

Red Panda's  
Test Plan for the Zoo Bazaar



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# Test Cases

## TC1. Employee Creation valid Data

Objective: Verify that administrators can successfully create a new employee record.

Preconditions:

- The administrator is logged into the system.

Test Steps:

- 1.1 Navigate to Dashboard.
- 1.2 Select the employee section at the left side.
- 1.3 Select "New".
- 1.4 Input valid personal information, contact details, job title etc.
- 1.5 Categorise the employee based on roles and responsibilities.
- 1.6 Save the employee record.

Test data:

### Employee Details

### Contract Details

Name: John	Start Date:20/06/2024 End Date:20/06/2030
Email: john@gmail.com	Role: Administrator
Phone number:+31617345834	Bank number: ASNB34582638377 Salary: 18 Hours per week: 40 Work Days: 6
Address: Rachelsmolen 10, Eindhoven	BSN: 746284772
Username: John31	Day Shifts: yes Night Shifts:yes Overtime:yes Change Shifts:yes
Password: jh12345678	Paid Leave Days: 0 Unpaid Leave Days:0
Date of Birth: 31.12.1990	Notes: test
Notes: test	ContractType: FixedTerm

Expected Result: The system saves the new employee record, and it appears in the Dashboard.

## TC2. Employee Creation Invalid Data

Objective: Verify that administrators can successfully create a new employee record.

Preconditions:

- The administrator is logged into the system.

Test Steps:

- 2.1 Navigate to Dashboard.
- 2.2 Select the employee section at the left side.
- 2.3 Select “New”
- 2.4 Input invalid personal information, contact details, job title, and assigned tasks.
- 2.5 Categorise the employee based on roles and responsibilities.
- 2.6 The Admin is unable to Save the employee record.

Test Data:

Employee Details	Contract Details
Name: Nuno	Start Date: End Date:
Email: nunodiaaas@gmail.com	Role:
Phone number: +31637489587	Bank number: Salary: Hours per week: Work Days:
Address: Rachelsmolen 10, Eindhoven	BSN:
Username: Nuno!	Day Shifts: Night Shifts: Overtime: Change Shifts:
Password:	Paid Leave Days: Unpaid Leave Days:
Date of Birth:	Notes:
Notes:	ContractType:

Expected Result: The system is not able to save the new employee record and shows the error messages. The Actor stays on the same form.

## TC3. Employee Reading Valid Data

Objective: Verify that administrators can successfully read the data of an employee.

Preconditions:

- The administrator is logged into the system.
- There is at least one Employee record to read from.

Test Steps:

- 3.1 Navigate to Dashboard.
- 3.2 Select the employee in the dropbox.
- 3.3 Select the "View" option.
- 3.4 The system shows valid personal information, contact details, job title, and assigned tasks.
- 3.5 The system shows the employee's category based on their roles and responsibilities.
- 3.6 Closes the employee records.

Test Data:

Select "John".

Expected Result: The system shows the employee record, and it appears in the employee list.

## TC4. Employee Reading Invalid Data

Objective: Verify that administrators can successfully read the data of an employee.

Preconditions:

- The administrator is logged into the system.
- There is at least one Employee record to read from.

Test Steps:

- 4.1 Navigate to Dashboard.
- 4.2 Select the employee section.
- 4.3 Select the "View" option.
- 4.4 The system shows an error message that the employee is not selected.
- 4.5 Go to step 3.2.

Expected Result: The system showed the error message to help the user.

## TC5. Employee Update Valid Data

Objective: Verify that administrators can successfully update the data of an employee.

Preconditions:

- The administrator is logged into the system.
- There is at least one Employee record to read from.

#### Test Steps:

- 5.1 Navigate to Dashboard.
- 5.2 Select the employee section.
- 5.3 Select the employee in the dropdown.
- 5.4 Select the "Update" option.
- 5.5 The system shows the employee-manager form with the personal information, contact details, job title etc.
- 5.6 Change valid information
- 5.7 Click save
- 5.8 Closes the employee records
- 5.9 The Selected employees details are updated
- 5.10 Closes the employee records

#### Test data:

Employee Details	Contract Details
Name: John	Start Date:20/06/2024 End Date:20/06/2030
Email: john@gmail.com	Role: Administrator
Phone number:+31617345834	Bank number: ASNB34582638377 Salary: 18 Hours per week: 40 Work Days: 6
Address: Rachelsmolen 10, Eindhoven	BSN: 746284772
Username: John28	Day Shifts: yes Night Shifts:yes Overtime:yes Change Shifts:yes
Password: jh12345678	Paid Leave Days: 0 Unpaid Leave Days:0
Date of Birth: 31.12.1990	Notes: test
Notes: test	ContractType: FixedTerm

Expected Result: The system showed the selected employee record, and it appeared in the employee list after successfully being updated.

