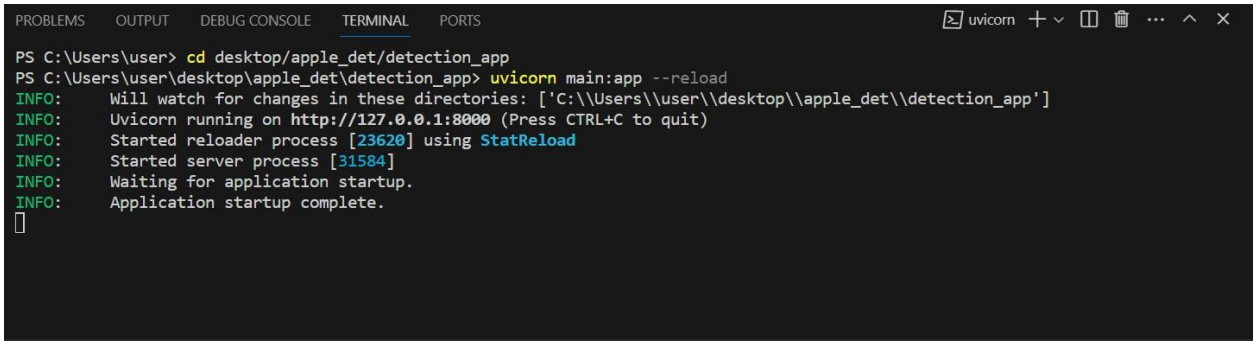
Implementation notes

For detection ‘mmdetection’ framework was chosen. The instance of RTMDet architecture is used.

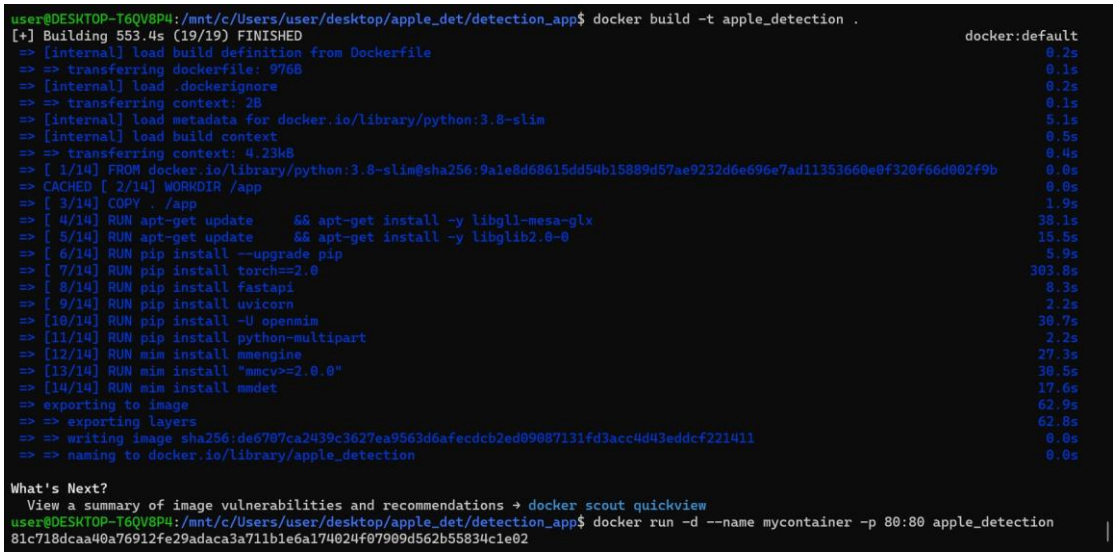
For API FastAPI framework is used via HTTP protocol.

Running examples

Running via uvicorn.



Via Docker.



To test detection functionality three examples were used.

1. One apple detection.

   Initial picture:

Result:

2. No apples detection.
   Initial picture:

Result:

3. Many apples detection

   Initial picture:

Result:

Welcome to the Start Page of Apple Detection Application

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It’s obvious that algorithm should be tuned to distinguish separate apples.