

# Структура

## Клиент

- Sender
- Runner

Вспомогательные:

MyInterrupter

VideoCapturingException(Exception)

SenderExecutionException(Exception)

SenderWrongNameException(Exception)

## Сервер

- ServerNN
- ServerReciever
- ServerSender
- DataSource
- Runner

Вспомогательные:

StatStruct

Timer

element

EndpointAction

MyInterrupter

# Запуск

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS G:\pol3\prac_test> & C:/Users/Pavel/AppData/Local/Microsoft/WindowsApps/python3.9.exe g:/pol3/prac_test/sender.py
usage: videosender [-h] -n NAME [-H [HOST]] [-p [PORT]] [-v [VIDEO]]
videosender: error: the following arguments are required: -n/--name
PS G:\pol3\prac_test> & .venv/Scripts/python.exe sender.py -n test56 -v ./56.mp4 -p 8890
```

```
PS G:\pol3\prac_test> & .venv/Scripts/python.exe server.py -p 8890
```

```
* Serving Flask app 'server'
```

```
* Debug mode: off
```

```
test56
```

```
new client added: test56
```

```
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
```

```
* Running on all addresses (0.0.0.0)
```

```
* Running on http://127.0.0.1:45000
```

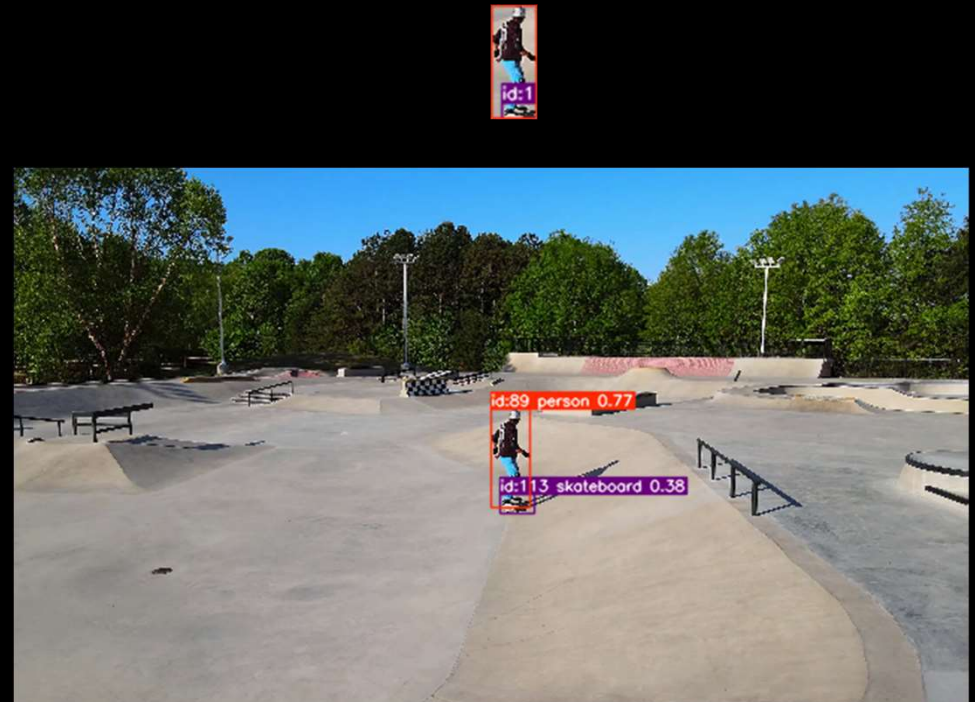
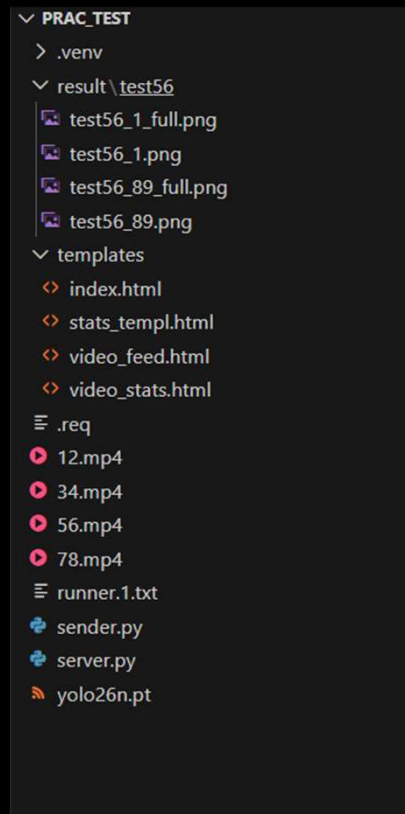
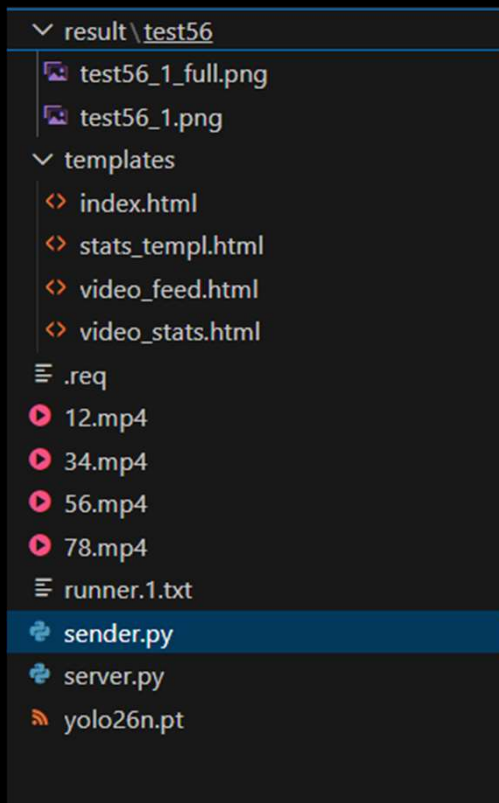
```
* Running on http://10.87.153.156:45000
```