## TC6. Employee Update Invalid Data

Objective: Verify that administrators can successfully update the data of an employee.

#### Preconditions:

- The administrator is logged into the system.

- There is at least one Employee record to read from.

#### Test Steps:

- 6.1 Navigate to Dashboard.
- 6.2 Select the employee section.
- 6.3 Select the employee in the dropbox.
- 6.4 Select the "Edit" option.
- 6.5 The system shows the employee-manager form with the personal information, contact details, job title, and assigned tasks of the selected employee.
- 6.6 The system shows the employee's category based on their roles and responsibilities.
- 6.7 Change valid information.
- 6.8 Click save
- 6.9 The Selected employee's details are not updated correctly
- 6.10 Closes the employee records

#### Test data:

##### Employee Details

##### Contract Details

Name: John	Start Date:20/06/2024 End Date:20/06/2030
Email: john@gmail.com	Role: Administrator
Phone number:+31617345834	Bank number: ASNB34582638377 Salary: 18 Hours per week: 40 Work Days: 6
Address: Rachelsmolen 10, Eindhoven	BSN: 746284772
Username:	Day Shifts: yes Night Shifts:yes Overtime:yes Change Shifts:yes
Password: jh12345678	Paid Leave Days: 0 Unpaid Leave Days:0
Date of Birth: 31.12.1990	Notes: test
Notes: test	ContractType: FixedTerm

Expected Result: The system showed the error message, that it is not able to save the employee.

## TC7. Employee Delete Valid Data

Objective: Verify that administrators can successfully delete the data of an employee.

#### Preconditions:

- The administrator is logged into the system.

- There is at least one Employee record to read from.

Test Steps:

- 7.1 Navigate to Dashboard.
- 7.2 Select the employee section.
- 7.3 Select the employee in the dropbox.
- 7.4 Select "Delete"
- 7.5 The system Deletes the selected employee and all their data
- 7.6 Closes the employee records

Test Data:

Select "John".

Expected Result: The system has successfully deleted the selected employee and all their data.

## TC8. Employee Delete Invalid Data

Objective: Verify that administrators can successfully delete the data of an employee.

Preconditions:

- The administrator is logged into the system.
- There is at least one Employee record to read from.

Test Steps:

- 8.1 Navigate to Dashboard.
- 8.2 Select the employee section.
- 8.3 Select "Delete"

Expected Result: The system wasn't able to find the selected employee to delete the employee and all their data, and shows the error message. Go to step 7.3

## TC9. Delete Employee with Tasks

Objective: Verify that administrators can successfully delete the data of an employee.

Preconditions:

- The administrator is logged into the system.
- There is at least one Employee record to read from.

Test Steps:

- 9.1 Navigate to Dashboard.
- 9.2 Select the employee section.
- 9.3 Select the employee in the dropbox.
- 9.4 Select "Delete"
- 9.5 The system is unable to delete the selected employee and shows a message saying the Employee still has Tasks associated with them

Expected Result: The system wasn't able to delete the selected employee

## TC10. Employees valid Login

Objective: Verify that the employee can successfully log in to the Web application

Preconditions:

- The employee has an email and password

Test Steps:

- 10.1 Navigate to Login.
- 10.2 Input valid email.
- 10.3 Input valid password.
- 10.4 Select the "login" option.
- 10.5 The system navigates to the Main Page.

Expected Result: The system successfully logs in the employee.

## TC11. Employees invalid Login

Objective: Verify that the employee can successfully log in to the Web application

Preconditions:

- The employee has an email and password

Test Steps:

- 11.1 Navigate to Login.
- 11.2 Input invalid email.
- 11.3 Input invalid password.
- 11.4 Select the "login" option.
- 11.5 The system is unable to log in the user and shows the error message.
- 11.6 The system asks to try a different password and login.



