**Acceptance Testing Document**

1. **Introduction**

The purpose of this document is to define the Acceptance Testing for software created, ensuring the system meets the specified requirements, functionalities, and if it is ready for deployment.

1. **Scope:**

This document covers the test cases for 9 PHP files individually which were coded by the team to carry out the required tests. They are as follows:

1. **Abbreviation Key:**

|  |  |
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| Abbreviation | Meaning |
| DB | Database |
| UI | User Interface |
| AP | Activity President |
| AC | Activity Coordinator |
| SM | System Manager (Admin) |

1. **Test Cases:**
   1. **Can the system connect to the database and retrieve metadata successfully?**

This test ensures that the system can establish a secure connection with the PostgreSQL database, perform basic queries, and handle failures.

**TEST\_DB\_CONNECT.php Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
| Successful Connection |  |  | Correct credentials | Connection is successful |  | Pass |
| Unsuccessful Connection |  |  | Incorrect credentials | Error message is displayed |  | Fail |
| Fetch PostgreSQL Version |  |  | N/A | Version is displayed |  | Pass |
| Fetch Tables |  |  | N/A | Table list is displayed |  | Pass |

**Functional Requirement Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
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* 1. **Can a supervisor fetch all tasks or only their own, securely and correctly?**

This test ensures validates whether a supervisor can access task data through the backend script. It checks behaviour with and without filters, ensures session role enforcement, and error handling.

**TEST\_FETCH\_SUPERVISOR\_TASKS.php**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
| Fetch All Tasks |  |  | Supervisor logs in and should be shown tasks | All tasks are returned. |  | Pass |
| Fetch My Tasks |  |  | Supervisor attempts to fetch tasks | Only assigned tasks are returned |  | Pass |
| Authorised Access |  |  | Supervisor logs in | Supervisor is given access to all appropriate systems |  | Pass |
| Unauthorised Access |  |  | Non-supervisor logs in | User is redirected to appropriate page. |  | Fail |
| Database Error |  |  | N/A | Faulty DB connection |  | Fail |

**Functional Requirement Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
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* 1. **Can an Admin retrieve all tasks, their actions, and all assigned users accurately?**

This test ensures the admin can view complete task information, including the primary assignee, multiple contributors, and associated actions. It also checks authorisation and error scenarios.

**TEST\_FETCH\_TASKS\_ADMIN.php**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
| Fetch All Tasks |  |  | N/A | Tasks are returned |  | Pass |
| Authorised Access |  |  | Admin user logs in | Admin can access all appropriate systems |  | Pass |
| Unauthorised Access |  |  | Non-admin user logs in | User is redirected to relevant page |  | Pass |
| Database Error |  |  | N/A | Faulty DB connection |  | Pass |

**Functional Requirement Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
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* 1. **Can a logged-in user retrieve only their assigned tasks and related action stats?**

This checks that users only see their personal tasks and that the system accurately counts and returns associated task actions.

**TEST\_FETCH\_TASKS.php**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
| Successfully Fetch User Tasks |  |  | N/A | Tasks are returned |  | Pass |
| No Tasks Found |  |  | N/A | No tasks returned |  | Pass |
| Not Logged In |  |  | N/A | User cannot access anything |  | Pass |
| Database Error |  |  | N/A | Faulty DB connection |  | Pass |

**Functional Requirement Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
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* 1. **Is the admin dashboard properly restricted and accessible only to admins?**

This verifies secure access control to the admin dashboard; it ensures only authenticated admins can view the page and others are redirected appropriately.

**TEST\_TASKS\_ADMIN.php**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
| Authorised Access |  |  | Admin logs in | Admin can access and view all appropriate systems |  | Pass |
| Unauthorised Access |  |  | Non-admin logs in. | User is redirected appropriately |  | Pass |

**Functional Requirement Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
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**4.6 Can users log in? How will they login and what can prevent them from doing so?**

Users should be able to log in with their correct details but will be disallowed log in if they cannot provide the correct details in the correct formats.

**Successful logins:**

* If user enters the correct log in detail for a specific role, then access to specific features within the GUI will be granted.
* A suitable message should be displayed to indicate that login was successful. This comprehensive test validates the login mechanism and input validation.

**Unsuccessful logins:**

* The user enters the username ID or password wrong that doesn’t match any existing account.
* An error message should be displayed.

**TEST\_LOGIN.php**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
| Successful Login |  | High | User inputs the right details | Success |  | Pass |
| Missing Fields |  | High | User does not input a field |  |  | Pass |
| Invalid Email Format |  | High | User inputs the wrong email format when logging in |  |  | Pass |
| Invalid Credentials |  | High | User inputs invalid credentials |  |  | Pass |
| Invalid Request Method |  | High |  |  |  | Pass |
| Database Error |  | High | Simulate failure |  |  | Pass |

**Functional Requirement Test Cases**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
| Test Microsoft OpenAuth Login |  | High |  |  |  |  |
| Login page must support Microsoft login credentials |  | High |  |  |  |  |
| Role-based redirection on login |  | High |  |  |  |  |
| Rejection of unknown/unauthorised users |  | High |  |  |  |  |

* 1. **Is the supervisor dashboard protected and shown only to authorised supervisors?**

Confirms that the supervisor dashboard is only accessible to users with the correct role.

**TEST\_TASKS\_SUPERVISOR.php**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input | Expected Output | Actual Outcome | Test Outcome |
| Authorised Access |  |  | Supervisor logs in | Supervisor can access all appropriate systems |  | Pass |
| Unauthorised Access |  |  | Non-supervisor logs in | User is redirected appropriately |  | Pass |

**Functional Requirement Test Cases**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
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* 1. **Is the user task page accessible only to authenticated users?**

This ensures that regular users with the ‘user’ role can access their personal task dashboard and others are appropriately redirected.

**TEST\_TASKS\_USER.php**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input | Expected Output | Actual Outcome | Test Outcome |
| Authorised Access |  |  | User logs in | User granted access to all appropriate systems |  | Pass |
| Unauthorised Access |  |  | User attempts to log in with invalid/wrong/missing details | User redirected appropriately |  | Pass |

**Functional Requirement Test Cases**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
| Ensure users can only see their own tasks |  |  |  |  |  |  |
| Check file upload capability per task |  |  |  |  |  |  |
| Validate ability to change task status |  |  |  |  |  |  |
| View of priority field in task details |  |  |  |  |  |  |
| Add and edit comments on a task |  |  |  |  |  |  |

* 1. **Can only admins access the user management section securely?**

Ensures that the access to the user management interface is strictly limited to admins.

**TEST\_USERS\_ADMIN.php**

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input | Expected Output | Actual Outcome | Test Outcome |
| Authorised Access |  |  | Admin logs in | Admin granted access to all appropriate systems |  | Pass |
| Unauthorised Access |  |  | Non-admin logs in | User redirected appropriately |  | Pass |

**Functional Requirement Test Cases**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Corresponding System Feature | Priority Level | Input Provided by User | Expected Output | Actual Outcome | Test Outcome |
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