```
Press CTRL+C to quit
```

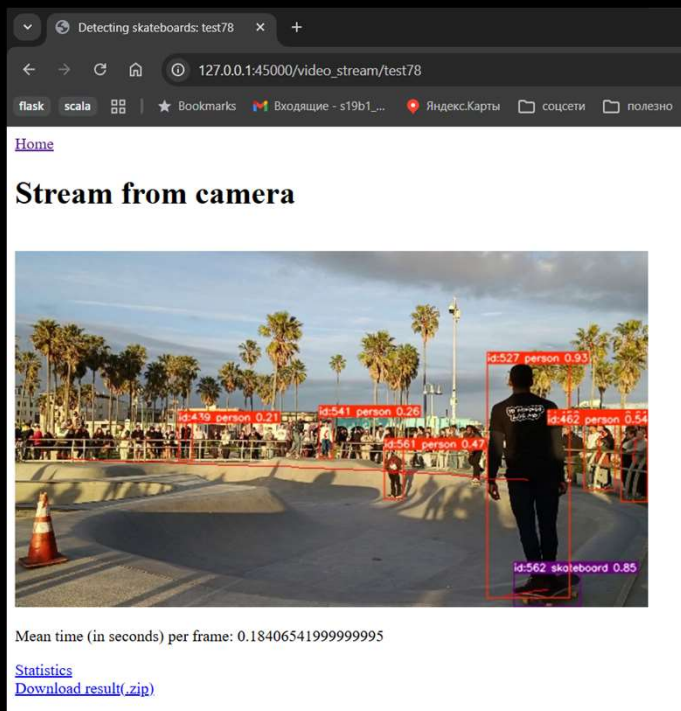
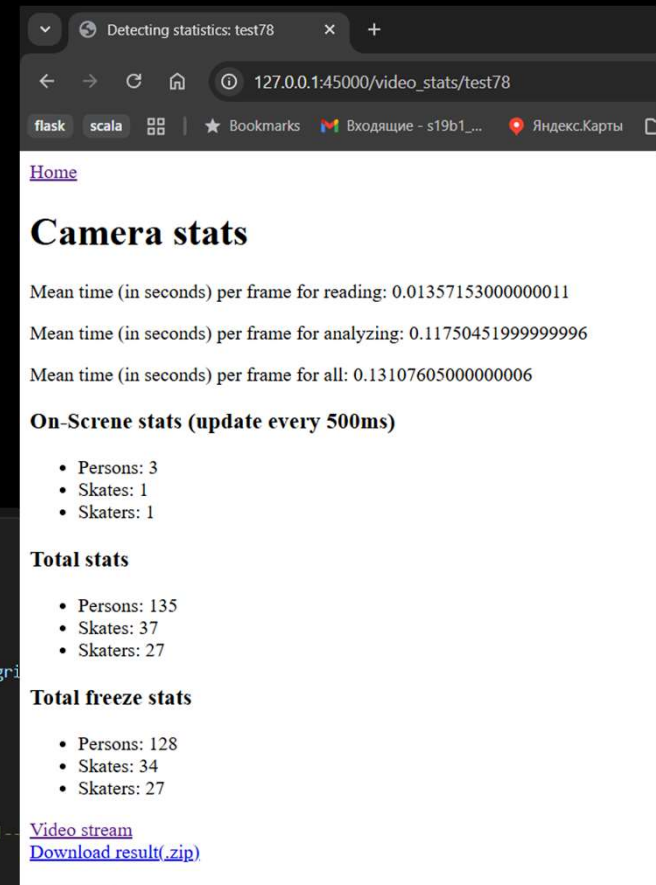
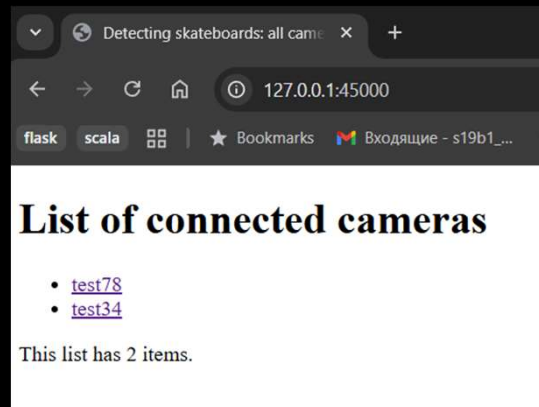
```
0: 384x640 1 person, 1 skateboard, 148.1ms
```

