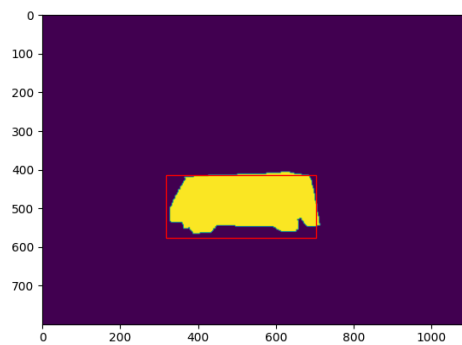
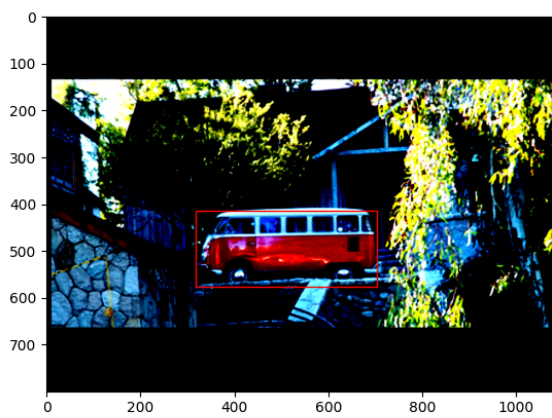
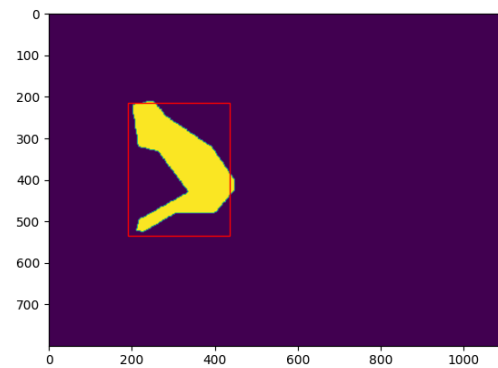
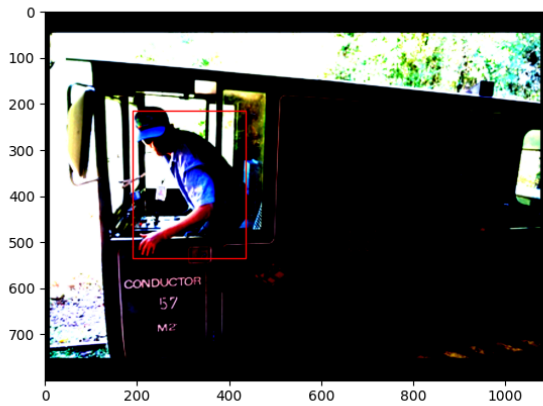
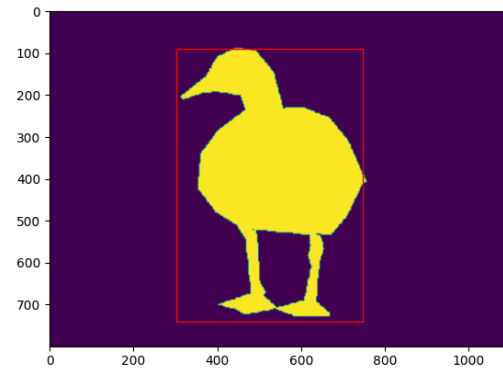
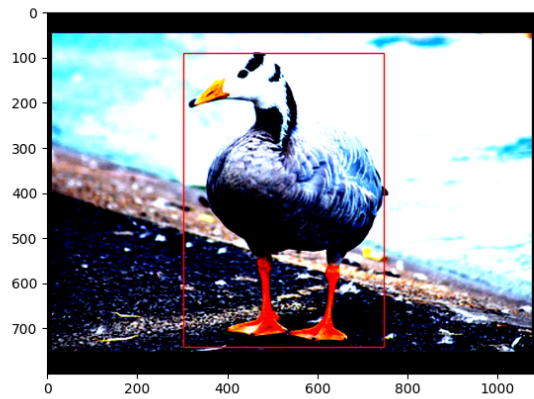
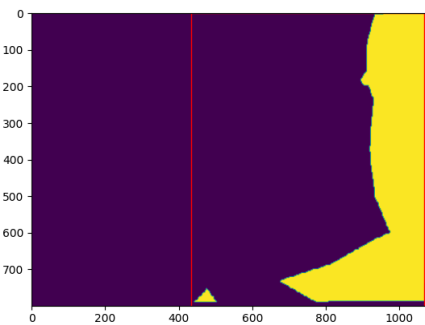
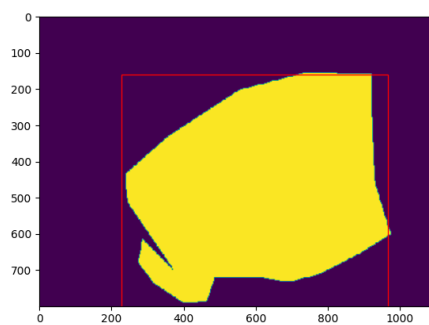
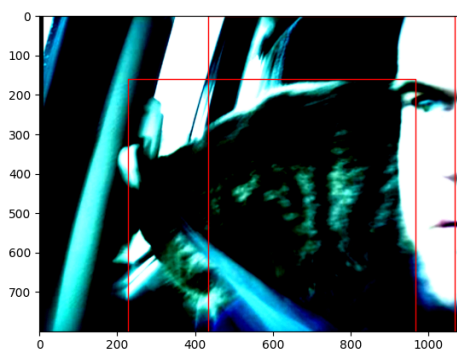
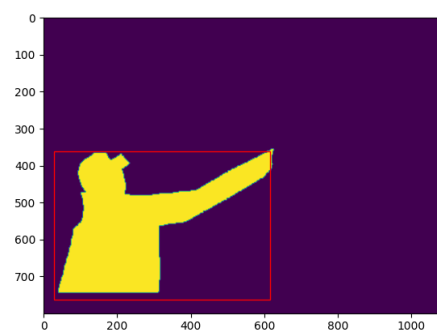
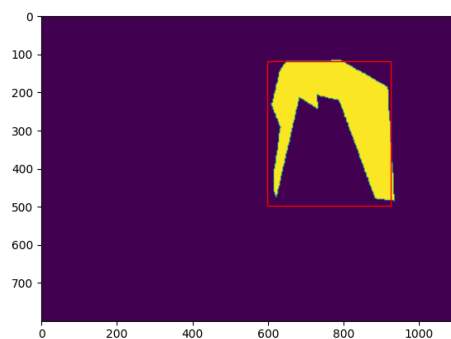
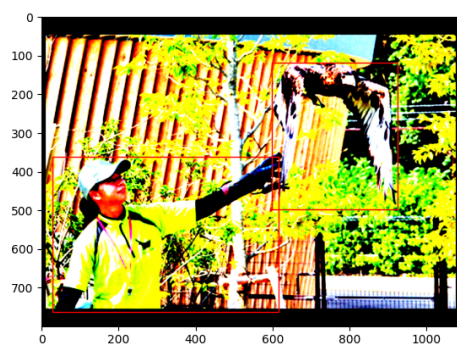