11.7 Try until successful.

Expected Result: The system failed to log.

## TC12. Admin valid Login

Objective: Verify that the admin can successfully log in to the application

Preconditions:

- The admin has a username and password.

Test Steps:

- 12.1 Navigate to Login.
- 12.2 Input valid username
- 12.3 Input valid password
- 12.4 Select the "login" option.
- 12.5 The system navigates to Dashboard.

Expected Result: The system successfully logs in the admin.

## TC13. Admin invalid Login

Objective: Verify that the admin can successfully log in to the application

Preconditions:

- The admin has a username and password

Test Steps:

- 13.1 Navigate to Login.
- 13.2 Input invalid username
- 13.3 Input invalid password
- 13.4 Select the "login" option.
- 13.5 The system is unable to log in the user.
- 13.6 The system asks to try a different password and login.
- 13.7 Try until successful.

Expected Result: The system failed to log in the admin.

## TC14. Task Creation valid Data

Objective: Verify that administrators can successfully create a new task record.

Preconditions:

- The administrator is logged into the system.

Test Steps:

- 14.1. Navigate to Dashboard.
- 14.2. Select the "Task" section.
- 14.3. Select "New".
- 14.4. Input valid information: location, time, deadline, list of employees, etc.
- 14.5. Save the task record.

Test Data:

Task

Title: Clean Red Panda Description: Clean the area of red panda Location: Zoo Start: 26/06/2024 Duration: 2 Repeat: Daily Employees: PedroTheAdmin Day task: yes Night task: no
---

Expected Result: The system saves the new task record, and it appears in the task list.

## TC15. Task Creation Invalid Data

Objective: Verify that administrators can successfully create a new task record.

Preconditions:

- The administrator is logged into the system.

Test Steps:

- 15.1. Navigate to Dashboard.
- 15.2. Select the task section.
- 15.3. Select "New".
- 15.4. Input invalid information: location, time, deadline, list of employees etc.
- 15.5. The Admin is unable to Save the task record.

Test Data:

Task

Title: Clean Red Panda Description: Clean the area of red panda Start: 26/06/2024 Duration: 2 Location: Repeat: Daily Employees: PedroTheAdmin Day task: yes Night task: no
---

Expected Result: The system is not able to save the new task record, and shows the error message. Go to step 14.4

## TC16. Task Reading Valid Data

Objective: Verify that administrators can successfully read the data of a task.

Preconditions:

- The administrator is logged into the system.
- There is at least one Task record to read from.

Test Steps:

- 16.1. Navigate to Dashboard.
- 16.2. Select the task section.
- 16.3. Select the task in the dropbox.
- 16.4. Select the "View" option.
- 16.5. The system shows invalid information: location, time, deadline, list of employees etc.
- 16.6. Closes the task records.

Test Data:

Select "Clean The Area".

Expected Result: The system successfully shows the task record.

## TC17. Task Reading Invalid Data

Objective: Verify that administrators can successfully read the data of a task.

Preconditions:

- The administrator is logged into the system.
- There is at least one Task record to read from.

#### Test Steps:

- 17.1. Navigate to Dashboard.
- 17.2. Select the task section
- 17.3. Select the "View" option.

Expected Result: The system shows the error message that the task is not selected. Go to step 16.3.

## TC18. Task Update Valid Data

Objective: Verify that administrators can successfully update the data of a task.

#### Preconditions:

- The administrator is logged into the system.
- There is at least one task record to update.

#### Test Steps:

- 18.1. Navigate to Dashboard.
- 18.2. Select the task section.
- 18.3. Select the Task in the dropbox.
- 18.4. Select the "Edit" option.
- 18.5. The system shows the task-manager form with the information: location, time, deadline, list of employees etc.
- 18.6. Change valid information.
- 18.7. Click save.
- 18.8. Closes the task records.
- 18.9. The Selected task details are updated
- 18.10. Closes the task records

#### Test Data:

##### Task

Title: Clean Red Panda Description: Clean the area of red panda Start: 26/07/2024 Duration: 2 Location: Zoo Repeat: Daily Employees: PedroTheAdmin Day task: yes Night task: no
---

Expected Result: The system showed the selected task record, and it appeared in the task list after successfully being updated.

