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| Test Plan |
| Document Version 1.0 |
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**Introduction**

**Project Overview:**

Management Dashboard is used by Auth0’s customers to manage all the features of their account. More software enhancements in the application bring in the need for a strong regression/automation test suite in place to ensure improved software quality and responsiveness to changing customer requirements.

**Scope:**

To set up user and password based authentication by configuring customer’s own database as an Identity provider. It can be achieved by creating a new custom DB connection under Connections (Database) in the Dashboard to link the customer’s user store to Auth0.

**Testing Objectives:**

To ensure the features and functions work as intended. To perform regression testing and identify the defects that might be introduced during software enhancements. To provide confidence to the business owner that the solution meet the business needs.

**Features to be tested**

1. Creating a new db connection under database connections.
2. Enabling to connect a Custom DB as the identity provider for user and password authentication.
3. Adding Mongo DB as the custom database for the new DB connection by adding the login script or by choosing the template script for Mongo DB.
4. Adding the default application to the custom DB connection and verifying the Try connection link.
5. Verifying the following Database Action Scripts. These scripts are triggered while the user performs these actions on the customer’s application to which the custom db connection has been established.
   * **Login:** a user attempts to login to the application.
   * **Create:** a new user signs up to the application.
   * **Verify:** a newly signed up user clicks the verification link.
   * **Change Password:** the user clicks the change password link in the reset email.
   * **Get User:** the user wishes to change password to test if the user exists.
   * **Delete:** the user is deleted.
6. These features under Settings.
   * Enabling Requires Username.
   * Enabling Disable sign up, after adding the Create script.
   * Delete Connection
7. These features in Password policy.
   * Password Strength.

**Features Not to Be Tested**

1. Customer’s application using the Custom DB connection as the Default App under Applications is used for the connection.
2. The feature - Import Users to Auth0 in Settings.
3. These features in Settings, as it work only when Import Users to Auth0 is enabled.
   * Username length
4. Password policy / options, as it work only when Import Users to Auth0 is enabled.
   * Password History
   * Password Dictionary
   * Personal Data

**Item Pass/Fail Criteria**

* Test Scripts will be developed as a part of every test case. The test scripts will contain test steps, expected results, pass criteria and fail criteria.
* Broadly speaking, deviation from what is the expected behavior will be considered a defect. A defect might not always result in failure.
* Where a defect is identified, a defect record will be raised for each deviation between the test result and the expected result recorded in the test scripts.
* If the incident is investigated and found not to be an error, the defect will be assigned back to the owner for closure.
* If the incident is found to be a genuine error, it will be prioritized based on input from the relevant developers and testers.

**Test Environment**

**Test Items:**

Management Dashboard: Auth0 - <https://manage.auth0.com/login>

**Automation Tool:**

CodeceptJS: <https://codecept.io/>

**Test Data:**

1. Signup to Management Dashboard as these users:
   * Company |Personal
   * Developer | Non Developer
   * B2C | B2B | B2E
   * AU |EU | US Regions.
2. Users email and password saved in the custom Mongo DB database.
3. New user signups on the application login page.

**Test Deliverables**

* Test Strategy / Plan
* Access to the custom db created for testing.
* Acceptance tests, automated with codecept in Public Git Repo.

*<Links to be provided>*

**References**

<https://auth0.slack.com/files/UAXHYPBFT/FBPKX122D/Technical_Exercise_-_Fri_Jul_13__2018>