01/24/2024:

* Went through a rough architecture/system design for the software
* Discussed what a package should carry, what will be on the front end, where to put the ML model, and how to get logging information from the backend and display it on the front end in real time

01/29/2024:

* Learned and used WebSocket to get logging information from the ML script and display it on the front end in real time
* Refactored ML code so that every function is in a designated class
* Refactored manager.py and mnist\_model.py to enable manager to update progress, allowing mnist\_model to focus on running ML tasks
* Setup a websocket in server’s app.py, pass it to manager, and let manager.py emit updates to the client app.js
* Currently debugging why socket.io is emitting the same information multiple times (id 0 emits 1 time, id 1 emits 2 times, id 2 emits 3 times, …) 🡪 Used socketio.once() to solve the problem
* Learned how to close/disconnect a WebSocket to avoid memory leaks/security issues.
* Used ChatGPT to refactor code and make it cleaner.
* Q: Don’t know how to check if the websocket is properly closed.