Project Report Progress Document

lmao

This document is to be completed and uploaded by midnight of the day a project report is due.

Each student will receive a grade for the information in this document. Please be sure to check the following instructions when filling out this report.

- All information must be filled out, task information should be descriptive, **complete**, and easy to follow.
- The write-up should be readable and understandable with consistent formatting and style *across all write-ups.*
- This report must be specific and to-the-point
- Students must demonstrate significant effort over the period that has passed since the last meeting. We discourage procrastination regarding work or not reaching out for assistance in a timely manner.

Quarter-long Project:

Project Name	The Ethicalities and Drawbacks of Recommender Systems
Mentor Meeting Date and Time	04/23/25
Internal Mentor	Satadisha Saha Bhowmick

Each Student needs to complete a table below.

Student Name: William Stingl

Task description?	Finding data sets on Instagram recommendation systems, Youtube datasets, and compiling articles about their recommendation systems and the architecture present to analyze their effectiveness.
Task Status (complete, incomplete)	Complete
If the task is not complete, why was it not completed? If the task is complete, leave blank.	
What is your next course of action?	I think that the next step is to dig through the data, find more datasets used in studies that have already been completed with the data, and see if we can find any significant metrics. If not, we can continue to search existing research methodologies and see if we can access reports from their bibliographies.

Student Name: Tony Luo

Task description?	Read through "Deep Neural Networks for YouTube Recommendations," a passage breaking down the youtube recommendation system in the sense of NNs. Create a google slide and make a few slides interpreting and presenting the youtube recommendation system so that we can better dive into our ethics side, after understanding at least how it works, so then what is the

	problem. The slide will include a detailed analysis, but in plain language to avoid too much math and technical terms to present our findings of specifically the youtube recommendation system.
Task Status (complete, incomplete)	complete
If the task is not complete, why was it not completed? If the task is complete, leave blank.	
What is your next course of action?	Since I found out two interesting concepts: - candidate generation - ranking that appear in the article above. I want to dive deeper into them because almost all media platforms are adopting variations of them. I have not got a chance to learn the math and proofs behind them but only the ideas. I will then expand the slides on these two concepts if necessary.

Student Name: Oladayo Oladitan	
Task description?	Look at actual models within Instagram and Youtube and see how they are actually trained/ see how recommendations are fitted
Task Status (complete, incomplete)	Complete
If the task is not complete, why was it not completed? If the task is complete, leave blank.	It was hard finding actual code surrounding how each media platform was trained, although I did find some

	articles regarding the generalized way in which they work.
What is your next course of action?	Dig deeper into the methods, understand example codes of how they work. (For example, Youtube uses autoencoders, so I can look at what autoencoders actually do and any biases that are encountered through this method).