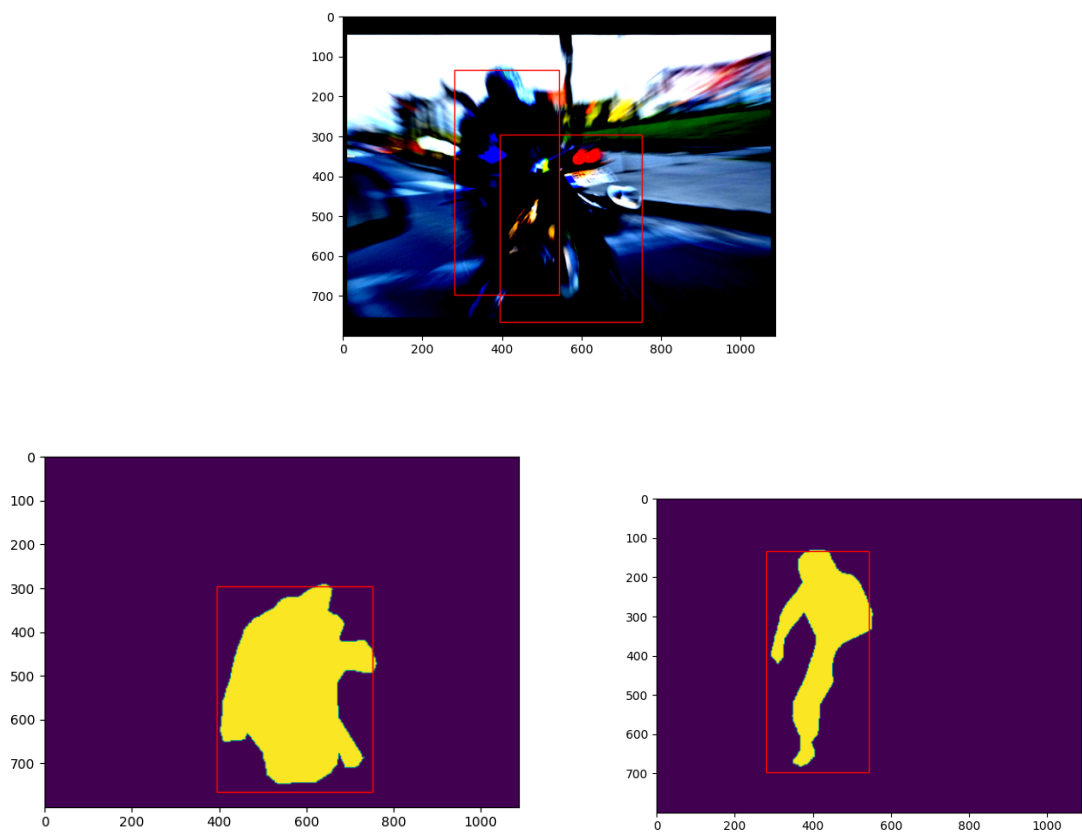
SOLO Part A Report

Sam Qiu, Yufei Yang Gao

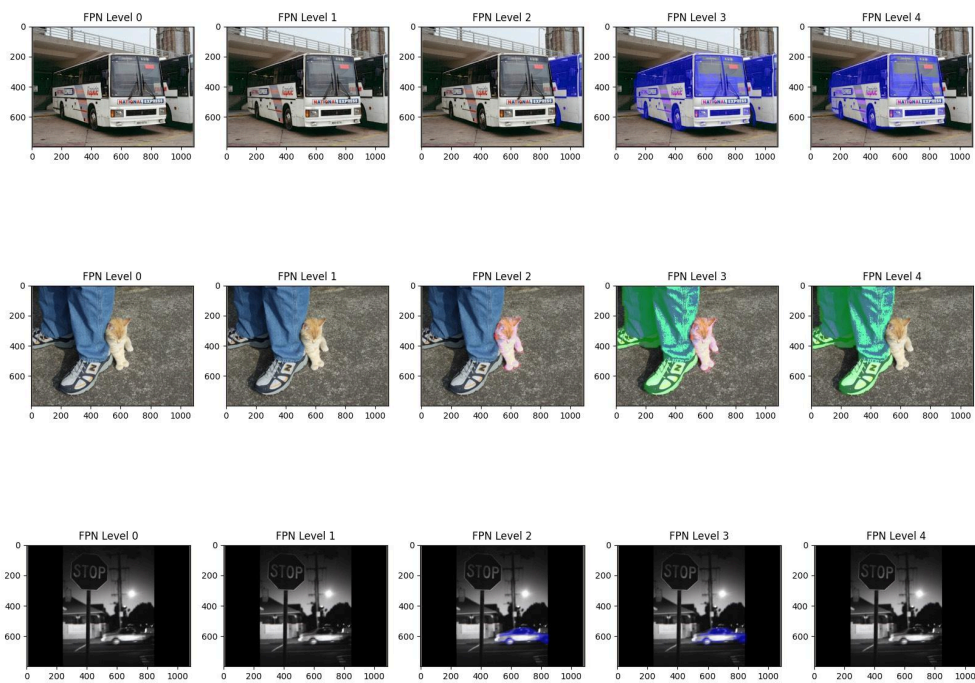
1. Dataset Plots:

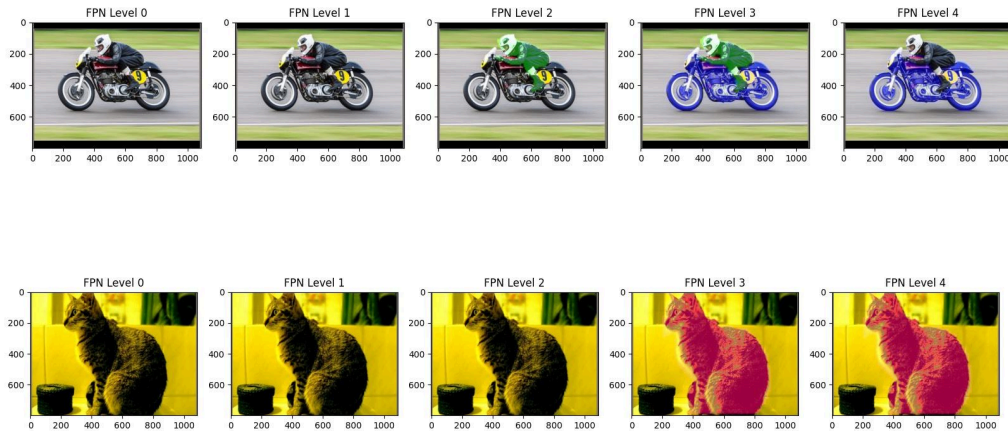






2. FPN Recovery Plots:





3. The difference in the appearance of the same object across different levels of the feature pyramid is due to the varying levels of spatial resolution and receptive fields at each level. Lower levels (e.g., FPN Level 0) capture finer details with higher spatial resolution but cover a smaller receptive field, which is ideal for small objects or finer details. As you move to higher levels (e.g., FPN Level 4), the spatial resolution decreases, and the receptive field increases, capturing more contextual information but with less detail. This hierarchical structure allows the model to recognize objects at different scales effectively, ensuring that smaller objects are captured at lower levels while larger objects and their context are captured at higher levels.
4. The instruction on how to run the code is specified in the README.md file.