书生二期第六课作业

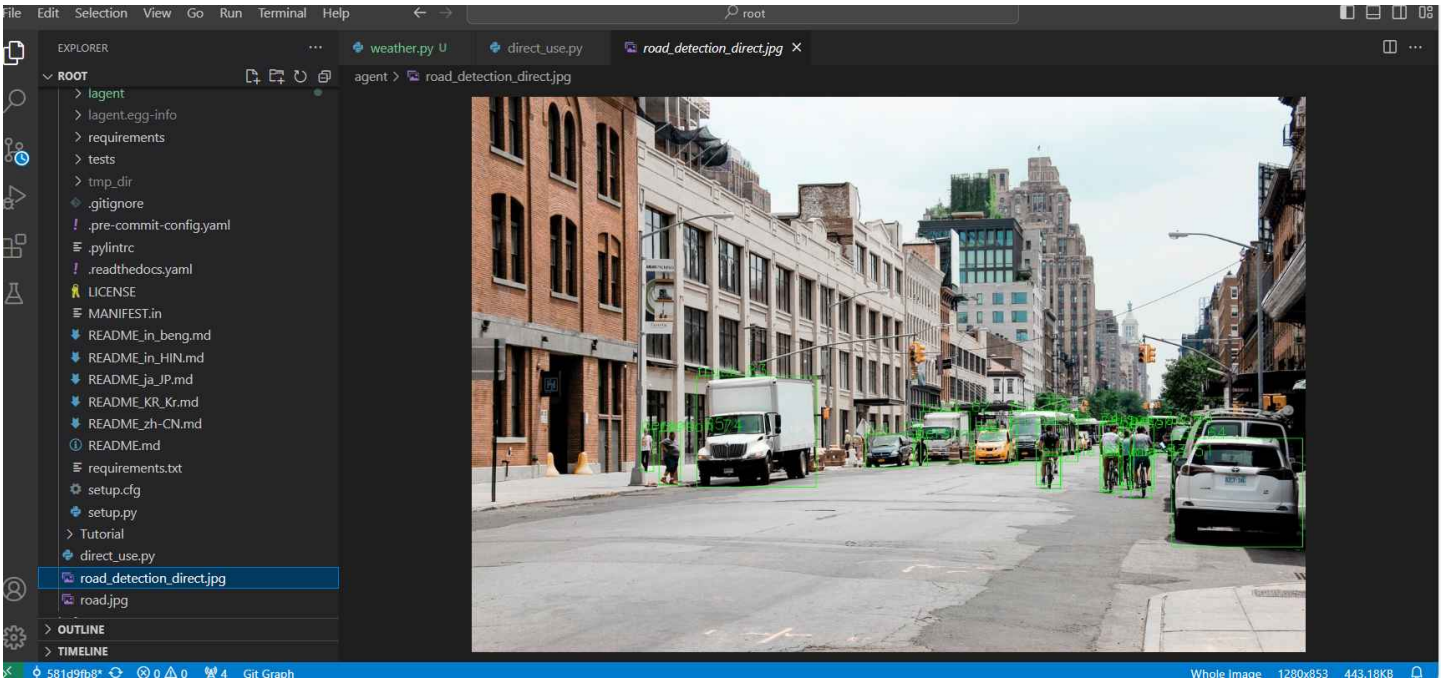
1. Lagent Web Demo

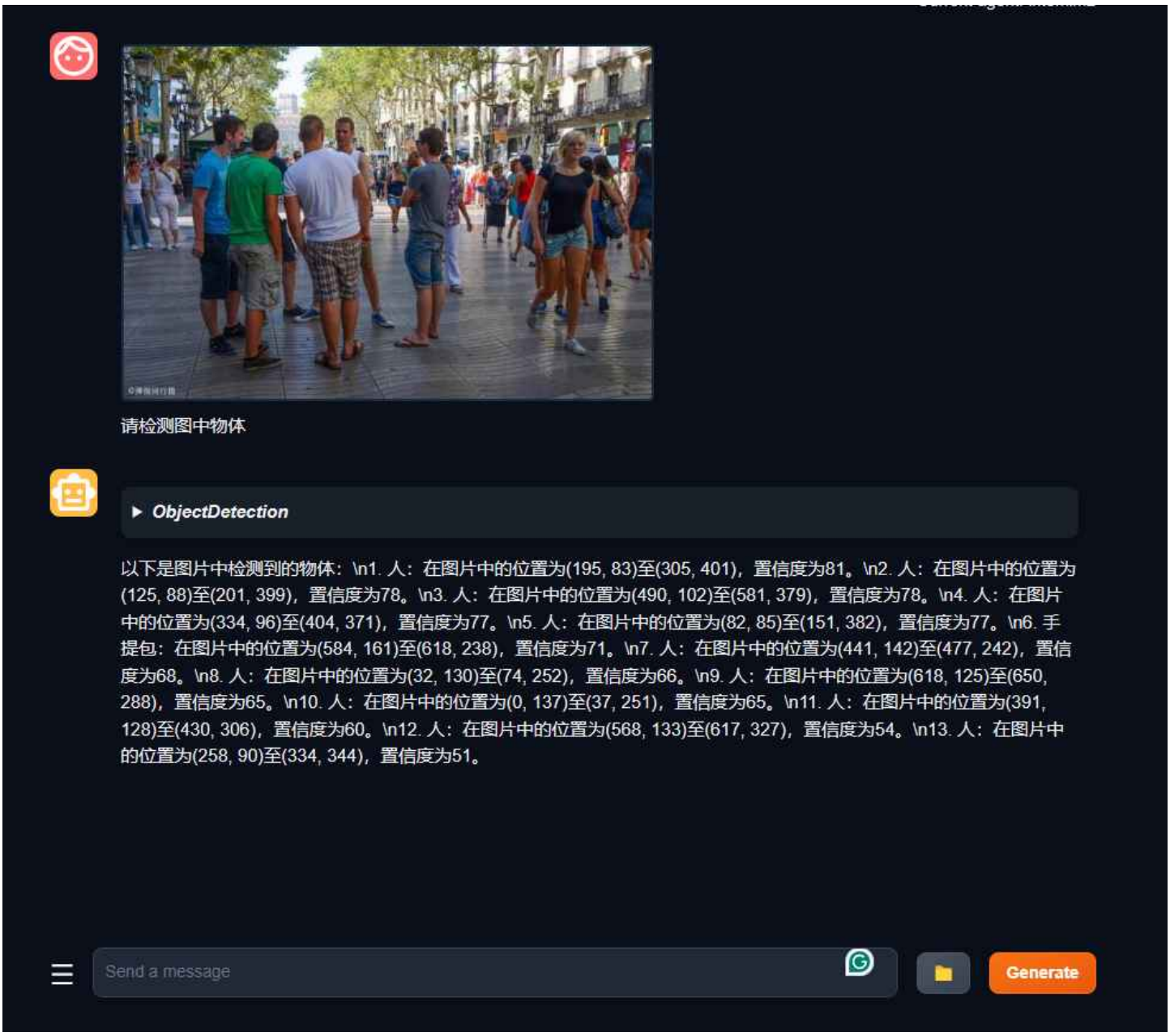
和风天气：

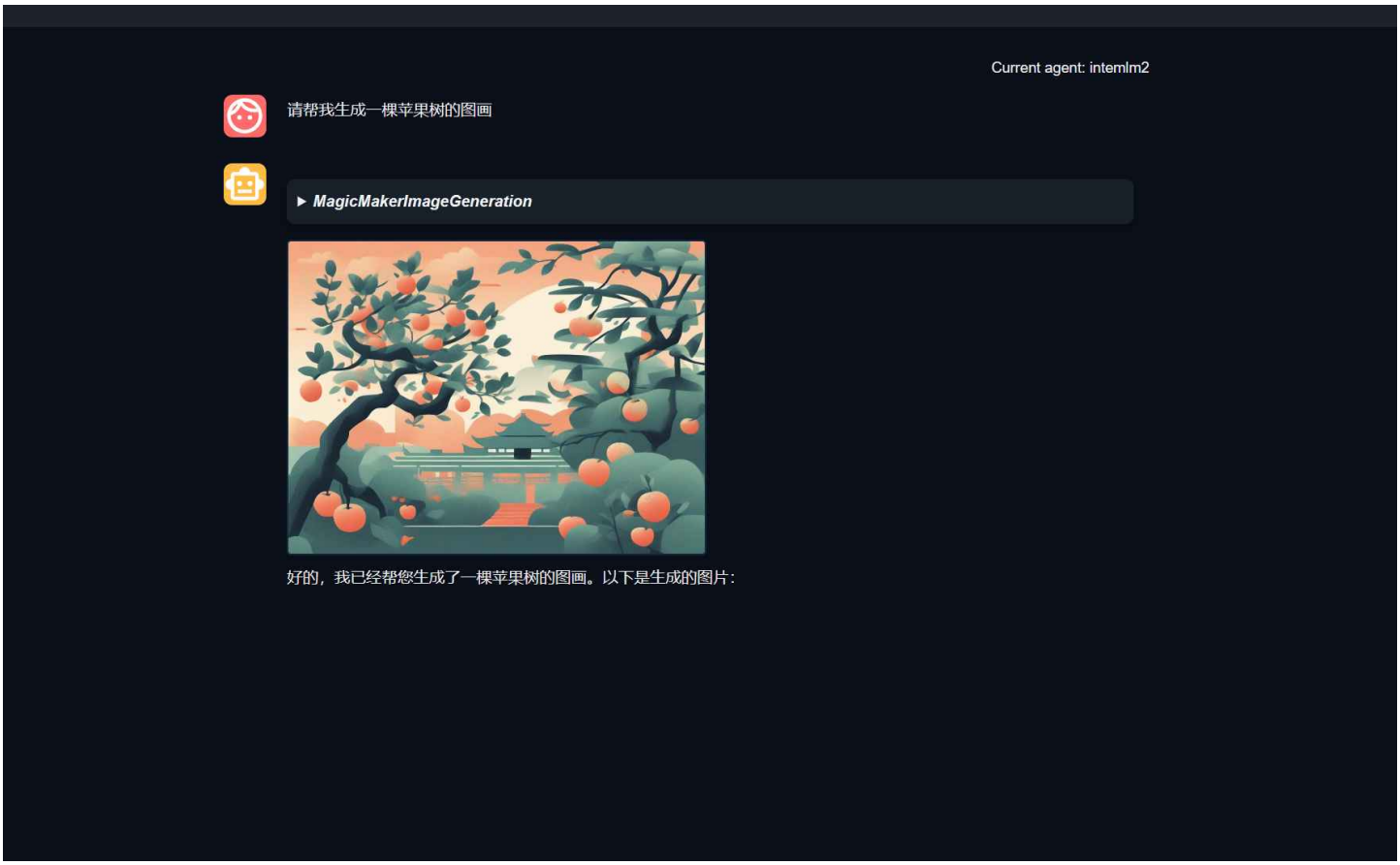
AgentLego：组装智能体“乐高”

```
  Using cached https://pypi.tuna.tsinghua.edu.cn/packages/6f/40/4ab1fdb57fced80ce5903f04ae1aed7c1d5939dda4fd0c0aa526c12fe28a/kiwisolver-1.4.5-cp310-cp310-manylinux_2_12_x86_64.manylinux2010_x86_64.whl (1.6 MB)
Collecting pyparsing>=2.3.1 (from matplotlib->mmdet==3.3.0)
  Using cached https://pypi.tuna.tsinghua.edu.cn/packages/9d/ea/6d76df31432a0e6fdf81681a895f009a4bb47b3c39036db3e1b528191d52/pyparsing-3.1.2-py3-none-any.whl (103 kB)
Requirement already satisfied: python-dateutil>=2.7 in /root/.conda/envs/agent/lib/python3.10/site-packages (from matplotlib->mmdet==3.3.0) (2.9.0.post0)
Requirement already satisfied: markdown-it-py>=2.2.0 in /root/.conda/envs/agent/lib/python3.10/site-packages (from rich->mmengine<1.0.0,>=0.7.1->mmdet==3.3.0) (3.0.0)