```
Speed: 29.4ms preprocess, 148.1ms inference, 1.0ms postprocess per image at shape (1, 3, 384, 640)
```

# Результаты обработки изображений



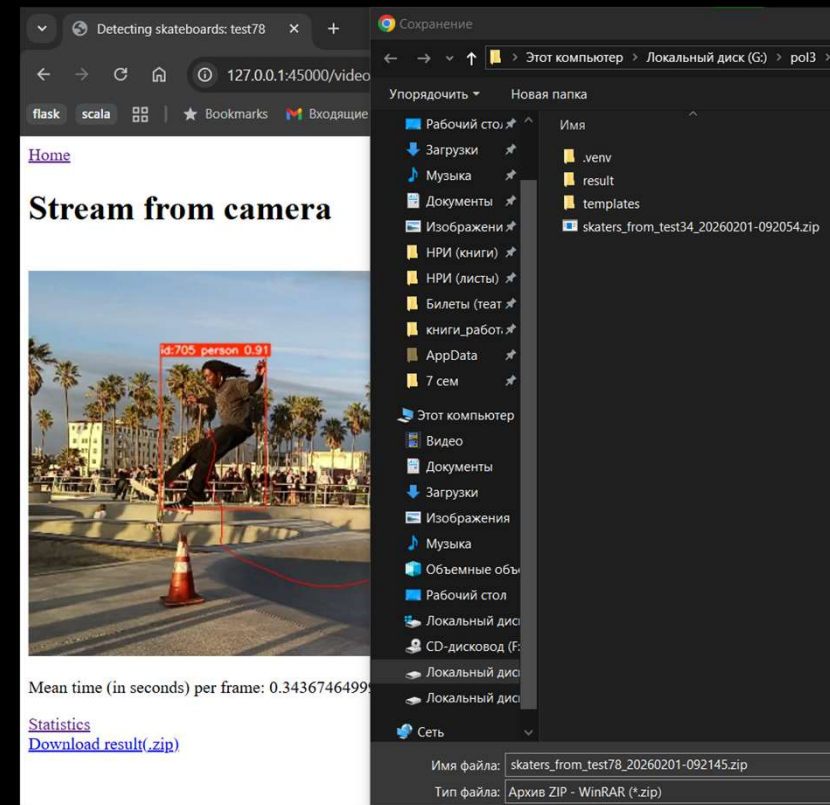
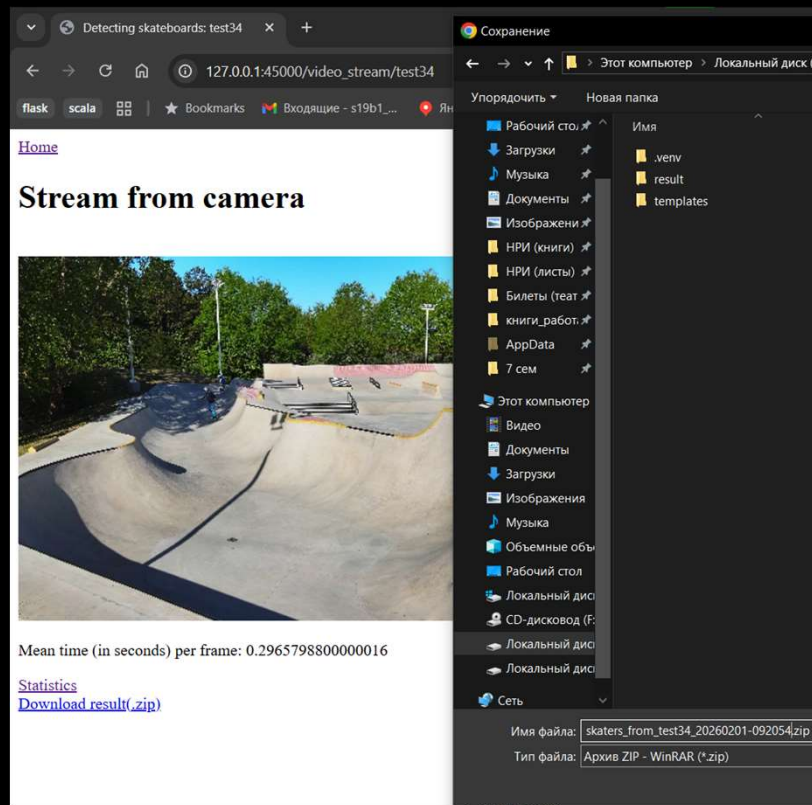
# Веб-интерфейс



```
es > video_stats.html > html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Detecting statistics: {{name}}</title>
  <script src="https://cdn.jsdelivr.net/npm/htmx.org@2.0.8/dist/htmx.min.js" integrity="sha384-6iHz0vQxW7z0b704hh4N50b09kDZD4I1pQmDJK1011641PW6Vg0B93OJlwh"></script>
</head>
<body>
  <a href="{{ url_home }}">Home</a><br>
  <h1>Camera stats</h1>
  <div hx-get="{{ stats }}" hx-trigger="every 500ms" hx-swap="innerHTML"></div> <!-- Updatable content -->
  <p id="updateable"></p>

  <h3>Total freeze stats</h3>
  <ul>
    <li>Persons: {{total_freeze[0]}}</li>
    <li>Skates: {{total_freeze[1]}}</li>
    <li>Skaters: {{total_freeze[2]}}</li>
  </ul>
  <a href="{{ url_stream }}">Video stream</a><br>
  <a href="{{ download }}">Download result(.zip)</a><br>
</body>
</html>
```

# Получение результатов



# Демонстрация

