Design and Innovation

1. Data Acquisition and Preparation

In collaboration with our team, I will curate a diverse dataset comprising images of the objects we need to detect. This will include a range of perspectives, lighting conditions, and backgrounds to ensure robust performance.

2. Custom Model Creation

Utilizing the IBM Visual Recognition platform, I will establish a custom model tailored to our unique requirements. This will involve configuring the model parameters to optimize performance for our specific use case.

3. Data LaSbeling and Annotation

I will oversee the annotation process, ensuring that each object in our dataset is accurately labeled with bounding boxes. This step is critical for training the model effectively.

4. Model Training

With careful consideration of hyperparameters, I will initiate the training process. This stage is pivotal in enabling the model to accurately identify objects in new images.

5. Evaluation and Fine-tuning

Upon completion of the training, I will rigorously evaluate the model's performance using a validation set. Based on the results, I will fine-tune the model to further enhance its accuracy and reliability.