Zoo Bazaar URS

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**Agreements**:

* The project will include the development of a desktop and a web application to facilitate a seamless and rich user experience for the Zoo Bazaar platform.
* The system will provide different user profiles including HR, administrators, resource planners, caretakers, and vets, each having distinct roles and functionalities within the platform.
* The system will incorporate functionalities such as management of animals, animal cages, food, medicals and supplies as well as employees.

# **Functional & non-functional requirements**

**Functional requirements:**

FR-01

* **ID**: FR-01
* **Name**: Employee Account Creation
* **Constrains**: Only administrators and HR personnel can create new employee accounts. New employees cannot register themselves.

FR-02

* **ID**: FR-02
* **Name**: Employee Profile Management
* **Constrains**: Only administrators and HR personnel can update employee accounts. Employees cannot update their own accounts.

FR-03

* **ID**: FR-03
* **Name**: Task Assignment and Tracking
* **Constrains**: Tasks can be assigned to employees by administrators. Employees can mark tasks as completed but cannot modify the task details.

FR-04

* **ID**: FR-04
* **Name**: Animal/Animal Cell Registration
* **Constrains**: Only administrators and HR personnel can create new employee accounts. New employees cannot register themselves.

**Non-function requirements:**

NFR-01

* **ID**: NFR-01
* **Name**: User Interface Usability
* **Constrains**: The user interface should be intuitive and user-friendly, allowing employees to easily navigate and use the system without extensive training.

# **Use Cases**

**Register New Employee:**

*Actor*: Administrator/HR

*Pre-condition*: Actor logged in with administrative/HR privileges

*Main Succes Scenario*:

1. Actor navigates to the ‘’Employee Management” section.
2. Actor selects the “Register New Employee” option.
3. System displays a form requesting necessary employee details.
4. Actor fills in the employee details (name, position, contact information) and confirms.
5. System validates the information and creates a new employee profile.
6. System displays a confirmation message indicating that the profile has been successfully updated.

*Extensions*:

1. Some mandatory fields are left blank.
   1. System displays an error message indicating the missing information.
   2. Return to MSS step 4.

**Update Employee Profile:**

*Actor*: Administrator/HR

*Pre-condition*: Actor logged in with administrative/HR privileges

*Main Succes Scenario*:

1. Actor navigates to the ‘’Employee Management” section.
2. Actor selects an employee from the list.
3. System displays the employee’s current profile details.
4. Actor modifies the necessary fields (e.g., contact information, position, department) and confirms the changes.
5. System validates the updated information and saves the changes to the employee’s profile.
6. System displays a confirmation message indicating that the profile has been successfully updated.

*Extensions*:

1. Actor inputs invalid or incomplete details.
2. System displays an error message indicating the incorrect or missing information.
3. Return to MSS step 4.

**Remove Employee from System:**

*Actor*: Administrator/HR

*Pre-condition*: Actor logged in with administrative/HR privileges

*Main Succes Scenario*:

1. Actor navigates to the ‘’Employee Management” section.
2. Actor selects an employee from the list.
3. Actor chooses the “Remove Employee” option.
4. System prompts for confirmation to ensure the action is intentional.
5. Actor confirms the removal.
6. System removes the employee’s profile and all associated data from the system.
7. System displays a confirmation message indicating that the employee has been successfully removed.

**Assign Task to Employee:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the ‘’Task Management” section.
2. Actor selects an employee from the list.
3. Actor creates a new task by filling in task details (description, deadline) and confirms.
4. System assigns the task to the selected employee and updates their task list.

*Extensions*:

1. Actor does not select any employee.
   1. System displays an error message indicating that an employee must be selected.
   2. Return to MSS step 3.
2. Actor inputs invalid or incomplete task details.
   * + 1. System displays an error message indicating the

Incorrect or missing information.

* + - 1. Return to MSS step 4.

**Add New Zoo Sector to System:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Sector Management” section.
2. Actor selects the “Add New Sector” option.
3. System displays a form requesting necessary sector details (e.g., sector name, location, description).
4. Actor fills in the sector details and confirms the addition.
5. System validates the information and creates a new sector profile.
6. System displays a confirmation message indicating that the sector has been successfully added.

*Extensions*:

1. Actor inputs invalid or incomplete details.
   1. System displays an error message indicating the incorrect or missing information.
   2. Return to MSS step 4.

**Update Zoo Sector Profile:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Sector Management” section.
2. Actor selects a sector from the list.
3. System displays the sector’s current profile details.
4. Actor modifies the necessary fields and confirms the changes.
5. System validates the updated information and saves the changes to the sector’s profile.
6. System displays a confirmation message indicating that the sector has been successfully updated.

*Extensions*:

1. Actor inputs invalid or incomplete details.
   1. System displays an error message indicating the incorrect or missing information.
   2. Return to MSS step 4.

**Add New Animal Cage to System:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Sector Management” section.
2. Actor selects a sector from the list.
3. Actor chooses the “Remove Sector” option.
4. System prompts for confirmation to ensure the action is intentional.
5. Actor confirms the removal.
6. System removes the sector’s profile and all associated data from the system.
7. System displays a confirmation message indicating that the sector has been successfully removed.

