**Meeting Notes** **Date**: 2 – 09 – 2024  
**Meeting**: Initial Client Meeting

**Attendees**: Team Members, Client

**Discussion Points**:

1. **General Available Approaches**:
   * Our team explored two primary approaches:
     + Developing a model from scratch: This option offers valuable learning experience but poses risks of unreliability and low performance.
     + Adopting a pre-trained model and fine-tuning it: This approach is more likely to yield higher accuracy.
   * Our team believed the best option was to adopt a pre-trained model, prioritizing the client's needs, which the client agreed upon.
2. **Video Data**:
   * Video data was provided by the client, organized into folders based on location and bird feed type.
   * Each video contains motion recordings, capturing various objects such as birds, dogs, people, and bugs.
3. **Clients Ideal Model:**
   * The number one goal of the project is achieving high accuracy in identifying birds, specifically house finches.
   * The second priority is useability, ensuring ease of use and accessibility of resources for the model.
   * The third priority is optimizing runtime for quick analysis of video data.
   * To enhance runtime efficiency, we discussed the possibility of extracting images from video data.

**Next Steps**:

* Develop code for extracting images from video data.
* Identify the most suitable model based on the client's requirements, emphasizing accuracy and speed.
* Review and curate image datasets to supplement client-provided data.
* Schedule a follow-up meeting on February 16 to discuss further steps and review progress.

**Action Items**:

1. Develop code for image extraction.
2. Research and select an appropriate model.
3. Review and curate image datasets.
4. Prepare for the follow-up meeting on February 16.

**Client Provided Materials**:

* 186 Gigabytes of Video Data.