Title

# Test automation requirements for IFXX

## Waaalo

## Pre-procession of test automation

### Test procedure edition

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| Requirement name | REQ-0001 - Properties fields as predefined values |
| Statement | The system shall provide predefined values for property fields to ensure consistency and minimize user input errors. |
| Rationale | Users need predefined values to save time during data entry and maintain uniformity across records. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0002 - System shall support multi-language localization |
| Statement | The system shall enable users to switch between multiple languages, providing localized text for all user interface elements and messages |
| Rationale | Users need localization to interact with the system in their preferred language. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0003 - User authentication using secure protocols |
| Statement | The system shall enforce user authentication using secure protocols such as OAuth 2.0 or SAML to protect user credentials. |
| Rationale | Users need secure authentication to safeguard their accounts and sensitive data. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

### Test properties

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| Requirement name | REQ-0004 - Data encryption for all sensitive fields |
| Statement | All sensitive data fields, including passwords and personal identifiable information, shall be encrypted in transit and at rest. |
| Rationale | Users need encryption to ensure private information is protected. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P1- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0005 - Dynamic field validation based on context |
| Statement | The system shall validate user input dynamically based on the specific context and field type to prevent invalid entries. |
| Rationale | Users need validation to quickly identify and correct input errors. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P1- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

### Automated interactions

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| Requirement name | REQ-0006 - System to allow role-based access control |
| Statement | The system shall support role-based access control (RBAC), restricting access to features and data based on user roles. |
| Rationale | Users need RBAC to restrict access to authorized personnel. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P1- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0007 - Real-time updates for dashboard widgets |
| Statement | Dashboard widgets shall update in real-time to reflect the most current data without requiring a page refresh. |
| Rationale | Users need real-time updates to make informed decisions. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0008 - Ability to export reports in CSV and PDF formats |
| Statement | Users shall be able to export system-generated reports in both CSV and PDF formats for offline analysis and sharing. |
| Rationale | Users need export functionality to analyze and share data. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

## procession of test automation

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| Requirement name | REQ-0009 - System to provide audit logging for all critical actions |
| Statement | The system shall log all critical user actions, including logins, data modifications, and access changes, for audit purposes. |
| Rationale | Users need audit logs to trace and review actions. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0010 - Notification system with customizable alerts |
| Statement | The system shall provide notifications and allow users to customize alert settings, including thresholds and delivery methods. |
| Rationale | Users need customizable alerts to stay informed about important events. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P1- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0011 - Configurable timeout for user sessions |
| Statement | The system shall allow administrators to configure session timeouts to enhance security and manage idle sessions. |
| Rationale | Users need session timeouts to enhance security. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P1- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ – TLS |

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| Requirement name | REQ-0012 - Support for dark mode and light mode themes |
| Statement | The system shall support both dark and light themes, enabling users to switch based on their preferences. |
| Rationale | Users need theme options to reduce eye strain and improve comfort. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P1- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0013 - Automated backups for system databases |
| Statement | The system shall perform automated backups of all critical databases on a configurable schedule to ensure data integrity and recovery. |
| Rationale | Users need backups to prevent data loss and ensure quick recovery. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0014 - Integration with third-party APIs |
| Statement | The system shall allow integration with third-party APIs to extend functionality and enable interoperability with other platforms. |
| Rationale | Users need API integration to streamline workflows and enhance capabilities. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0015 - Search functionality with advanced filtering options |
| Statement | The system shall include search functionality with advanced filtering options, such as date ranges, categories, and tags. |
| Rationale | Users need filters to quickly locate specific information. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0016 - Drag-and-drop interface for file uploads |
| Statement | The system shall provide a drag-and-drop interface for uploading files to improve user experience and ease of use. |
| Rationale | Users need drag-and-drop to simplify file uploads. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0017 - System to auto-generate unique identifiers for records |
| Statement | The system shall auto-generate unique identifiers for each record to maintain consistency and prevent duplication. |
| Rationale | Users need unique identifiers to distinguish records. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0018 - Mobile-responsive design for all screens |
| Statement | The system shall ensure that all screens are mobile-responsive, providing optimal usability on devices of all sizes. |
| Rationale | Users need responsiveness to access the system on smartphones and tablets. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0019 - Auto-save feature for form entries |
| Statement | The system shall include an auto-save feature that periodically saves form data to prevent loss due to unexpected disruptions. |
| Rationale | Users need auto-save to prevent losing progress in lengthy forms. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |

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| Requirement name | REQ-0020 - Support for custom branding and theming |
| Statement | The system shall allow administrators to apply custom branding and themes, including logos, colors, and fonts. |
| Rationale | Users need branding to align the system with their organization's identity. |
| Add . Info | \ |
| Maturity | Yes |
| PI Priority | P0- Blocking |
| Version | 1 |
| Stakeholder | 1XYZ - TLS |