**Add New Animal Cage to System:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Cage Management” section.
2. Actor selects the “Add New Cage” option.
3. System displays a form requesting necessary cage details (e.g., cage type, size, location, suitable animal species).
4. Actor fills in the cage details and confirms the addition.
5. System validates the information and creates a new cage profile.
6. System displays a confirmation message indicating that the cage has been successfully added.

*Extensions*:

1. Actor inputs invalid or incomplete details.
   1. System displays an error message indicating the incorrect or missing information.
   2. Return to MSS step 4.

**Update Animal Cage Profile:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Cage Management” section.
2. Actor selects a cage from the list.
3. System displays the cage’s current profile details.
4. Actor modifies the necessary fields and confirms the changes.
5. System validates the updated information and saves the changes to the cage’s profile.
6. System displays a confirmation message indicating that the cage profile has been successfully updated.

*Extensions*:

1. Actor inputs invalid or incomplete details.
   1. System displays an error message indicating the incorrect or missing information.
   2. Return to MSS step 4.

**Remove Animal Cage from System:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Cage Management” section.
2. Actor selects a cage from the list.
3. Actor chooses the “Remove Cage” option.
4. System prompts for confirmation to ensure the action is intentional.
5. Actor confirms the removal.
6. System removes the cage’s profile and all associated data from the system.
7. System displays a confirmation message indicating that the cage has been successfully removed.

**Add New Animal to System:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Animal Management” section.
2. Actor selects the “Add New Animal” option.
3. System displays a form requesting necessary animal details (e.g., species, age, habitat, diet).
4. Actor fills in the animal details and confirms the addition.
5. System validates the information and creates a new animal profile.
6. System displays a confirmation message indicating that the animal has been successfully added.

*Extensions*:

1. Actor inputs invalid or incomplete details.
   1. System displays an error message indicating the incorrect or missing information.
   2. Return to MSS step 4.

**Update Animal Profile:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Animal Management” section.
2. Actor selects an animal from the list.
3. System displays the animal’s current profile details.
4. Actor modifies the necessary fields (e.g., age, diet, health status) and confirms the changes.
5. System validates the updated information and saves the changes to the animal’s profile.
6. System displays a confirmation message indicating that the animal profile has been successfully updated.

*Extensions*:

1. Actor inputs invalid or incomplete details.
2. System displays an error message indicating the incorrect or missing information.
3. Return to MSS step 4.

**Remove Animal from System:**

*Actor*: Administrator

*Pre-condition*: Actor logged in with administrative privileges

*Main Succes Scenario*:

1. Actor navigates to the “Animal Management” section.
2. Actor selects an animal from the list.
3. Actor chooses the “Remove Animal” option.
4. System prompts for confirmation to ensure the action is intentional.
5. Actor confirms the removal.
6. System removes the animal’s profile and all associated data from the system.
7. System displays a confirmation message indicating that the animal has been successfully removed.

**Add New Animal Medical Report:**

*Actor*: Veterinarian

*Pre-condition*: Actor logged in with veterinarian privileges

*Main Succes Scenario*:

1. Actor navigates to the “Animal Management” section.
2. Actor selects an animal from the list.
3. Actor chooses the “Add New Medical Report” option.
4. System displays a form requesting necessary medical report details (e.g., date, diagnosis, treatment, medications, notes).
5. Actor fills in the medical report details and confirms the addition.
6. System validates the information and creates a new medical report for the selected animal.
7. System displays a confirmation message indicating that the medical report has been successfully added.

*Extensions*:

1. Actor inputs invalid or incomplete details.
   1. System displays an error message indicating the incorrect or missing information.
   2. Return to MSS step 5.

**Update Animal Medical Report:**

*Actor*: Veterinarian

*Pre-condition*: Actor logged in with veterinarian privileges

*Main Succes Scenario*:

1. Actor navigates to the “Animal Management” section.
2. Actor selects an animal from the list.
3. Actor chooses a medical report from the animal’s medical history.
4. System displays the medical report’s current details.
5. Actor modifies the necessary fields and confirms the changes.
6. System validates the updated information and saves the changes to the medical report.
7. System displays a confirmation message indicating that the medical report has been successfully updated.

*Extensions*:

1. Actor inputs invalid or incomplete details.
   1. System displays an error message indicating the incorrect or missing information.
   2. Return to MSS step 5.

**Remove Animal Medical Report:**

*Actor*: Veterinarian

*Pre-condition*: Actor logged in with veterinarian privileges

*Main Succes Scenario*:

1. Actor navigates to the “Animal Management” section.
2. Actor selects an animal from the list.
3. Actor chooses a medical report from the animal’s medical history.
4. Actor selects the “Remove Medical Report” option.
5. System prompts for confirmation to ensure the action is intentional.
6. Actor confirms the removal.
7. System removes the selected medical report from the animal’s medical history.
8. System displays a confirmation message indicating that the medical report has been successfully removed.