CS 588 - consistency check

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Date, format, group members for homework 1 (PID on sim) submission:
2022.12.17 pdf+code Group members: Jingyu Li, Shujing Yang, Siwei Zhang
Yutao Zhou, Yu Zhang

Date, format, group members for vehicle exercise 1 (flashing) submission:
2022.12.17 pdf+code Group members: Jingyu Li, Shujing Yang, Siwei Zhang
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Date, format, group members for vehicle exercise 2 (braking) submission:
2022.12.17 pdf+code Group members: Jingyu Li, Shujing Yang, Siwei Zhang
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Date, format, group members for vehicle exercise 3 (SLAM) submission:
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Date, format, group members for vehicle exercise 4 (GPS) submission:
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Date, format, group members for final project submission:
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One sentence description of final project:

This project involves using computer vision and machine learning techniques to accurately identify and classify different types of objects in the environment, such as stop signs, pedestrians, and vehicles.

The project simulates the real-world scenario of the vehicle. At first, the vehicle moves forward with some speed. When it gets close and encounters the stop sign/pedestrians/other cars, the vehicle will brake and stop for a while, waiting for the signal to disappear (people pass across the road or the car moves along the intersection). When the vehicle can no longer detect the signal, it will resume moving forward with the previous speed.

Overall, this is a practical and interesting project. The project combines the object detection, vehicle sensor, and pid speed control techniques. It makes the vehicle really "autonomous".