**Technical Documentation for Object Detection Model**

**1. Requirements.txt File**

Below is the list of necessary libraries and dependencies for the project. Ensure these are installed before running the model.

1. streamlit
2. numpy
3. pandas
4. opencv-python
5. matplotlib
6. torch
7. torchvision
8. ultralytics
9. tensorboard
10. scikit-learn
11. Tensorflow

**Installation Command**

To install all dependencies:

pip install -r requirements.txt

**2. Hardware Requirements**

**Minimum Hardware Requirements**

For basic functionality and small datasets:

* **Processor**
* **RAM**
* **Storage**
* **Graphics Card (GPU)**