## TC19. Task Update Invalid Data

Objective: Verify that administrators can successfully update the data of a task.

Preconditions:

- The administrator is logged into the system.
- There is at least one task record up to date from.

Test Steps:

- 19.1. Navigate to Dashboard.
- 19.2. Select the task section.
- 19.3. Select the task in the dropbox.
- 19.4. Select the "Edit" option.
- 19.5. The system shows the task-manager form with the information: location, time, deadline, list of employees etc.
- 19.6. Change valid information
- 19.7. Click save
- 19.8. Closes the task records
- 19.9. The Selected task's details are not updated correctly.

Test Data:

Task

Title: Clean Red Panda Description: Start: 26/06/2024 Duration: 2 Location: Repeat: Daily Employees: PedroTheAdmin Day task: yes Night task: no
---

Expected Result: The system shows the error message to navigate the user to correct it. Go to step 18.6.

## TC20. Task Delete Valid Data

Objective: Verify that administrators can successfully delete the data of an employee.

Preconditions:

- The administrator is logged into the system.
- There is at least one Task record to read from.

Test Steps:

- 20.1. Navigate to Dashboard.
- 20.2. Select the task section.

- 20.3. Select the Task in the dropbox.
- 20.4. Select "Delete"
- 20.5. The system Deletes the selected task and all their data
- 20.6. Closes the task records

Test Data:

Select "Clean The Area" task.

Expected Result: The system has successfully deleted the selected task and all their data.

## TC21. Task Delete Invalid Data

Objective: Verify that administrators can successfully delete the data of a task.

Preconditions:

- The administrator is logged into the system.
- There is at least one Task record to delete from.

Test Steps:

- 21.1. Go to the task section.
- 21.2. Select "Delete".
- 21.3. The system is unable to delete because the task was not selected.

Expected Result: The system wasn't able to delete and shows the error message. Go to step 20.3.

## TC22. Location Creation Valid Data

Objective: Verify that the administrator can successfully create a new location record.

Preconditions:

- The administrator is logged into the system.

Test Steps:

- 22.1. Navigate to Dashboard.
- 22.2. Go to the location section.
- 22.3. Click "New".
- 22.4. Input valid location information
- 22.5. Save the location.

Data Test:

## Location

Name: Location of the Red Pandas Capacity: 4 Species: Red Panda Danger level: ExtremeDanger Description: test List of Animals: Rob
---

Expected Result: The system saves the new location record.

## TC23. Location Creation Invalid Data

Objective: Verify that the administrator can successfully create a new location record.

Preconditions:

- The administrator is logged into the system.

Test Steps:

- 23.1 Navigate to Dashboard.
- 23.2 Select "Location"
- 23.3 System navigates to Location.
- 23.4 Input invalid location information
- 23.5 Unable to save the location record due to invalid data.

Data Test:

## Location

Name: Capacity: 4 Species: Red Panda Danger level: ExtremeDanger Description: test List of Animals: Rob
--

Expected Result: The system is unable to save the new location record and shows the error message to navigate the user.

## TC24. Location Reading Valid Data

Objective: Verify that administrators can successfully read the data of a location.

Preconditions:

- The administrator is logged into the system.
- There is at least one Location record to read from.

#### Test Steps:

- 24.1 Navigate to Dashboard.
- 24.2 Select the "Location" section.
- 24.3 Select the location in the Locations dropbox.
- 24.4 The system shows location information.
- 24.5 Close locations

#### Test Data:

Select "Location of the Red Pandas"

Expected Result: The system shows the location record.

## TC25. Location Update Valid Data

Objective: Verify that administrators can successfully update the data of a location.

#### Preconditions:

- The administrator is logged into the system.
- There is at least one Location record to read from.

#### Test Steps:

- 25.1 Navigate to Dashboard.
- 25.2 Navigate to the Location section.
- 25.3 The system shows the location from
- 25.4 Select a location in the Locations dropbox
- 25.5 The system shows the data of the selected location
- 25.6 Change valid information
- 25.7 Click save
- 25.8 Closes the Location form
- 25.9 The Selected location details are updated

#### Data Test:

##### Location

Name: Location of the Red Pandas Capacity: 6 Species: Red Panda Danger level: ExtremeDanger Description: test List of Animals: Rob
---

Expected Result: The system displayed the data of a selected location and successfully updated it.



