

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	MoSCoW
FR-01: Admin can log in to desktop application	Must
FR-02: Admin can Log out from desktop application	Must
FR-03: User can add new animals	Must
FR-04: User can remove existing animals	Must
FR-05: User can view animals	Must
FR-06: User can edit animal information	Could
FR-07: User can add new shelters	Must
FR-08: User can remove existing shelters	Must
FR-09: User can view shelters	Must
FR-10: User can edit shelter information	Could
FR-11: User can view Customer adoption orders	Must
FR-12: User can Decline Customer's order	Must
FR-13: User can Accept Customer's order	Must

Web Application	MoSCoW
FR-14: Customer can Register an account to the website	Must
FR-15: Customer can log in to the website	Must
FR-16: Customer can search for animal by name	Must
FR-17: Customer can search for animal by shelters	Must
FR-18: Customer can search animals by species	Should
FR-19: Customer can view animal details	Must
FR-20: Customer can view Available Shelters	Must
FR-21: Customer can search specific shelter	Should
FR-22: Customer can do an Advanced Filter Search	Could
FR-23: Customer can request to adopt animal	Must

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: Admin logs in to desktop Application

Requirements: FR-01

Actor: Admin

Pre-Condition: Must have the admin login credentials

Trigger: Admin requests to add animals

Main Success Scenario:

1. System shows log in page
2. Actor fills in required parameter
3. Actor is logged in
4. End Use Case

2a. Extensions: credentials invalid

1. System display error message
2. Return to step 2

○ UC-02: Admin logs out of the desktop Application

Requirements: FR-02

Actor: Admin

Pre-Condition:-

Trigger: Admin requests to add animals

Main Success Scenario:

1. Actor clicks on log out button
2. Confirm choice
3. Actor is logged out
4. End Use Case

2a. Extensions: Actor cancels logging out

1. End Use Case

○ UC-03: User add new animals

Requirements: FR-03

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

2a. Extensions: Information does not fit the required parameter

1. System display error message
2. Return to step 2

○ UC-04: User remove existing animals

Requirements: FR-04

Actor: Admin

Pre-Condition: FR-03, must have at least 1 animal in the database

Trigger: Admin requests to remove animals

Main Success Scenario:

1. Actor selects the desired animal to be deleted
2. System shows confirmation message
3. Animal removed
4. End Use Case

○ UC-05: User view animal information

Requirements: FR-05

Actor: Admin

Pre-Condition: FR-03, must have at least 1 animal in the database

Trigger: Admin requests to view animal

Main Success Scenario:

1. Actor opens view animals tab
2. System shows animals
3. End Use case

○ UC-06: User edit existing animals

Requirements: FR-06

Actor: Admin

Pre-Condition: FR-03, must have at least 1 animal in the database

Trigger: Admin requests to edit animal information

Main Success Scenario:

1. Actor selects desired animal to be edited
2. Actor fills in required parameter
3. Animal edited
4. End Use Case

2a. Extensions: Information does not fit the required parameter

1. System display error message
2. Return to step 2

○ UC-07: User add new shelters

Requirements: FR-07

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

2a. Extensions: Information does not fit the required parameter

1. System display error message
2. Return to step 2

○ UC-08: User remove existing shelters

Requirements: FR-08

Actor: Admin

Pre-Condition: FR-07, must have at least 1 shelter in the database

Trigger: Admin requests to remove animals

Main Success Scenario:

1. Actor selects desired shelter to be removed
2. System shows confirmation message
3. Shelter removed
4. End Use Case

○ UC-09: User view shelter information

Requirements: FR-09

Actor: Admin

Pre-Condition: FR-03, must be at least 1 shelter in the database

Trigger: Admin requests to view shelter

Main Success Scenario:

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

○ UC-10: User edit existing shelters

Requirements: FR-10

Actor: Admin

Pre-Condition: FR-06, must have at least 1 shelter in the database

Trigger: Admin requests to edit animal information

Main Success Scenario:

1. Actor selects desired shelter to be edited
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. Return to step 2

○ UC-11: User view Adoption Requests

Requirements: FR-11

Actor: Admin

Pre-Condition: FR-23, Needs to have at least 1 adoption request

Trigger: Admin requests to view adoption requests

Main Success Scenario:

