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Project Title : Censorship Detection in Censored Planet

Time Logs 2/24/2025 - 3/2/2025 14 Hours Accumulated in this period
Total Hours Accumulated Since Beginning: 66 Hours Accumulated in total

Date	Duration (hours)	Category	Description of completed task	Challenges and/or next steps	Reflection
2/24/25	2	Documentation	Reviewed documentation on QT threading	Implementing QThreads	Need to use the original QThread parent and we modify the class
2/25/25	1	Design	Redesigned UI layout, added icons and modified UI elements	Connect new UI to backend	“Blank space” on UI is meant for future implementation of dataset classifications and or visualizations
2/26/25	1	Coding	Connected new UI to backend		
2/27/25	2	Coding	Worked on software such as implemented user adjustable settings	Pass these user settings throughout the software	Perhaps add limitations on how much data can the client can “load” in, since it is a big dataset
2/28/25	2	Coding	Implemented “minibatch” approach in loading in dataset to memory	Utilize threading for this approach since we don’t want to slow down the main UI	Minibatch approach is efficient in loading small amounts of dataset chunks into memory without slowing down software operations
3/1/25	2	Coding	Implemented QThreading with processing the minibatch		Was able to run the minibatch approach behind the scenes using threading

3/2/25	4	Documentation Coding	Fixed bugs in software, reworked some classes/methods, Designed diagram docs for deliverable		Present the diagrams in the video deliverable

Reflection

What were your main goals in this time period?
The main goals in this time period was to focus on developing the main project which is the software more specifically start working on needed classes and methods, and slowly start to work towards the pipeline diagrams such as minibatch strategies in this case.

What were the main challenges during this phase? Were you able to meet the challenge, if so, what helped? If not, what could help?

The main challenge during this phase was to focus on implementing a strategy in order to load in the large datasets efficiently since the software cannot handle loading in all the datasets at once or the machine will slow down making the software unusable and inefficient. I was able to meet this challenge by coming up with an approach to utilize a minibatch strategy approach where we would fetch batches or (small amounts) of data from each dataset. I implemented an approach where the user is able to select how many batches to extract from each selected file. I then utilized threading in order to make this minibatch process work in the "background" of the software so the software does not slow down and is able to operate. Now the next steps of the software is once the batches are loaded into memory with the minibatch process the software now can start processing the data classifications or labeling each dataset into a specific censorship event category. I will need to come up with a strategy in order to classify each dataset into its own event category.