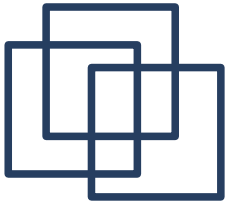


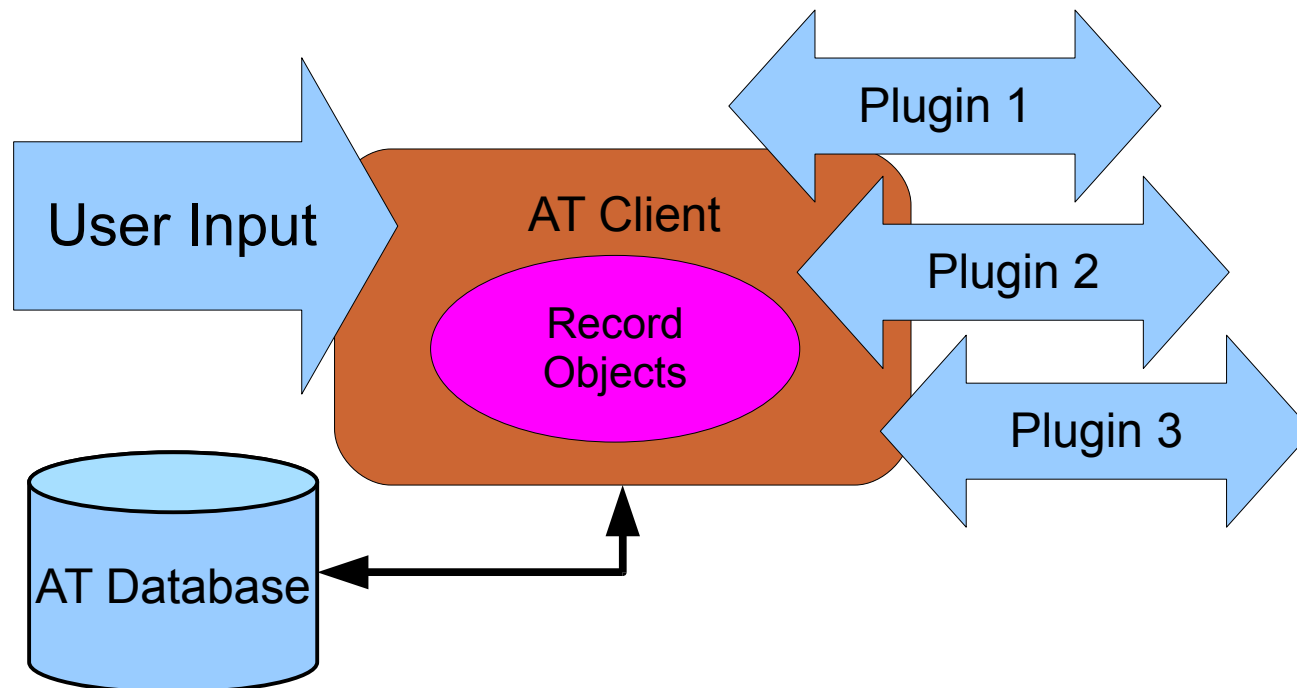
AT Plugin Framework

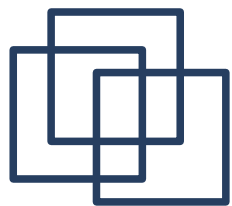




Purpose

- Allow for the addition of functionality and customization without having to modify the underlying core code.





Implementation

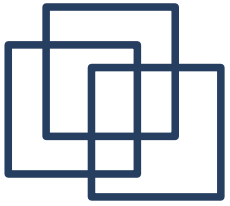
- JPF (Java Plugin Framework) - Open source library for adding plugin support to existing applications.

(<http://jpf.sourceforge.net/>)

- XStream - Open source library which allows for transparent storage of plugin data to an AT database as XML.

