Group 4 - Test Report

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| Test Case | Name | Objective | Expected Result | Actual Result | Pass or Fail |
| TC 1 | Employee Creation valid Data | Verify that administrators can successfully create a new employee record. | The system saves the new employee record, and it appears in the Dashboard. | Employee is not added and does not appear on the dashboard | Fail |
| TC 2 | Employee Creation Invalid Data | Verify that administrators can successfully create a new employee record. | The system is not able to save the new employee record, and it does not appear in the employee list. | The system is not able to save the new employee record, and it does not appear in the employee list. | Pass |
| TC 3 | Employee Reading Valid Data | Verify that administrators can successfully read the data of an employee. | The system shows the employee record, and it appears in the employee list. | The system shows the employee record, and it appears in the employee list. | Pass |
| TC 4 | Employee Reading Invalid Data | Verify that administrators can successfully read the data of an employee. | The system showed the wrong employee record, and it appears in the employee list. | The system shows the employee record, and it appears in the employee list. | Pass |
| TC 5 | Employee Update Valid Data | Verify that administrators can successfully update the data of an employee. | The system showed the selected employee record, and it appeared in the employee list after successfully being updated. | Name does not get updated | Fail |
| TC 6 | Employee Update Invalid Data | Verify that administrators can successfully update the data of an employee | The system showed the selected employee record, and it appeared in the employee list with the same old details. | The system showed the selected employee record, and it appeared in the employee list with the same old details. | Pass |
| TC 7 | Employee Delete Valid Data | Verify that administrators can successfully delete the data of an employee. | The system has successfully delete the selected employee and all their data. | The system has successfully delete the selected employee and all their data. | Pass |
| TC 8 | Employee Delete Invalid Data | Verify that administrators can successfully delete the data of an employee. | The system wasn’t able to find the selected employee to delete the employee and all their data. | System does not do anything | Pass |
| TC 9 | Delete Employee with Tasks | Verify that administrators can successfully delete the data of an employee. | The system wasn’t able to delete the selected employee | System deletes any employee I select | Fail |
| TC 10 | Employees valid Login | Verify that the employee can successfully log in to the application | The system successfully logs in the employee and allows them to use the schedule. | System logs in successfully | Pass |
| TC 11 | Employees invalid Login | Verify that the employee can successfully log in to the application | The system failed to log in the employee and allow them to use the schedule. | System does not login | Pass |
| TC 12 | Admin valid Login | Verify that the admin can successfully log in to the application | The system successfully logs in the admin and allows them to use the schedule. | System logs in successfully | Pass |
| TC 13 | Admin invalid Login | Verify that the admin can successfully log in to the application | The system failed to log in the admin and allow them to use the schedule. | System does not login | Pass |
| TC 14 | Task Creation valid Data | Verify that administrators can successfully create a new task record. | The system saves the new task record, and it appears in the task list. | Non-executable due to non-existent tasks |  |
| TC 15 | Task Creation Invalid Data | Verify that administrators can successfully create a new task record. | The system is not able to save the new task record, and it does not appear in the task list. | Non-executable |  |
| TC 16 | Task Reading Valid Data | Verify that administrators can successfully read the data of a task. | The system shows the task record, and it appears in the task list. | Non-executable |  |
| TC 17 | Task Reading Invalid Data | Verify that administrators can successfully read the data of a task. | The system showed the wrong task record, and it appears in the task list. | Non-executable |  |
| TC 18 | Task Update Valid Data | Verify that administrators can successfully update the data of a task | The system showed the selected task record, and it appeared in the task list after successfully being updated. | Non-executable |  |
| TC 19 | Task Update Invalid Data | Verify that administrators can successfully update the data of a task. | The system showed the selected task record, and it appeared in the task list with the same old details. | Non-executable |  |
| TC 20 | Task Delete Valid Data | Verify that administrators can successfully delete the data of an employee. | The system has successfully delete the selected task and all their data. | Non-executable |  |
