```python
# Example usage
car = DriverlessCar()
car.drive(target_speed=100)

road_sign_detection = RoadSignDetection()
sign_text = road_sign_detection.detect_sign()
print("Detected Road Sign:", sign_text)

# Simulating the need to stop due to object detected by Lidar
car.lidar_sensor.measureDistance()
if car.lidar_sensor.object_distance < 10 or car.lidar_sensor.distance_rate_change>5:
    car.stop()

# Simulating the need to stop due to an obstacle detected by the camera
car.camera.capture_image()
if car.camera.image is not None:
    car.stop()


def test_driverless_car():
    car = DriverlessCar()
    car.drive(target_speed=100)
    assert car.speed == 100
    assert car.state == "driving"

    car.stop()
    assert car.speed == 0
    assert car.state == "stopped"

    car.park()
    assert car.speed == 0
    assert car.state == "parked"

# Run the test
test_driverless_car()
```