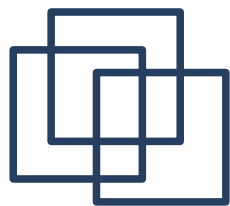
(<http://xstream.codehaus.org/>)



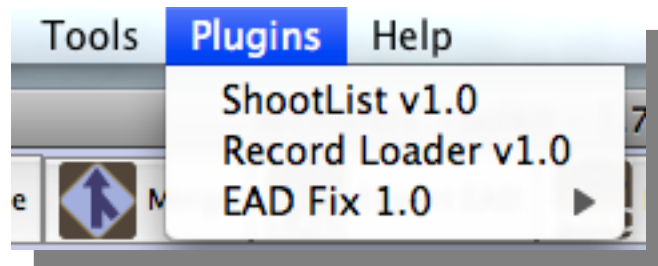
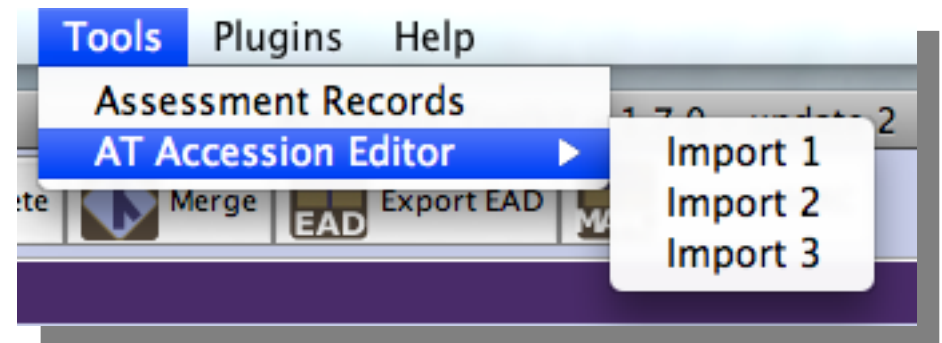
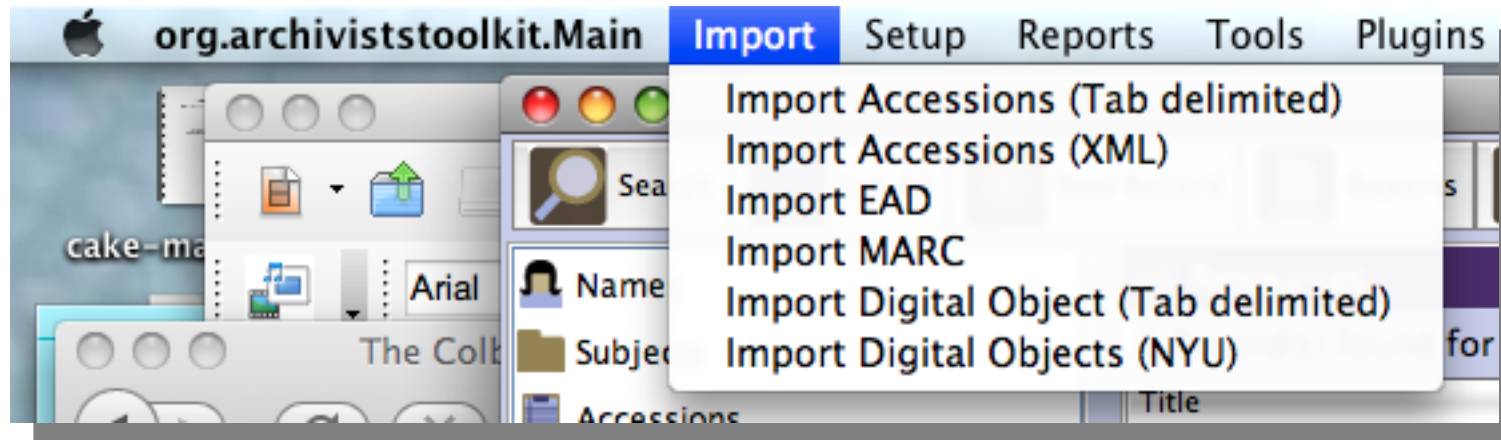


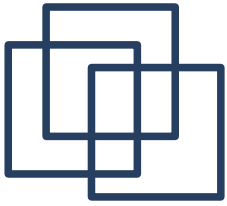
Integration

- Menu Based Plugins - Integrated into either the Import, Tools, and Plugin Menus.
- Record Editor Plugins - Replaces the built-in record editors.
- Embedded Plugins - Embedded within the built-in record editors.