## TC26. Location Update Invalid Data

Objective: Verify that administrators can successfully read the data of a location.

Preconditions:

- The administrator is logged into the system.
- There is at least one Location record to read from.

Test Steps:

- 26.1 Navigate to Dashboard.
- 26.2 Navigate to the Location section.
- 26.3 The system shows the location from
- 26.4 Select a location in the Locations dropdown.
- 26.5 Input new data.
- 26.6 The system is unable to save the data of the selected location.

Data Test:

Location

Name: Location of the Red Pandas Capacity: 6 Species: Red Panda Danger level: ExtremeDanger Description: List of Animals: Rob
--

Expected Result: The system is unable to save the location, displays the error message. Go to step 25.6.

## TC27. Location Delete Valid Data

Objective: Verify that administrators can successfully read the data of a location.

Preconditions:

- The administrator is logged into the system.
- There is at least one Location record to read from.

Test Steps:

- 27.1 Navigate to Dashboard.
- 27.2 Navigate to Location.
- 27.3 Select a location in the Locations dropdown.
- 27.4 The system shows the data of the selected location.

- 27.5 Select "Delete"
- 27.6 The system deletes the location data.
- 27.7 The Selected location details are deleted.

Test Data:

Select "Zoo" location.

Expected Result: The system deletes the data of a selected location.

## TC28. Location Delete Invalid Data

Objective: Verify that administrators can successfully read the data of a location.

Preconditions:

- The administrator is logged into the system.
- There is at least one Location record to read from.

Test Steps:

- 28.1 Navigate to Dashboard.
- 28.2 Navigate to Location.
- 28.3 Select a location in the Locations dropdown.
- 28.4 The system shows the data of the selected location
- 28.5 Select "Delete"
- 28.6 The system is unable to delete the location data.
- 28.7 The Selected location details are not deleted.

Test Data:

Select "Location of the Red Pandas"

Expected Result: The system is not able to delete the data of a selected location and shows the error message (the location still has animals).

## TC29. Animal Creation Valid Data

Objective: Ensure administrators can successfully create animal records.

Preconditions:

- The administrator is logged into the system.

Test Steps:

- 29.1 Navigate to the Animal section.
- 29.2 Click the "New" option.

- 29.3 Input valid personal information, medical details,diet, lineage, etc.
- 29.4 Save the record.

Test Data:

Animal

Main info Feeding Plan Medical Record

Name: Rob Entry: 26/06/2024 Exit: 26/06/2025 Birthday: 20/09/2020 Species: Red Panda Origin: test Location: Location of the Red Pandas. BloodType: A_POS Relations:	Feeds per Day: 2 Favourite food: test Disliked food: test Diet: test Allergies: Other Calories Intake:111 Weight: 5 Ideal Weight: 5 Notes: test	Allergies: test Injuries: test Diseases:test Operations: test Notes: test Medication: test Danger lvl: ExtremeDanger
---	---	--

Expected Result: The system saves the animal record and it appears in the Dashboard.

## TC30. Animal Creation Invalid Data

Objective: Ensure administrators can successfully create animal records.

Preconditions:

- The administrator is logged into the system.

Test Steps:

- 30.1 Select the Animal section.
- 30.2 Click the "New" option.
- 30.3 Input invalid personal information, medical details,diet, lineage, etc.
- 30.4 Try to save the record.

Test Data:

Animal

Main info Feeding Plan Medical Record

Name: Entry: 26/06/2024 Exit: 26/06/2025 Birthday: 20/09/2020 Species: Red Panda Origin: test Location: Location of the Red Pandas. BloodType: A_POS Relations:	Feeds per Day: 2 Favourite food: test Disliked food: test Diet: test Allergies: Other Calories Intake:111 Weight: 5 Ideal Weight: 5 Notes: test	Allergies: test Injuries: test Diseases:test Operations: test Notes: test Medication: test Danger lvl: ExtremeDanger
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Expected Result: The system does not save the animal record and it does not appear in the Dashboard. Instead a message is shown informing the user of what information is wrong. Go to step 29.3.

