

# Object Tracking Application

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This application tracks moving objects in a video using OpenCV and Streamlit. It uses the MOG2 background subtractor to detect moving objects and draws a green rectangle around them.

## Features

- Upload a video file in MP4, AVI, MOV, or WMV format.
- Detect moving objects in the video using the MOG2 background subtractor.
- Draw green rectangles around detected objects.
- Display the processed video frames in the Streamlit app.

## Requirements

- streamlit
- opencv-python-headless
- numpy

You can install the required packages using the following command:

```
pip install -r requirements.txt
```

```
## Usage
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```
1. Run the Streamlit app:
```

```
``sh
streamlit run app.py
``
```

```
2. This App deployed on streamlit cloud.
```

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3. Upload a video file and see the object tracking in action. [Here]
(https://objecttrackingprojectaymon.streamlit.app/)
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