Object Detection & Object Tracking Project

Setup Instructions:
1. Clone the repository to your local machine.
2. Import cv2 library to notebook
3. Download the pre-trained Haar cascades for face, eye, and full body detection and place them in the 'haarcascades' directory.
4. Ensure that your Python environment is correctly configured.

Issue Log:
- **Issue 1:** Eye detection accuracy is low.
  - **Resolution:** Experimented with different parameters for the eye cascade classifier. Decreased scaleFactor and minNeighbors values to improve accuracy.
  - **Link to Stack Overflow:** [Stack Overflow Issue Link]

https://stackoverflow.com/questions/15403850/opencv-how-to-improve-accuracy-of-eyes-detection-using-haar-classifier-cascade

- **Issue 2:** Does detection work with cartoons?
  - **Resolution:** Experimented with different cascade classifiers, none worked, eventually went to Stack Overflow and realized the ones I'm using wouldn't work for cartoons.
  - **Link to Stack Overflow:** [Stack Overflow Issue Link]
  https://stackoverflow.com/questions/61138383/unable-to-detect-faces-of-cartoon-images

Additional Notes:
- This project uses OpenCV for object detection and visualization.
- Ensure that the 'Dataset' directory contains sample images and videos for testing the model.