Requirement already satisfied: pygments<3.0.0,>=2.13.0 in /root/.conda/envs/agent/lib/python3.10/site-packages (from rich->mmengine<1.0.0,>=0.7.1->mmdet==3.3.0) (2.17.2)
Requirement already satisfied: importlib-metadata>=6.6.0 in /root/.conda/envs/agent/lib/python3.10/site-packages (from yapf->mmcv<2.2.0,>=2.0.0rc4->mmdet==3.3.0) (7.1.0)
Requirement already satisfied: platformdirs>=3.5.1 in /root/.conda/envs/agent/lib/python3.10/site-packages (from yapf->mmcv<2.2.0,>=2.0.0rc4->mmdet==3.3.0) (4.2.1)
Requirement already satisfied: tomli>=2.0.1 in /root/.conda/envs/agent/lib/python3.10/site-packages (from yapf->mmcv<2.2.0,>=2.0.0rc4->mmdet==3.3.0) (2.0.1)
Requirement already satisfied: zipp>=0.5 in /root/.conda/envs/agent/lib/python3.10/site-packages (from importlib-metadata>=6.6.0->yapf->mmcv<2.2.0,>=2.0.0rc4->mmdet==3.3.0) (3.18.1)
Requirement already satisfied: mdurl~=0.1 in /root/.conda/envs/agent/lib/python3.10/site-packages (from markdown-it-py>=2.2.0->rich->mmengine<1.0.0,>=0.7.1->mmdet==3.3.0) (0.1.2)
Installing collected packages: terminaltables, shapely, scipy, pyparsing, opencv-python, kiwisolver, fonttools, cycler, contourpy, matplotlib, pycocotools, mmengine, mmcv, mmdet
Successfully installed contourpy-1.2.1 cycler-0.12.1 fonttools-4.51.0 kiwisolver-1.4.5 matplotlib-3.8.4 mmcv-2.1.0 mmdet-3.3.0 mmengine-0.10.4 opencv-python-4.9.0.80 pycocotools-2.0.7 pyparsing-3.1.2 scipy-1.13.0 shapely-2.0.4 terminaltables-3.1.10
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
(agent) root@intern-studio-40017286:~/agent#
(agent) root@intern-studio-40017286:~/agent#
(agent) root@intern-studio-40017286:~/agent# touch /root/agent/direct_use.py
(agent) root@intern-studio-40017286:~/agent# python /root/agent/direct_use.py
Loads checkpoint by http backend from path: https://download.openmmlab.com/mmdetection/v3.0/rtmdet/rtmdet_l_8xb32-300e_coco/rtmdet_l_8xb32-300e_coco_20220719_112030-5a0be7c4.pth
Downloading: "https://download.openmmlab.com/mmdetection/v3.0/rtmdet/rtmdet_l_8xb32-300e_coco/rtmdet_l_8xb32-300e_coco_20220719_112030-5a0be7c4.pth" to /root/.cache/torch/hub/checkpoints/rtmdet_l_8xb32-300e_coco_20220719_112030-5a0be7c4.pth
100%|████████████████████████████████████████████████████████████████████████████████| 433M/433M [00:32<00:00, 13.9MB/s]
```

```
05/02 23:10:17 - mmengine - WARNING - Failed to search registry with scope "mmdet" in the "function" registry tree. As a workaround, the current "function" registry in "mmengine" is used to build instance. This may cause unexpected failure when running the built modules. Please check whether "mmdet" is a correct scope, or whether the registry is initialized.