1. Admin requests to view customer's order
2. System shows customer's order
3. End Use Case

1a. Extensions: customers has no orders

1. System shows blank page
2. End use case

○ UC-12: User Declines Adoption Requests

Requirements: FR-12

Actor: Admin

Pre-Condition: FR-23, Needs to have at least 1 adoption request

Trigger: Admin declines adoption requests

Main Success Scenario:

1. Admin view customer's order
2. Admin declines the order
3. System deletes order
4. End Use Case

Extensions: -

○ UC-13: User Accepts Adoption Requests

Requirements: FR-13

Actor: Admin

Pre-Condition: FR-23, Needs to have at least 1 adoption request

Trigger: Admin accepts adoption requests

Main Success Scenario:

1. Admin view customer's order
2. Admin accepts order
3. System binds animal's data to customer's id
4. End Use Case

Extensions: -

❖ Website Use Cases

○ UC-14: Customer registers in to website

Requirements: FR-14

Actor: Customer

Pre-Condition: customer have email, username, password, first name, last name, address, birthdate (aged 12 or above)

Trigger: Customer requests to Register 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

2a. Extensions: Invalid parameters

1. System display error message
2. Return to step 2

○ UC-15: Customer logs in to website

Requirements: FR-15

Actor: Customer

Pre-Condition: Customer must be registered, customer have username and password **Trigger:** Customer 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: Credentials invalid

1. System display error message
2. Return to step 2

○ UC-16: Customer searches for animals by name

Requirements: FR-16

Actor: Customer

Pre-Condition: FR-15

Trigger: Customer searches for animals by name

Main Success Scenario:

1. Customer uses "Search by name" filter
2. Customer inputs name to search on search bar
3. Website shows animals that fits the specified name
4. End Use Case

Extensions: Specified animal cannot be found

1. Website shows nothing
2. End Use Case

○ UC-17: Customer searches animal by shelter

Requirements: FR-17

Actor: Customer

Pre-Condition: FR-15

Trigger: Customer searches for animals by shelter

Main Success Scenario:

1. Customer uses "Search by shelter" filter
2. Customer inputs name to search on search bar
3. Website shows animals that fits the specified shelter
4. End Use Case

Extensions: Specified animal cannot be found

1. Website shows nothing
2. End Use Case

○ UC-18: Customer searches animal by species

Requirements: FR-18

Actor: Customer

Pre-Condition: FR-15

Trigger: Customer searches for animals by name

Main Success Scenario:

1. Customer uses "Species filter" options
2. Customer clicks on search
3. Website shows animals that fits the specified species
4. End Use Case

Extensions: Specified animal cannot be found

1. Website shows nothing
2. End Use Case

○ UC-19: Customer view animal details

Requirements: FR-19

Actor: Customer

Pre-Condition: FR-15

Trigger: Customer requests to view animal's details

Main Success Scenario:

1. Customer clicks on view animal's details button
2. Website shows animal details page
3. End Use Case

Extensions: -

○ UC-20: Customer views available shelters

Requirements: FR-20

Actor: Customer

Pre-Condition: FR-15

Trigger: Customer requests to view available shelters

Main Success Scenario:

1. Customer opens Shelter tab

2. System shows available shelters
3. End Use Case

Extensions: -

○ UC-21: Customer searches for specific shelters

Requirements: FR-21

Actor: Customer

Pre-Condition: FR-15

Trigger: Customer searches for specific shelters

Main Success Scenario:

1. Customer inputs name to search on search bar
2. Website shows animals that fits the specified name
3. End Use Case

Extensions: Specified shelter cannot be found

1. Website shows nothing
2. End Use Case

○ UC-22: Customer uses advanced filter search

Requirements: FR-22

Actor: Customer

Pre-Condition: FR-15

Trigger: Customer requests to do an advanced filter search

Main Success Scenario:

1. Customer goes to advanced Filter page
2. Actor fills in the desired parameter
3. Website shows animals that meet the desired criteria
4. End Use Case

2a. Extensions: Parameter doesn't match

1. Website shows nothing
2. End Use Case

○ UC-23: Customer Requests to adopt animal

Requirements: FR-23

Actor: Customer

Pre-Condition: FR-15

Trigger: Customer requests to adopt animal

Main Success Scenario:

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