In Menus



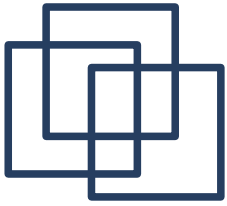


As Editors

Record Objects

This screenshot shows the 'Digital Objects' editor interface. The main window displays a record titled 'Manhattan Skyline and Washington Square Park, Aerial View'. The interface includes a left sidebar with navigation options like 'Names', 'Subjects', 'Accessions', 'Resources', and 'Digital Objects'. The main area is divided into several sections: 'Basic Description' with fields for Label, Title, and Date Expression; 'Resource Linked to this Digital Object' with fields for Resource Identifier and Resource Title; 'File Versions' with a table for Use Statement and URI; and a bottom toolbar with buttons for 'Add Child', 'Add Sibling', 'Delete Node', and various export options (METS, MARC, MODS, Dublin Core). The status bar at the bottom indicates 'Record 3 of 107' and 'Resource ID:'. A dashed arrow points from the 'Record Objects' text to this window.

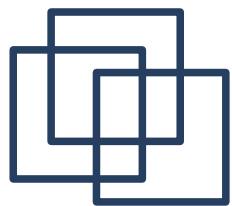
This screenshot shows the 'Digital Objects' editor interface with an 'Edit Record' dialog box open. The dialog box is titled 'Edit Record' and contains a table with columns A, B, C, D, and E. The table has one row with the value '2001' in column D. The dialog box also has an 'OK' button. The background shows a list of records, with 'Manhattan Skyline and Washington Square Park, Aerial View' selected. The status bar at the bottom indicates 'Created: Jul 8, 2009 by superuser | Modified: Jul 8, 2009 by superuser | Record Number: 144'. A dashed arrow points from the 'Record Objects' text to this window.



In Editors

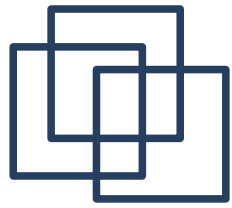
The screenshot shows a web-based interface for managing digital objects. The main window is titled "Digital Objects" and displays "Record 7 of 107". The "Digital Object Title" is "Test DO". The interface is divided into several sections:

- Navigation Tabs:** "Basic Description", "Names & Subjects", "Notes", "My Editor 2", and "My Editor 1". The "Notes" tab is highlighted with a red circle.
- Form Fields:** Includes "Label", "Title" (containing "Test DO"), "Date Expression" (set to "2001"), "Date Begin", "Date End", "Restrictions Apply" (checkbox), "Object Type", "Digital Object ID" (set to "33454"), "EAD Dao Acutate", "EAD Dao Show", and "Language Code" (set to "Acoli (ach)").
- Resource Linking:** A table titled "Resource Linked to this Digital Object" with columns "Resource Identifier" and "Resource Title". It shows a link with identifier "22333.44" and title "Test DO".
- Repository:** Set to "AT" with a "Change Repository" button.
- File Versions:** A section for managing file versions with "Add File Version" and "Remove File Version" buttons.
- Export Options:** Buttons for "Export METS", "Export MARC", "Export MODS", and "Export DC Dublin Core".
- Navigation:** Buttons for "Add Child", "Add Sibling", "Delete Node", "First", "Previous", "Next", "Last", "Reports", "Close", and "Save".
- Footer:** "Created: Jul 8, 2009 by superuser | Modified: Jul 27, 2009 by superuser | Record Number: 92".



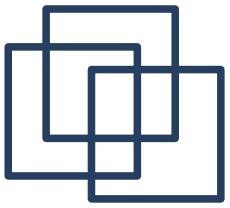
Why Use Plugins

- Ease of development
- Not tied to official AT release
- Easier code sharing
- Flexible data model
- Choice of license and distribution policy
- Investment protection



