-Created CHANGELOG.txt to keep track of changes.

Controllers:

- Created controllers package.

- Moved Controller to Controllers.

Controller:

- Refactored to be an interface. Copied all code to SingleLibraryController.

SingleLibraryController:

- Wrote and implemented to Controller

- Mostly deleted old code because it was very tightly coupled, and doing display stuff

that is now handled by CLIDisplay.

WorkingDirectory:

- Moved to Entity package

- Added default constructor

- Implemented new methods in Displayable.

Display:

CLIDisplay:

- Wrote all code in CLIDisplay

Displayer:

- Wrote all method signatures in Displayer.

GUIDisplay:

- The Class exists now. Not implemented past making sure that it is a JavaFX class.

Created entity.Interfaces package.

entity.Interfaces:

- Moved Editable, Displayable to entity.Interfaces

Displayable:

- Added listAttributes method signature.

- Added listOptions method signature.

- Added getFunc method signature.

Editable:

- Implements: Displayable, Saveable, Entity, Comparable<Entity>

- Wrote the compareTo method.

- Wrote registerChild method.

- Wrote removeChild method.

- Changed the field parent from private to protected.

- Added the protected field children.

- Added a getChildren method.

- Added a sort method to sort children in ascending or descending order.

- Added listAttributeTitles method

- Added abstract method getFunc

Entity:

- Moved the registerRelation and removeRelation method signatures

to the Relatable interface.

- Added compareTo method.

- Added getEntityChildren method.

- Added setParent method.

- Added sort method.

- Added delete method.

RatedRelation:

- Everything in this interface was made this sprint

- Note: RefArg is the only class that implements this interface

Relation:

- Everything in this interface was made this sprint

- Note: RefIdea and RefArg are the only classes that implent this interface

Created the Relatable interface.

Relatable:

- Everything added in this interface

- References, Ideas, and Arguments implement this interface

Entity Classes:

- Added toString methods to all Entity classes.

Argument:

- Wrote an equals method.

- Removed the registerRelation and removeRelation methods.

- Added a default constructor.

- Implements/Overrides: delete, getSaveableChildren, getSaveString, createChild,

registerRatedRelation, registerRelation, removeRelation, removeRatedRelation,

listOptions, getFunc, listAttributes

Idea:

- Wrote an equals method.

- Added a default constructor.

- Implements/Overrides: delete, getSaveableChildren, getSaveString, createChild,

registerRatedRelation, registerRelation, removeRelation, removeRatedRelation,

listOptions, getFunc, listAttributes, getRelations.

Library:

- Wrote the equals method.

- Added a default constructor.

- Implements/Overrides: getFunc, listAttributes, delete, listOptions, createChild,

getSaveString, getSaveableChildren.

Note:

- Wrote the equals method.

- Changed getChildren to getEntityChildren.

- Added a default constructor.

- Implements/Overrides: getFunc, listAttributes, listOptions, getSaveString, createChild,

getSaveableChildren.

RefArg:

- Updated to fit with the new Relation interface.

- Implements/Overrides: destroy, getSaveableChildren, getSaveString.

Reference:

- Wrote the equals method.

- Added code for generating MLA and APA citations.

- Added a default constructor.

- Added the listOptions method.

- Added a sort method to sort each of the types of children independently.

- Added generateCitation methods but they are not fully implemented.

- Implements/Overrides: getSaveString, registerRelation, removeRelation,

registerRatedRelation, removeRatedRelation, sort, listAttributes, delete,

getRelations, getAttribute, getFunc, listOptions.

RefIdea:

- Updated to fit with the new Relation interface.

- Implements/Overrides: destroy, getSaveableChildren, getSaveString.

Theme:

- Wrote the equals method.

- Added a default constructor.

- Added a field library that contains the library that the theme is

found in.

- Overrides/Implements: getReference, getEntityChildren, createChild, listOptions,

getFunc, listAttributes, delete, getSaveableChildren, getSaveString.

Topic:

- Wrote the equals method.

- Removed the registerRelation and removeRelation methods.

- Changed getChildren to getEntityChildren.

- Changed addTheme to registerChild.

- Changed deleteTheme to removeChild.

- Overrides/Implements: getReference, getEntityChildren, createChild, listOptions,

getFunc, listAttributes, delete, getSaveableChildren, getSaveString.

Other Comments:

Removed the add method from all entity classes, now they all inherit

registerChild and createChild from Editable. This is also true of the remove methods,

they now all implement removeChild.

- Added a default constructor.

- Removed each class's child list and moved it to Editable

- Added a default constructor to all Entity Classes.

- Removed all getEntityChildren methods was added to Editable superclass

- Add to all entity classes a createChild class

- Implemented listOptions and listAttributes in all entity classes

- getFunc was added to every entity class

- listOptions was added to every class

Management:

RefMeisterExec:

- Rewrote main()

- Supports specifying directory via command-line

XML:

MalformedXMLException:

- Thrown when an XML file is malformed

Saveable: No change

XMLManager:

- Changes in tag order to use the looser coupled interfaces in grouping tags.

XMLParser:

- Added exceptions to XMLParser if duplicate names are loaded from an XML File.

- Changed to use a factory for creating entities and relations

- Removed the saveLibrary method, moved to FileManager

- Made loadLibrary not static, requires an instance to attempt to load a string

FileManager:

- Created

- Singleton with an alternate thread designed to allow the controller to not

stall while saving

- Locks implemented to prevent a library from being accessed mid-edit.

- Added code to allow for error logging

- Added code to allow errors to have a severity.

- Added lock to error logging to allow for errors to be logged.

Other:

- Remove Setters for Lists, except for References

- Updated the UML Diagrams for our Entity classes.