CS 490/491L Progress Report #2

Instructions: Each team member should enter their activities performed for the capstone project in the last two weeks, as well as their expected activities for the next two weeks, along with anything holding them up on completing their activities.
These should be discussed by the team and their advisor(s) during the weekly/biweekly meetings, and the advisor(s) should sign up and date the sheet indicating a correct assessment of the team's progress.
Students need to upload a signed and scanned version to Canvas. Progress reports uploaded to Canvas without a signature and score for progress will receive a 0 for progress.

Team/Project Name: MAAKDE

Team Member #1: Kennedy Johnson

What I did since my last progress report: Began researching ways that machine learning can integrate with frontend software. I have also been watching videos on machine learning in regards to image recognition. Though we haven't completely determined if we would be using JS or Python, I believed it would be beneficial to start looking into both with a focus more on Python. Also to make sure we stay moderately ahead of the documentation, I have edited and improved more on the SPMP and began the organizing of the SRS document.

Anything holding me up on my last progress report's expected activities:
Currently there isn't much that is holding up from last week's activities. I hope to make sure we have a much clearer understanding of our expectations and make sure we set up achievable goals. I also want to make sure that I can create clear and concise deadlines for the team for organization purposes. I am a bit worried about how to incorporate color theory into a machine learning model, but I believe my team and I will be able to find a great way of doing so.

What I plan to do before the next progress report: By the next progress report, I plan to discuss with the team when and how we want to begin the programming aspect of the project, as well as starting the programming for the project. Andres has created a document for the color theory aspect of the project which will be useful for the backend team with creating the model for the site. I also plan to discuss with the frontend team about ideas for the look and feel of the website.

Team Member #2: Andres Macias

What I did since my last progress report: Researching integration of a machine learning model with a Full Stack web application. Established a ground work document for the group to take things into consideration for the project such as how would our machine learning model make recommendations(color theory, different sizes fits for clothing, preference of user, etc…). Within that groundwork documents there's also sections for concerns, possible features, and factors to consider when creating our application. In addition to the ground work document, I've also created a document that acts as a style guide for things such as jewelry, sunglasses, and colors that match well with skin tones.

Anything holding me up on my last progress report's expected activities:
Planning has improved since the last progress report, but there's still room for improvement. I'd like to get it to where I'm satisfied with my next progress report so things will run alot smoother.

What I plan to do before the next progress report:
Continue to add on to the ground work and style guide document to cover as much information as I can before we actually start to program. There's a lot of factors that have to be taken into consideration when coming up with a "stylish" outfit and getting as much information as possible down before we actually start programming is crucial. I would also like to learn more about incorporating a machine learning model into a full stack web application because there's much to learn about it as it's complex.

Team Member #3: Aaron Gian Madrid

What I did since my last progress report:
We've established which project we ended up going with which is the Image Recognition Model pertaining to color/clothes matching. Professor has also discussed and gone over some of the documents required in the upcoming weeks and how our progress through the project should be.
Researched a bit of color combination, style guidelines, bottom/upper clothing matches and a bit on color theory to start brainstorming concepts of baseline for the integrated machine learning model to initially learn and follow.

Anything holding me up on my last progress report's expected activities:
Not necessarily, as initial research was needed to get a kick start of where to somewhat start and brainstorm. I'll probably have to look up more material on Color Theory and research more on style guides, thankfully Andres had initiated a document for us to kind of gather our research in about it and allowed all of the other teammates to contribute what they've found. If anything, probably need to identify soon enough what necessary tools we'll be needing/using to achieve our project completion however, I believe the team has outputted as much effort as they can at this point of

the progress and that we are either on track or even ahead of schedule in correlation to the project step guidelines.

What I plan to do before the next progress report:
Catch up to other Front-End developers within the group on researching about integrating the machine learning model with the Front End portion of the web application. Research more on Full Stack development to help assist Back End and be vital to the Front End.

Team Member #4: Matthew Kim

What I did since my last progress report: Learning and researching more about how Javascript works under the hood and practicing my programming skills.

Anything holding me up on my last progress report's expected activities: Nothing specifically, I have a lot to learn to become a better programmer so right now I am practicing and developing my skills as a software developer.

What I plan to do before the next progress report: Learn more about javascript since our tech stack mainly revolves around Tensorflow.js and react. So being proficient in javascript will be vital for the success of this application. I will also assist the team in the backend and frontend throughout development.

Team Member #5: Erik Vardumyan

What I did since my last progress report:
Between that report and now I have refreshed my python. Since our back end will be in Python, I do have experience with it. However, it has been a few months since I have done hands on coding in that language so I took the time to refresh on my python skills.

Since we are doing image recognition model for clothing. I have taken the time to learn or refresh on the tools and resources we might need. Such as, git and github, jira's software, vscode, teamgantt, tensor flow, and various youtube videos on how to apportion a project of this scale.

Anything holding me up on my last progress report's expected activities:
Technically no, I believe I did a decent amount of research and studies. However I personally wish I would have done more research. And that came down to unfortunate

events.

What I plan to do before the next progress report:
I would like to meet up with my team to discuss when and how we are going to start coding for the back-end. I believe that it is not a complete and utter rush to get started immediately but I would at least know when we should put fingers to keyboard and how we should begin.

Team Member #6: Deni Cabaravdic

What I did since my last progress report:
Started our image recognition model in trying to understand how and what it will do when taking in an image of a clothing item. It's been quite a while since I looked at image recognition, but it has been fun going over the possibilities of an image recognition model. I am figuring out a way to gain an image and then through it color, recommend another color. The initial thought is coming together so it will be interesting to see it start to come together.

Anything holding me up on my last progress report's expected activities:
I think the concept of creating a model that works on color theory is almost holding me back because I don't know where to start. Color theory is a new concept in my head and my programming mind is still trying to grasp the idea behind it, like what color is best in contrast to another, etc. So it really has just come down to a lot of extra research on the side, but I think by next weekend, it'll start making sense.

What I plan to do before the next progress report:
I plan to have the image recognition model at least half way done, or to a point where it can recognize colors and correctly pair another color. It might work, it might not, but I have an idea that will give us that initial scope of work we need to understand.

Date: _____

Team Progress (0 -- 3): _____

0 -- no progress has been made by the team
1 -- insufficient progress has been made for the team to complete their capstone
2 -- sufficient progress has been made for the team to complete their capstone
3 -- excellent progress has been made by the team

Report Quality (0 -- 3): _____

0 -- missing or empty report
1 -- report briefly written with incomplete sentences, lacking descriptions of work
2 -- well written report with sufficient description of work performed since last progress report
3 -- excellently written report with detailed description of each team members progress