/root/.conda/envs/agent/lib/python3.10/site-packages/mmengine/visualization/visualizer.py:196: UserWarning: Failed to add <class 'mmengine.visualization.vis_backend.LocalVisBackend'>, please provide the `save_dir` argument.
  warnings.warn(f'Failed to add {vis_backend.__class__}, '
/root/.conda/envs/agent/lib/python3.10/site-packages/torch/functional.py:504: UserWarning: torch.meshgrid: in an upcoming release, it will be required to pass the indexing argument.
(Triggered internally at /opt/conda/conda-bld/pytorch_1702400410390/work/aten/src/ATen/native/TensorShape.cpp:3526.)
  return _VF.meshgrid(tensors, **kwargs)  # type: ignore[attr-defined]
Inference
truck (345, 428, 528, 599), score 83
car (771, 510, 837, 565), score 81
car (604, 518, 677, 569), score 75
person (866, 503, 905, 595), score 74
person (287, 513, 320, 596), score 74
person (964, 501, 999, 604), score 72
person (1009, 503, 1047, 602), score 69
person (259, 510, 279, 575), score 65
car (1074, 524, 1275, 691), score 64
person (993, 508, 1016, 597), score 62
truck (689, 483, 764, 561), score 62
bicycle (873, 551, 903, 602), score 60
person (680, 523, 699, 567), score 55
bicycle (968, 551, 996, 609), score 53
bus (826, 482, 930, 560), score 52
bicycle (1011, 551, 1043, 617), score 51
(agent) root@intern-studio-40017286:~/agent#
```


File Edit Selection View Go Run Terminal Help
root
EXPLORER
weather.py U
direct_use.py
road_detection_direct.jpg
agent > road_detection_direct.jpg
ROOT
lagent
lagent.egg-info
requirements
tests
tmp_dir
.gitignore
.pre-commit-config.yaml
.pylintrc
.readthedocs.yaml
LICENSE
MANIFEST.in
README_in_beng.md
README_in_HIN.md
README_ja_JP.md
README_KR_Kr.md
README_zh-CN.md
README.md
requirements.txt
setup.cfg
setup.py
Tutorial
direct_use.py
road_detection_direct.jpg
road.jpg
OUTLINE
TIMELINE
Git Graph
Whole Image
1280x853
443.18KB


请检测图中物体
ObjectDetection
以下是图片中检测到的物体：\n1. 人：在图片中的位置为(195, 83)至(305, 401)，置信度为81。\n2. 人：在图片中的位置为(125, 88)至(201, 399)，置信度为78。\n3. 人：在图片中的位置为(490, 102)至(581, 379)，置信度为78。\n4. 人：在图片中的位置为(334, 96)至(404, 371)，置信度为77。\n5. 人：在图片中的位置为(82, 85)至(151, 382)，置信度为77。\n6. 手提包：在图片中的位置为(584, 161)至(618, 238)，置信度为71。\n7. 人：在图片中的位置为(441, 142)至(477, 242)，置信度为68。\n8. 人：在图片中的位置为(32, 130)至(74, 252)，置信度为66。\n9. 人：在图片中的位置为(618, 125)至(650, 288)，置信度为65。\n10. 人：在图片中的位置为(0, 137)至(37, 251)，置信度为65。\n11. 人：在图片中的位置为(391, 128)至(430, 306)，置信度为60。\n12. 人：在图片中的位置为(568, 133)至(617, 327)，置信度为54。\n13. 人：在图片中的位置为(258, 90)至(334, 344)，置信度为51。
Send a message
Generate

用 AgentLego 自定义工具

图画生成