Test plan

**Introduction**

The Knowledge Import Tool (KIT) test plan is a comprehensive document outlining the testing strategy and approach for ensuring the quality and functionality of the KIT project. This plan is designed to systematically verify and validate key features, user interactions, and security measures implemented in the KIT application.

**Objectives**

The primary objectives of this test plan are to:

Validate successful user authentication and authorization.

Verify the functionality of adding, calling, and sending data to various sources, including both successful and unsuccessful scenarios.

Ensure proper manual article upload, both successful and unsuccessful.

Validate user management functionalities such as adding, removing, and editing users.

Assess the effectiveness of security measures, including unauthorized access attempts.

Confirm the seamless user experience through login, logout, and other critical user interactions.

Scope

The scope of testing covers various aspects of the KIT application, including but not limited to user authentication, data source management, data export to IQADOT platform, user management, and security.

**Test Environment**

The testing will be conducted in different environments:

Development (D): Local development environments with necessary tools.

Testing (T): Separate testing servers with test databases and automation tools.

Acceptance (A): Environment mirroring production with realistic test data.

Production (P): Live production servers with security measures.

**Test Approach**

The testing approach involves both automated and manual testing methodologies:

Automated Testing: Utilized for unit testing, continuous integration, performance, and security testing.

Manual Testing: Applied for system testing, integration testing, usability testing, and acceptance testing.

Test Deliverables

Key deliverables from the testing process include:

Regular test reports indicating progress, issues, and resolutions.

A comprehensive test plan document.

Installation and user guides for future reference.

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| ID | Name | Pre-condition | Test Data | Expected Result |
| TC-01 | Logging in | None | Email: [admin@admin.com](mailto:admin@admin.com)  Password: 123 | Redirect to main page, user logged in. |
| TC-02 | Logging in – unsuccessful | None | Email: [nope@nope.com](mailto:nope@nope.com)  Password: 0982 | Invalid credentials message is displayed. User redirected back to login |
| TC-03 | Adding a source | User logged in | Source Name: Rijksmuseum, Base URL: <https://www.rijksmuseum.nl/>  api/en/collection  API Key: oCh4wQ8u,  Auth type: Header,  Endpoint configuration: ‘’ | Source is added and displayed in the list of sources. |
| TC-04 | Adding a source – unsuccessful | User is logged in | Source Name: Rijksmuseum, Base URL: <https://www.rijksmuseum.nl/>  api/en/awdasdw  API Key: 812734,  Auth type: Header,  Endpoint configuration: ‘’ | Source is not added .  Invalid url is displayed.  Invalid key is displayed. |
| TC-05 | Calling a source | User is logged in. Source is added properly | Selected source: Rijksmuseum  Click: Export | Data preview is displayed in the Details container. |
| TC-06 | Sending data to platform | User is logged in.  Data from a source is visible as preview | Rijksmuseum artObjects.  Count: 10  Selected: Test Channel 1  Click: Send to platform | Data is visible in IQADOT platform channel |
| TC-07 | Sending Data to platform – unsuccessful | User is logged in | Selected: none  Data: none  Click: Send to platform | Error messages are displayed: Please select a channel, Please import data from a source first |
| TC-08 | Upload articles manually | User is logged in. Input type: PDF, CSV | Document: From user’s computer  Selected: Test Channel 1  Click: Send to platform | Data should be visible and formatted in IQADOT platfrom |
| TC-09 | Upload articles manually – unsuccessful | User is logged in | Click: Send to platform | Error message displayed: Please input a valid data format. |
| TC-10 | Adding a user | User is logged in. | Username: [Adi@gmail.com](mailto:Adi@gmail.com)  Password: password  Click: Add User | User is added and displayed in the list below. Adi account can now be used for login |
| TC-11 | Adding a user – unsuccessful | User is logged in. User with [Adi@gmail.com](mailto:Adi@gmail.com) is registered | Username: [Adi@gmail.com](mailto:Adi@gmail.com)  Password: password  Click: Add User | User is not added. Error message: Email already is in use. |
| TC-12 | Removing a user | User is logged in. User with [Adi@gmail.com](mailto:Adi@gmail.com) is registered | Selected: [Adi@gmail.com](mailto:Adi@gmail.com)  Click: Trash can icon | User is removed. List is updated |
| TC-13 | Editing a user password | User is logged in. User with [Adi@gmail.com](mailto:Adi@gmail.com) is registered | Selected: [Adi@gmail.com](mailto:Adi@gmail.com)  New password: password12  Click: Edit icon | User password is updated |
| TC-14 | Editing a user password – unsuccessful | User is logged in. User with [Adi@gmail.com](mailto:Adi@gmail.com) is registered | Selected: [Adi@gmail.com](mailto:Adi@gmail.com)  New password:  Click: Edit icon | Error message: Password cannot be empty. |
| TC-15 | Logging out | User is logged in | Click: Log out button | User is logged out. Redirect to login page |
| TC-16 | Unauthorized request | None | Manually type in link tab: {Website}/{any page} | User is redirected to a Unauthorized page |