UDACITY

PROJECT

Joy Ride

A part of the Intro to Self-Driving Cars Program

PROJECT REVIEW

CODE REVIEW

NOTES

SHARE YOUR ACCOMPLISHMENT!

Meets Specifications

Brilliant student,
This work shows lots of effort and time has been put into this work to achieve this submission. I must commend the effort and acknowledge the fact that you have a master of the course content at your palm. Please keep up the spirit and remain brilliant. Good luck with your udacity journey.

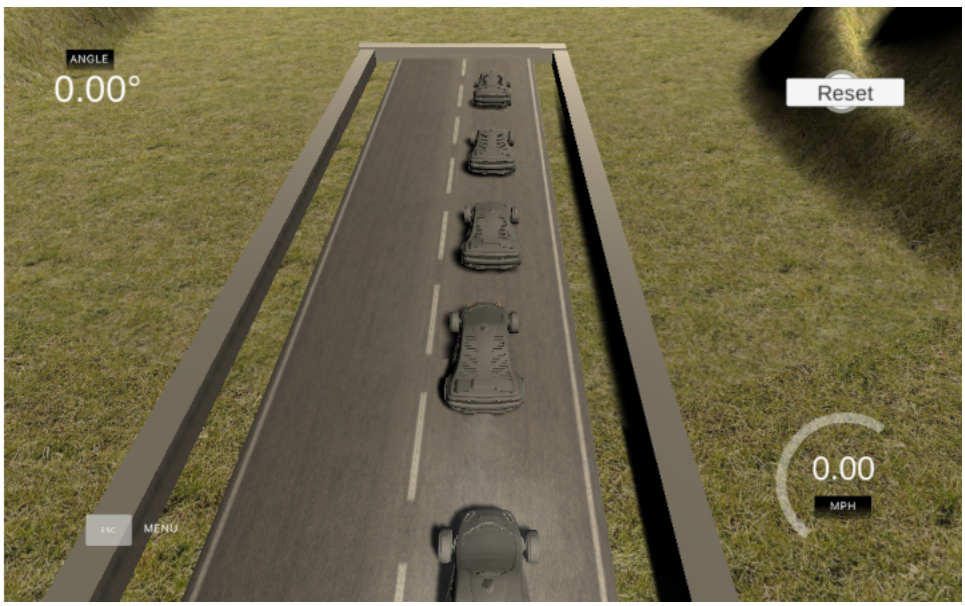
Here are some links for good programming practices.

- Top 15+ Best Practices
- Good Programming Practice

Successful Completion of Maneuvers

The `park` function causes the car to parallel park in the right lane without going off the road or hitting any of the other vehicles.

Nice job, your code is well separated into blocks and well commented showing the different steps involved in the parking of the car. The car drives perfectly and doesn't even comes close to any other car. The parking is exceptionally done. 👍



```
from Car import Car
import time

def park(car):
    """
    Parks the car lenghwards on the right lane
    car: The car object
    """

    # back up so we are side by side to the last car first of all
    car.steer(0.0)
    car.gas(-0.5)
    time.sleep(0.5) # note how time.sleep works

    # steer max rightwards so we would also get into small slots
    car.steer(25.0)
    car.gas(-0.5)
    time.sleep(2.65)

    # steer max leftwards to realign car again
    car.steer(-25.0)
    car.gas(-0.5)
    time.sleep(2.65)

    # recenter direction and brake the car down to hold
    car.steer(0.0)
    car.gas(0.39)  # counter the backwards acceleration first
    time.sleep(0.5)
    car.gas(0.0)   # brake completely then
    time.sleep(1.0)

car = Car()
park(car)
```

More In-depth Knowledge

- How self-parking car technology works
- Development of automated parallel parking system in small mobile
- Automated Parallel Parking
- Autonomous Car: Automate parallel parking
- Automated Parallel Parking Robotic Car

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