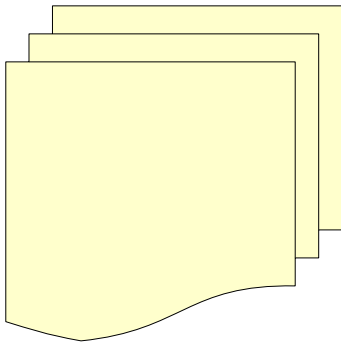
Usage Examples

- Batch Editing
- Data Migration
- Web Publishing

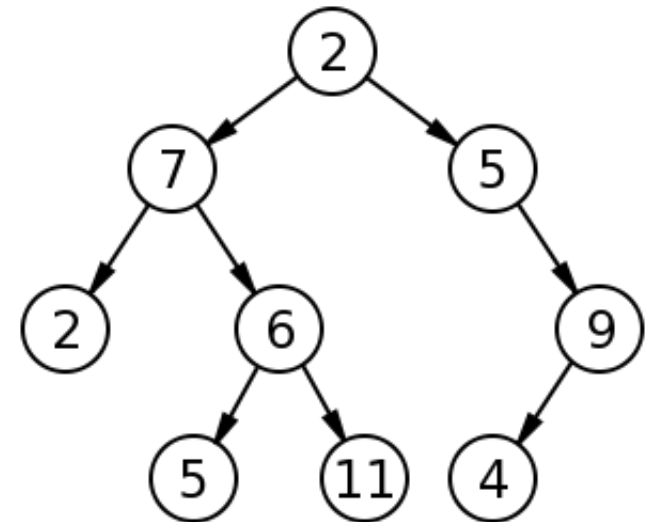


Batch Editing

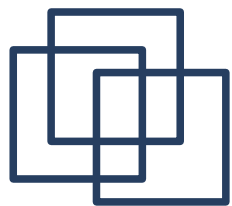
- Hierarchical nature of the AT data model means that a batch editor needs to possess maximum flexibility in providing editing options.



Series of Flat Documents

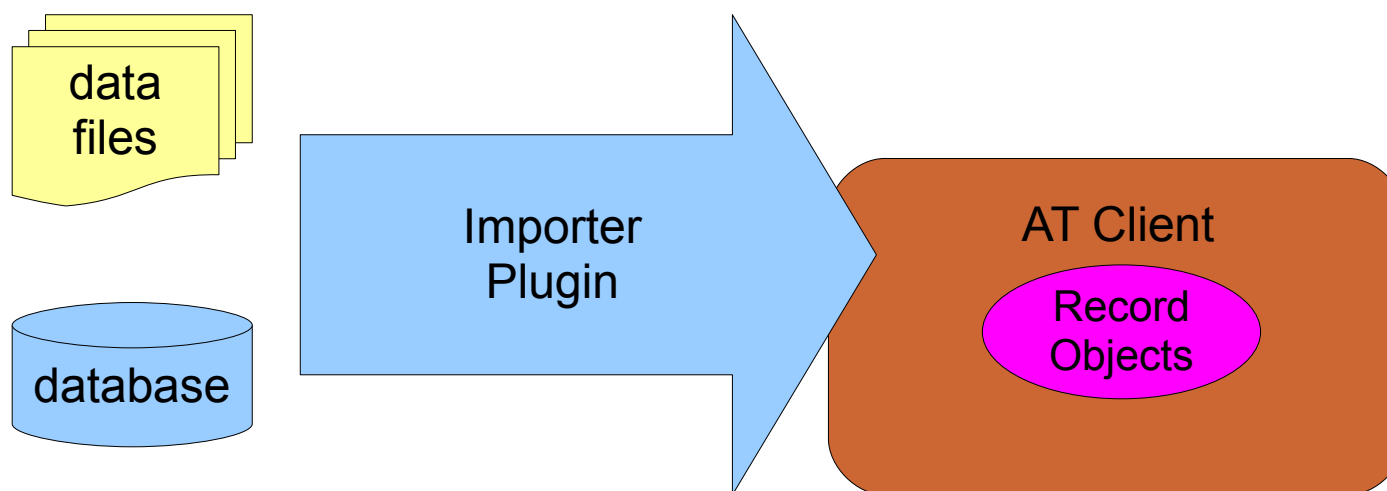


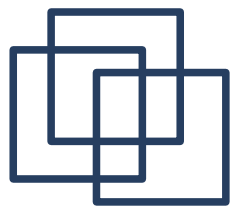
Tree Graph



Data Migration

- Given that institutions all have their own methods of storing archival information, data migration inherently requires customize tools to read-in and normalize the data for the AT.





Web Publishing

