Weekly Individual Report
William Betteridge

Ratified By: Josh Bradley - Deputy Documentation Manager

WEEK COMMENCING: 20/05/24	
MEETINGS ATTENDED:	DURATION:
N/A	N/A

HOURS WORKED:							
Mon	Tues	Wed	Thurs	Fri	Sat	Sun	Total
0	2	3	4	3	2	7	21

Work Completed:
- Tuesday:
  - Worked on the JDOM2 API Implementation, getting the foundations for searching the DOM Document set out
- Wednesday:
  - Create an example test method to test the functionality of the JDOM methods, and to also provide an example for other group members so they could understand how the methods are called.
  - Experimented with getting the application to work on Linux as well as Windows. Found out that using Maven, the application has to be built on the OS that you desire to use it on.
  - Start integrating the XMLJDOMDataHandler class into the main data classes
  - Wrote the repository README, including instructions on how to build and compile the program
  - Reviewed code for the Admin Page and merged into main after requesting changes to improve code
- Thursday:
  - Refactored a large proportion of the code base, addressing multiple warnings and many weak warnings. Significantly improved the code clarity and consistency
  - Start implementing methods to add data into XML via the JDOM2 API
- Friday:
  - Implement methods to provide the ability to populate docduck data upon starting the application based on data ids.
  - Review pull requests for the status, report and admin pages, to make sure the changes are suitable so that the three pages will work succinctly together and remove any merge conflicts
  - Comment and document the code I wrote
- Saturday:
  - Experiment with GitHub actions to automatically build and deploy the code upon pushing to main. (Later found out it had not been configured correctly and due to time constraints, was not able to resolve the issue, so this feature was removed)

- ○ Continue working on getting the main application GUI pages to integrate with the XML Data so that the XML data storage works and can be used
- Sunday:
  - ○ Experiment with outputting data to XML and writing new data to XML
  - ○ Refactor the main class to remove redundant code.
  - ○ Review pull request for the admin page which had objects added to it so that it could display the relevant information from the xml data.