## TC31. Animal Reading Valid Data

Objective: Verify that administrators can successfully read the data of an animal.

Preconditions:

- The administrator is logged into the system.
- There is at least one Animal record to read from.

Test Steps:

- 31.1 Navigate to Dashboard.
- 31.2 Select the animal section.
- 31.3 Select an animal from the dropbox.
- 31.4 Select the "View" option.
- 31.5 The system shows the corresponding information.
- 31.6 Closes the animal records

Test Data:

Select "Rob"

Expected Result: The system shows the animal record.

## TC32. Animal Update Valid Data

Objective: Verify that administrators can successfully update the data of an animal.

Preconditions:

- The administrator is logged into the system.
- There is at least one animal record to read from.

Test Steps:

- 32.1 Navigate to Dashboard.
- 32.2 Select the animal section.
- 32.3 Select an animal in the listbox.
- 32.4 Select the "Edit" option.
- 32.5 The system shows the animal form with the relevant information
- 32.6 User changes the valid information
- 32.7 Click save
- 32.8 The Selected animals details are updated
- 32.9 Close the form

Test Data:

## Animal

### Main info

Name: Kim  
Entry: 26/06/2024  
Exit: 26/06/2025  
Birthday: 20/09/2020  
Species: Red Panda  
Origin: test  
Location: Location of the Red Pandas.  
BloodType: A\_POS  
Relations:

### Feeding Plan

Feeds per Day: 2  
Favourite food: test  
Disliked food: test  
Diet: test  
Allergies: Other  
Calories Intake:111  
Weight: 5  
Ideal Weight: 5  
Notes: test

### Medical Record

Allergies: test  
Injuries: test  
Diseases: test  
Operations: test  
Notes: test  
Medication: test  
Danger lvl: ExtremeDanger

Expected Result: The system saved the selected animal record, and it appeared in the animal list after successfully being updated.

## TC33. Animal Update Invalid Data

Objective: Verify that administrators can successfully update the data of an animal.

Preconditions:

- The administrator is logged into the system.
- There is at least one animal record to read from.

Test Steps:

- 33.1 Navigate to Dashboard.
- 33.2 Select the animal section.
- 33.3 Select an animal from the dropdown.
- 33.4 Select the "Edit" option.
- 33.5 The system shows the animal form with the relevant information
- 33.6 User changes the information
- 33.7 Click save
- 33.8 The system shows the user a message complaining that the data is invalid.

Test Data:

## Animal

### Main info

Name:  
Entry: 26/06/2024  
Exit: 26/06/2025  
Birthday: 20/09/2020  
Species: Red Panda  
Origin: test  
Location: Location of the Red Pandas.  
BloodType: A\_POS  
Relations:

### Feeding Plan

Feeds per Day: 2  
Favourite food: test  
Disliked food: test  
Diet: test  
Allergies: Other  
Calories Intake:111  
Weight: 5  
Ideal Weight: 5  
Notes: test

### Medical Record

Allergies: test  
Injuries: test  
Diseases: test  
Operations: test  
Notes: test  
Medication: test  
Danger lvl: ExtremeDanger

Expected Result: The system showed the error message to navigate the user. Go to step 32.6.

## TC34. Animal Delete Valid Data

Objective: Verify that administrators can successfully delete the data of an animal.

Preconditions:

- The administrator is logged into the system.
- There is at least one animal record to read from.

Test Steps:

- 34.1 Navigate to Dashboard.
- 34.2 Select the animal section.
- 34.3 Select an animal in the listbox.
- 34.4 Select "Delete"
- 34.5 The system Deletes the selected animal and all their data, it disappears from the List.

Test Data:

Select "Rob".

Expected Result: The system has successfully deleted the selected animal and all their data.

## TC35. Animal Delete Invalid Animal

Objective: Verify that administrators can successfully read the data of an animal.

Preconditions:

- The administrator is logged into the system.
- There is at least one animal record to read from with associated tasks.

Test Steps:

- 35.1 Navigate to Dashboard.
- 35.2 Select the Animal section.
- 35.3 Select "Delete".
- 35.4 The system is unable to delete, because the animal was not selected.

Expected Result: The system shows the error message to navigate the user. Go to step 34.3.