**QUALITY ASSURANCE ON I.M.S WEB APPLICATION**

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| **Project Name** | **Inventory Management System (I.M.S)** | | | | | | |
| **QA Officer** | **JOHN KELVIN AONDOAKAA** | | | | | | |
| **Test Type** | **Functional Requirements** | | | | | | |
| **Module Name** | **Url functionality (biosec.com.ng/ims)** | | | | | | |
| **Module Role** | **User** | | | | | | |
| **Test Description** | **User should be able to access login page using the given url** | | | | | | |
| **TEST #ID** | **TEST CASE** | | **EXPECTED RESULT** | | **ACTUAL RESULT** | | **PASS/FAIL** |
| 1. | Enter given url into browser | | Login page should display with the given url | | Login page displayed successfully | | Pass |
| 2. | Enter url on different browser to check browser compatibility | | Page should be compactible on all browsers | | Web page compatible on different browsers | | Pass |
| 3. | Verify web/mobile responsiveness | | Page should be mobile responsive | | Page is mobile responsive | | Pass |
| **Module Name** | **Login Page** | | | | | | |
| **Module Role** | **User** | | | | | | |
| **Test Description** | **Ability of User to login to web page when user enters valid username and password and clicks on the login button** | | | | | | |
| 1. | Enter valid username and password | | User dashboard should display | | User dashboard displayed | | Pass |
| 2. | Enter invalid username and valid password | | User should be prompted to enter a valid username and password | | Oops! You entered incorrect details | | Pass |
| 3. | Enter valid username and invalid password | | User should be prompted to enter a valid username and password | | Oops! You entered incorrect details | | Pass |
| 4. | Enter Valid username and blank password | | User should be prompted to enter a valid username and password | | Oops! You entered incorrect details | | Pass |
| 5. | Enter invalid username and password | | User should be prompted to enter a valid username and password | | Oops! You entered incorrect details | | Pass |
| 6. | Leave login field Blank | | User should be prompted to enter a valid username and password | | Please fill out this field notification seen | | Pass |
| 7. | Inject an SQL query into the username and password field | | Login should be unsuccessful | | Please match the requested format message displayed | | Pass |
| **Module Name** | **Home Menu** | | | | | | |
| **Test Description** | **Ability of user to view details of inventory stock items from the home dashboard** | | | | | | |
| 1. | Click on the dashboard menu | | An overview of inventory stock should be seen | | List of inventory stock (active users, total stock, stock in items, out of stock items) menu displayed | | Pass |
| 2. | Click on the hamburger menu | | a dropdown menu should be seen | | A minimized menu observed | | Fail |
| 3. | Click on view active members | | Details of all active users should be displayed | | Details of all active users displayed | | Pass |
| 4. | Enter a user name in the active user search bar to search for an active user | | Search bar should fetch and display user if user exist | | Search bar is functional (fetching existing user) | | Pass |
| 5. | Click the next button | | Next page of all active users should be displayed | | Next page of users list displayed successful | | Pass |
| 6. | Click on previous button | | Previous page of “active users “ should be displayed | | Previous page of users displayed | | Pass |
| 7. | Click on the “upward arrow” | | List of active users should be hidden | | List of active users hidden | | Pass |
| 8. | Click on the downward arrow to display list of users | | Users list should be displayed | | Users list displayed successful | | Pass |
| 9. | Click on the settings button | | Settings page should be displayed | | Dropdown link of Settings1 and settings2 | | Fail |
| 10. | Click on view details of the total stock items menu | List of total inventory stock should be displayed with details | | List of total inventory stock displayed with details | | Pass | |
| 11. | Click on view details of the “stock in items” menu | List of “stock in items” should be displayed with details | | List of “stock in items” displayed successfully with details | | Pass | |
| 12. | Click on the “out of stock” menu | Detailed list of “out of stock items” should be displayed | | List of “out of stock items” displayed successfully with details | | Pass | |
| **Module Name** | **Requests/Orders** | | | | | | |
| **Module Role** | **User** | | | | | | |
| **Test Description** | **User should be able to place fresh request of inventory items, restock of inventory items, cash request, and take stock of inventory items.** | | | | | | |
| **CASE #ID** | **TEST STEP** | **EXPECTED RESULT** | | **ACTUAL RESULT** | | **PASS/FAIL** | |
| 1. | Click on requests/orders menu | dropdown links should be seen | | Dropdown links observed | | Pass | |
| 2. | Click on fresh request link | Fresh request form page should be displayed with request officers details, request number and date | | Fresh request page displayed with request officers id, request number and date | | Pass | |
| 3. | Input alpha characters in the product field | alpha characters should be accepted in the product field | | Alpha characters accepted | | Pass | |
