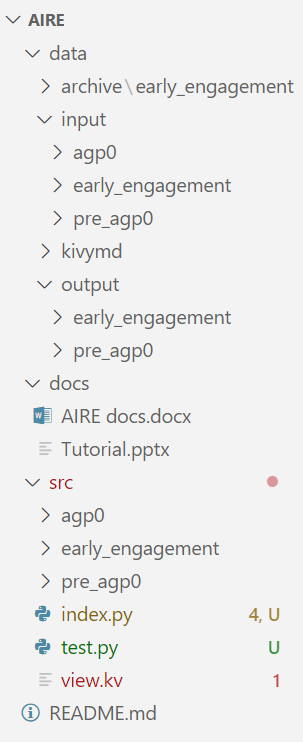
AIRE (Architecture Intake Review Engine) documentation

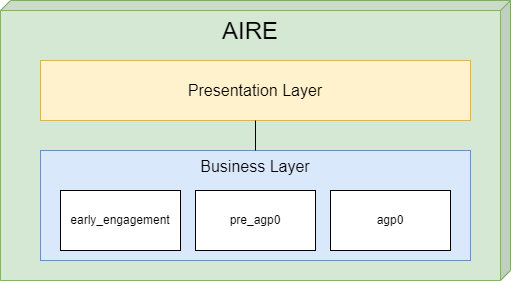
Requirements

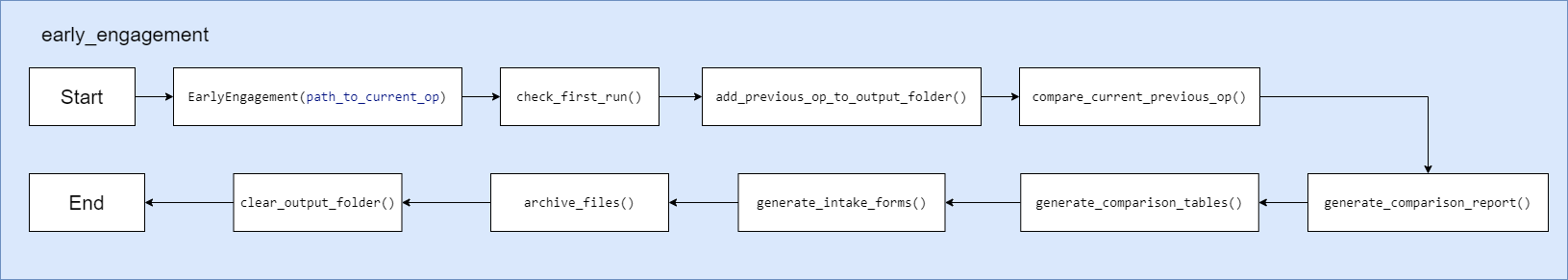
* Early Engagement support function
* Generate intake forms based on an operational plan file and a template + put date and the name of the intake form at the additional page for tracking (as solution branches might change the name)
* Compare old and new operational plan files
* on every generation, need to archive used operational plan data for next comparison
* Generate a comparison report – xlsx (shows changed cells) and word (shows changed initiative numbers, details, and so on)
* Confirm use for updates before change applied – generate a change report
* Pre-AGP 0 support function
* Generate an assessment report based on an assessment file and a template
* Improve the similarity algorithm (sentiment analysis, etc)
* AGP 0 support function
* Check the AGP0 requirements of an AGP 0 submission (zip file)

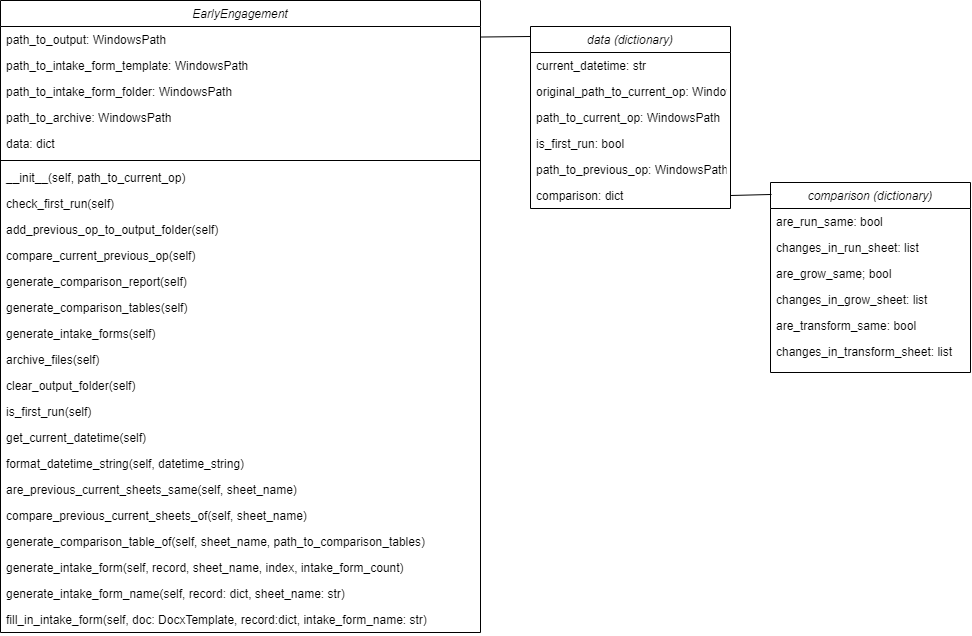
Folder Structure



Architecture







early\_engagement(path\_to\_curr\_op)

1. Receives a path to an operational plan file

2. Initializes [data] dictionary variable

3. Put current datetime into [data]

4. Copy the received operational plan file to the output folder

5. Put the path to the operational plan file in the output folder into [data]

check\_first\_run()

1. Check whether there was a previous run by checking the archive folder

add\_previous\_op\_to\_output\_folder()

1. Copy the previous operational plan file in the archive folder into the output folder

2. Add the path to the previous operational plan file in the output folder to [data]

compare\_current\_previous\_op()

1. Compare the previous and current operational plans

2. Initializes [comparison] dictionary variable

3. Put comparison results (same or not, changed cell location and values if there is any) into [comparison]

4. Put [comparison] into [data]

generate\_comparison\_report()

1. Generate a Word Document object

2. Iterate through [data] to put information into the Word Document object

3. Save the Word Document object as a Word file in the output folder.

generate\_comparison\_tables()

1. Make a copy of the current operational plan file to use it to describe the changed cells

2. If one of the sheets (RUN/GROW/TRANSFORM) are changed, compare the previous and current operational plan files of the changed sheet, highlight the changed cells,and write both previous and current values in the copied file

generate\_intake\_forms()

1. Generate intake forms of all items in the 3 sheets (RUN/GROW/TRANSFORM) and save them in the output folder

archive\_files()

1. Make a zip file of the output folder and put it in the data/archive folder

2. Save the current operational plan file in the data/archive folder for the next run (will be used as a previous operational plan)

clear\_output\_folder()

1. Delete all the files in the output folder for the next run

Pre-AGP0 module (TBD)