenario:**

1. Actor requests to adopt animal
2. Request sent to the admin page
3. End Use Case

**Extensions:** -