| 4. | Input numeric characters in the product field | Numeric characters should not be accepted | | Numeric characters accepted | | Fail | |
| 5. | Input alpha numeric characters in the product filed | Alpha numeric characters should be accepted in the field | | Alpha numeric characters accepted | | Pass | |
| 6. | Input special characters into the product field | Special characters should not be accepted | | Special characters accepted | | Fail | |
| 7. | Input numeric characters into the price field | Numeric characters should be accepted | | Numeric characters accepted | | Pass | |
| 8. | Input alpha characters into the price field | Alpha characters should not be accepted | | Alpha characters accepted | | Fail | |
| 9. | Input special characters into the price field | Special characters should not be accepted | | Special characters accepted | | Fail | |
| 10. | Input numeric characters into the quantity field | Numeric characters should be accepted | | Numeric characters accepted | | Pass | |
| 11. | Click the “up arrow” button on the quantity field | Increase in numeric value should be observed | | Increase in numeric value as expected | | Pass | |
| 12. | Click the “down arrow” button on the quantity field | A decrease in numeric value should be observed | | As expected, a decrease in numeric value | | Pass | |
| 13. | Click on the select button under category menu | A dropdown of “capex” and “opex” option should be displayed | | A dropdown of capex and opex option displayed successfully | | Pass | |
| 14. | Click on the “select” in the approving officer field | A dropdown of approving officers should be displayed | | A dropdown of approving officers displayed | | Pass | |
| 15. | Click on the approving officer | Approving officer should be selected in the field | | Approving officer selected successfully | | Pass | |
| 16. | Click on the “select” in the Receiving officer field | A dropdown of Receiving officers should be displayed | | A dropdown of Receiving officers displayed | | Pass | |
| 17. | Click on the Receiving officer | Receiving officer should be selected in the field | | Receiving officer selected successfully | | Pass | |
| 18. | Leave form fields blank and submit | Form should not be submitted | | If details are correct please click okay. | | Pass | |
| 19. | Click on submit request button | Request form should be submitted with a mail notification to the approving officer | | Request form submitted successfully with mail notification | | Pass | |
| 20. | Click on the “Restock Request” link | Restock form should be displayed with request officers details, request number and date | | Restock form displayed with request officers id, request number and date | | Pass | |
| 21. | Click the select button in the product field | List of inventory stock should be displayed | | List of inventory stock displayed | | Pass | |
| 22. | Click on the “Cash request” link | Cash request form should be displayed | | Cash request form displayed | | Pass | |
| 23. | input numeric characters into the price field | numeric characters should be accepted | | numeric characters accepted | | Pass | |
| 24. | Input alpha characters into the price field | Alpha characters should not be accepted | | Alpha characters accepted | | Fail | |
| 25. | Input special characters into the price field | special characters should not be accepted | | Special characters accepted | | Fail | |
| 26. | Select managing officer and leave form field blank and submit | User should be prompted to fill form fields | | If input details are correct, click ok to submit | | Fail | |
| 27. | Click on “take stocks form” | Take Stocks form should be displayed | | Take stocks form displayed successfully | | Pass | |
| 28. | Click on select button in the product field | Inventory items should be listed for selection | | Inventory items list displayed | | Pass | |
| 29. | Click on select button in the approving officer field | Details of approving officers should be displayed for selection | | Approving officers details displayed | | Pass | |
| 30. | Leave take stocks form blank and click on submit request button | User should be prompted to fill for fields | | “If details inputted are correct, click okay | | Fail | |
| **Module Name** | **Inventory** | | | | | | |
| **Module Role** | **User** | | | | | | |
| **Test Description** | **User should be able to view details of all inventory stocks** | | | | | | |
| **CASE #ID** | **TEST STEP** | **EXPECTED RESULT** | | **ACTUAL RESULT** | | **PASS/FAIL** | |
| 1. | Click on the inventory items menu | List of all inventory items should be displayed with details | | List of all inventory items displayed with details | | Pass | |
| **Module Name** | **Management Console** | | | | | | |
| **Module Role** | **Super Admin** | | | | | | |
| **Test Description** | **Admin should be able to add users, edit users and delete users** | | | | | | |
| **CASE #ID** | **TEST STEP** | **EXPECTED RESULT** | | **ACTUAL RESULT** | | **PASS/FAIL** | |
| 1. | Click on user console menu | Add user form should be displayed | | Add user form displayed successfully | | Pass | |
| 2. | Input numeric characters in the first name and last name field | Numeric characters should not be accepted | | Numeric characters accepted | | Fail | |
