Digital Archival Tracker UI Test Plan

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Overview

- What features are to be tested?
- Features that will not be tested
- Testing approaches
- Testing tools
- Conclusion

What features are to be tested?

For AIP Report Tab (1st tab)

- Window and UI component resizing

- Uploading of Excel files in to application

- Listing of present sheet names, existing database and table names in UI

- AIP Record CRUD button functionality via add, update and delete button

- Add column Window functionality for AIP Report Tab

What features are to be tested? Contd...

For Fixity Overview Tab (2nd tab)

- Uploading of Fixity Report folder location
- Displaying number of Fixity files found
- Displaying Fixity project names detected after parsing
- Presenting project related information obtained from Fixity Parser

- Post Excel data conversion tasks such as creation of database files, tables
- Insertion of Excel data in database tables
- CRUD operations for AIP Record tab
- Parsing of Fixity reports by Fixity Parser

Testing Approaches

- Integration tests for testing UI
- Unit tests may be necessary based on requirements
- Mock UI buttons, checkbox and combo box clicks
- Test with border cases for text field data and folder path selection instance

Pass/Fail Criteria

- Visual Studio console displays the test results
- Testing considers edge cases based on situation

Testing Tools

- Ranorex Framework
- UI Automation by Microsoft – Present in .NET 4.5 Framework
- TestStack.White

Conclusion

- We will be performing integration testing
- Most of the test frameworks provide automated testing
- Test driven development
- Testing phase will be completed by March

Thank you