| TC 21 | Task Delete Invalid Data | Verify that administrators can successfully delete the data of a task. | The system wasn’t able to find the selected task to delete the task and all their data. | Non-executable |  |
| TC 22 | Location creation valid data | Verify that the administrator can successfully create a new location record. | The system saves the new location record | The system does save the new location | Pass |
| TC 23 | Location Creation Invalid Data | Verify that the administrator can successfully create a new location record | The system is unable to save the new location record. | The system did not save the invalid location data. | Pass |
| TC 24 | Location Reading Valid Data | Verify that administrators can successfully read the data of a location | The system shows the location record | The system shows the location data but only on the ones created, and not preset. | Pass |
| TC 25 | Location Update Valid Data | Verify that administrators can successfully read the data of a location | The system displayed the data of a selected location and successfully updated it. | The system displayed the selected data and updated it successfully | Pass |
| TC 26 | Location Update Invalid Data | Verify that administrators can successfully read the data of a location. | The system is unable to display the data of a selected location and is unable to update it. | Instructions unclear |  |
| TC 27 | Location Delete Valid Data | Verify that administrators can successfully read the data of a location. | The system deletes the data of a selected location | The system successfully deleted the location | Pass |
| TC 28 | Location Delete Invalid Date | Verify that administrators can successfully read the data of a location | The system is not able to delete the data of a selected location. | Instructions unclear |  |
| TC 29 | Animal Creation Valid Data | Ensure administrators can successfully create animal records | The system saves the animal record and it appears in the Dashboard. | Animal created but not visible. | Fail |
| TC 30 | Animal Creation Invalid Data | Ensure administrators can successfully create animal records | 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. | An error appears without specifying what is wrong. | Pass |
| TC 31 | Animal Reading Valid Data | Verify that administrators can successfully read the data of an animal. | The system shows the animal record | The system does show the animal record | Pass |
| TC 32 | Animal Update Valid Data | Verify that administrators can successfully update the data of an animal | The system saved the selected animal record, and it appeared in the animal list after successfully being updated | Some data is saved, others not. Specifically when editing the name a new animal is created with the same old name. | Fail |
| TC 33 | Animal Update Invalid Data | Verify that administrators can successfully update the data of an animal | The system showed the selected animal record, and it appeared in the animal list with the same old details | No, an error appears, valid data must be entered | Fail |
| TC 34 | Animal Delete Valid Data | Verify that administrators can successfully delete the data of an animal. | The system has successfully deleted the selected animal and all their data. | The system does delete the animal and their data | Pass |
| TC 35 | Animal Delete Invalid Animal | Verify that administrators can successfully read the data of an animal. | The system wasn’t able to delete the animal and all their data | The system does delete the animal | Fail |

**Test Report Summary:**

The testing phase encompassed various functionalities within the system, including employee management, task handling, location management, and animal record management.

Total Test Cases: 35

Total Passed: 18

Total Failed: 7

Total with Unclear Instructions: 2

Total Non-Executable: 8

**Test Results Overview:**

**Employee Management:**

Creation, reading, updating, and deletion of employee records were tested comprehensively. While some tests passed successfully, issues were encountered particularly with data validation and updating functionalities.

**Task Management:**

Task-related tests were marked as non-executable due to the unavailability of task functionalities within the current version of the system.

**Location Management:**

Tests related to location creation, reading, updating, and deletion showed a mix of successful operations and some inconsistencies, particularly with data validation and clarity of system response.

**Animal Record Management:**

Creation, reading, updating, and deletion of animal records underwent testing, revealing issues primarily with data validation, updating functionalities, and inconsistent system responses.

**Areas for Improvement:**

**Data Validation:** Implement robust data validation mechanisms to ensure accurate and valid input across all functionalities.

**User Feedback:** Provide clear and concise feedback to users, especially in cases of invalid input or system errors.

**Functionality Visibility:** Enhance user experience by dynamically displaying options such as update, create, and delete based on the context or action taken by the user.