Designer(s): Dan Levy Start Date:10/20/2018

Feature(s): Stub Unique Identifier Dictionary Creation and Population End Date:

User Expectations: Easy to use naming conventions for identifiers

Design depends on: Utility functions to find files based on file name

What depends on design: Stub to Link Conversion, Link Migration, Flock's self-correcting link functionality

Overall Design:

* Links in the dictionary must be accessible by the Stub unique identifier key
* A list of all stubs in the dictionary must be accessible from other code
* Dictionary must be accessible from other code
  + Able to return stubs of a corresponding link
  + Able to return link of a corresponding stub
  + Able to change path of any user created stub
* Must handle cases of duplicate stubs supplied by user
  + Inform user of issue and cease running Flock
* Able to be loaded from a text file, instead of built from scratch
  + Is validated as a dictionary

Reviewer(s): (Lukas)