1. **What specific questions/problems you will work on for deliverable 3? Capstone I, II, and SE students: make sure that your plan refers to specific issues in your GitHub repo (add issue links to your plan). AI students: list specific goals of this deliverable.**

This week we have decided to try out models for our dataset and fit them to see which model performs the best. The models would be compared by using a classification report and confusion matrix to see which model performs best. This would give us a baseline model to work on and optimize.

We will refactorize our code to improve readability. This will help the end users to follow a well-documented code.

The different baseline models that we have decided on for the image classification are VGG16 using ImageNet and U-Net using ImageNet and image segmentation.

Incorporating user feedback to improve the AI model's usability and effectiveness.

Training and testing the AI model on a larger and more diverse dataset to improve its accuracy and performance.

2. **How will you demonstrate your success at the end of deliverable 2. Capstone II students: you will be required to present a live demo in class (5-7 minutes). The demo will need to be understandable by the entire audience. Therefore, you will need to craft your demo carefully, introducing the project and project goals, before diving into the details of what you accomplished for deliverable 3. Everyone else: you'll be submitting a video demo.**

The demo of this week's deliverable will be submitted as a video containing the progress, we have made in the last two weeks (Week 2 and Week 3).