| 3. | Input alpha numeric characters in the first name and last name field | Name field should not accept alpha numeric characters | | Alpha numeric characters accepted in the name field | | Fail | |
| 4. | Input alpha characters in the first and last name field | Name field should accept alpha characters | | Alpha characters accepted | | Pass | |
| 5. | Input special characters in the first and last name field | Name field should not accept Special characters | | Special characters accepted | | Fail | |
| 6. | Enter an invalid email in the email field | Mail validation should be required | | No mail validation required | | Fail | |
| 7. | Input an existing user id | Admin should be promoted of an existing user | | Failed user already exist | | Pass | |
| 8. | Leave form blank and submit | Admin should be prompted to fill form fields | | Please fill out form fields notified | | Pass | |
| 9. | Fill all form fields and click on add user button | User should be added successfully | | User added successfully | | Pass | |
| **Module Name** | **Reports** | | | | | | |
| **Module Role** | **Admin** | | | | | | |
| **Test Description** | **Admin should be able to access logs and account details of users.** | | | | | | |
| **CASE #ID** | **TEST STEP** | **EXPECTED RESULT** | | **ACTUAL RESULT** | | **PASS/FAIL** | |
| 1. | Click on the reports menu | A dropdown link of logs and account details should be displayed | | A dropdown of logs and account details link displayed | | Pass | |
| 2. | Click on the logs link | Inventory logs should be displayed | | Inventory logs displayed | | Pass | |
| 3. | Click on the next button | The next page of the inventory logs should be viewed | | The next page of the inventory logs displayed | | Pass | |
| 4. | Click on the previous button | The previous page of the inventory logs should be displayed | | The previous page of the inventory logs displayed | | Pass | |
| 5. | Click on the show arrow | Admin should be able to view the number of logs to display at once | | 10, 25, 50 and 100 shown | | Pass | |
| 6. | Click on 10 | The first 10 inventory logs should be displayed | | First 10 logs displayed successfully | | Pass | |
| 7. | Click on 25 | First 25 logs should be displayed | | First 25 logs displayed | | Pass | |
| 8. | Click on 50 | First 50 logs should be displayed | | First 50 logs displayed | | Pass | |
| 9. | Click on 100 | 100 inventory logs list should be displayed | | 91 logs displayed | | Pass | |
| 10. | Click on the account details link | Account details page should be displayed | | No response | | Fail | |
| **Module Name** | **Workspace** | | | | | | |
| **Module Role** | **User (Requesting Officer, Approving Officer and Receiving Officer)** | | | | | | |
| **Test Description** | **User should be able to access his/her workspace to approve requests, view approved requests.** | | | | | | |
| **CASE #ID** | **TEST STEP** | **EXPECTED RESULT** | | **ACTUAL RESULT** | | **PASS/FAIL** | |
| 1. | Click on user profile | A dropdown of workspace link, change password link and logout link should be displayed | | A dropdown observed | | Pass | |
| 2. | Click on the work space link | Work space page should be displayed | | Work space displayed | | Pass | |
| **Module Name** | **Workspace** | | | | | | |
| **Module Role** | **Approving Officer and Receiving Officer** | | | | | | |
| **Test Description** | **Approving Officer should be able to view request and give approvals** | | | | | | |
| 1. | Click on the request menu | Request list should be displayed | | Request list displayed successfully | | Pass | |
| 2. | Click on approve button | Request status of requesting officer and approving officer should change to approve with mail notification to receiving officer | | Request status changed to approve with mail notification sent to receiving officer | | Pass | |
| 3. | Click on Archives menu | Details of all approved request should be displayed | | Details of approved requests displayed successfully | | Pass | |
| 4. | Click on the logs menu | Details of all user activities should be displayed | | Details of user activities displayed | | Pass | |
| **Module Name** | **Change Password** | | | | | | |
| **Module Role** | **User** | | | | | | |
| **Test Description** | **User should be able to set a new password** | | | | | | |
| **CASE #ID** | **TEST STEP** | **EXPECTED RESULT** | | **ACTUAL RESULT** | | **PASS/FAIL** | |
| 1. | Click on change password link | Change password page should be displayed | | Change password page displayed | | Pass | |
| 2. | Leave password field blank and click on apply change button | user should be prompted to fill form fields | | Password wasn’t changed please try again notification | | Fail | |
| 3. | Fill fields with existing password | User should be prompted of existing password | | Password successfully changed | | Fail | |
| 4. | Input old password and a new password in their respective field and confirm | Password should be successfully changed | | Password successfully changed | | Pass | |
| **Module Name** | **Log out** | | | | | | |
| **Module Role** | **User** | | | | | | |
| **Test Description** | **User should be able to log out on the IMS application** | | | | | | |
| 1. | Click on the log out button | User should be logged out | | User logged out successfully | | Pass | |