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| **TEST REPORT** | | | | | | | |
| **PROJECT NAME** | | | Quantino | | | | |
| **PART A** | | | | | | | |
| **PROVIDE THE REQUIRED TEST DETAILS** | | | | | | | |
| **TEST ID** | | | xx-01 | | | | |
| **TEST NAME** | | | test\_login\_success | | | | |
| **TEST MODULE** | | | User Authentication Module | | | | |
| **PURPOSE** | | | To verify whether the system allows access to the valid users as expected. | | | | |
| **TEST TYPE** | | | Software Unit Testing | | | | |
| **TEST CATEGORY** | | | White box testing | | | | |
| **STANDARD** | | | IEC 62304 | | | | |
| **TESTING TOOL** | | | Embunit (C++) | | | | |
| **TEST LOCATION** | | |  | | | | |
| **SAFETY REQUIREMENTS** | | | NA | | | | |
| **EQUIPMENTS/MATERIALS REQUIRED** | | |  | | | | |
| **PROCEDURE** | | | | | | | |
| **PRE-TEST SETUP** | | | 1. The application or system is installed and running. 2. The user account with valid credentials is registered and available in the system. 3. The login page or interface is accessible. 4. Internet or necessary network connections are functional (if required). | | | | |
| **TESTING PROCEDURE** | | | 1. **Open the login page:**  * Navigate to the login page of the system or application.  1. **Enter valid credentials:**  * In the username field, enter the registered username. * In the password field, enter the correct password for the account.  1. **Submit login:**  * Click on the login button or press enter.  1. **Verify login success:**  * Confirm that the user is successfully logged in by observing the redirection to the dashboard or home page. * Check that user-specific data (like profile information) is correctly displayed.  1. **Session management validation:**  * Ensure the session is maintained, and the user remains logged in while navigating through different sections of the system.  1. **Logout validation:**  * Click the logout button and confirm that the session is terminated, and the user is redirected to the login page. | | | | |
| **POST-ACTIVITY** | | | 1. The user is logged into the system with a valid session. 2. The login event is logged in the system (if applicable). 3. The session is correctly managed and does not time out prematurely. 4. After logout, the user should no longer have access to protected resources | | | | |
| **TEST TRIALS** | | | | | | | |
| **TRIAL NO.** | **TEST** | | | **ACCEPTANCE CRITERIA** | | **OBSERVATION**  **(add image if req)** | **INFERENCE** |
|  | test\_login\_success | | | **Pass:** The user should be successfully authenticated and redirected to the dashboard without errors  **Fail:** The user should receive an "Invalid Credentials" message, and no access should be granted | | User successfully logged in and redirected to dashboard  Observation on UI:    Observation on terminal: | Pass |
|  | test\_login\_success | | | **Pass:** The user should be successfully authenticated and redirected to the dashboard without errors  **Fail:** The user should receive an "Invalid Credentials" message, and no access should be granted | | User successfully logged in and redirected to dashboard  Observation on UI:    Observation on terminal: | Pass |
|  | test\_login\_success | | | **Pass:** The user should be successfully authenticated and redirected to the dashboard without errors  **Fail:** The user should receive an "Invalid Credentials" message, and no access should be granted | | User successfully logged in and redirected to dashboard  Observation on UI:    Observation on terminal: | Pass |
| **PART C** | | | | | | | |
| **CONCLUDE THE TEST OBSERVATIONS** | | | | | | | |
| **TEST OBSERVATION** | | The test case **test\_login\_success** was executed successfully.  The system correctly authenticated the user when valid credentials were provided, allowing access to the user dashboard and maintaining session integrity throughout | | | | | |
| **PART D** | | | | | | | |
| **REVIEWS AND APPROVALS** | | | | | | | |
| **TEST PERFORMED BY:** XXXXX | | | | | **TEST APPROVED BY:** XXXXX | | |
| **SIGNATURE:** XXXXX | | | | | **SIGNATURE:** XXXXX | | |
| **DESIGNATION:** XXXXX | | | | | **DESIGNATION:**  XXXXX | | |