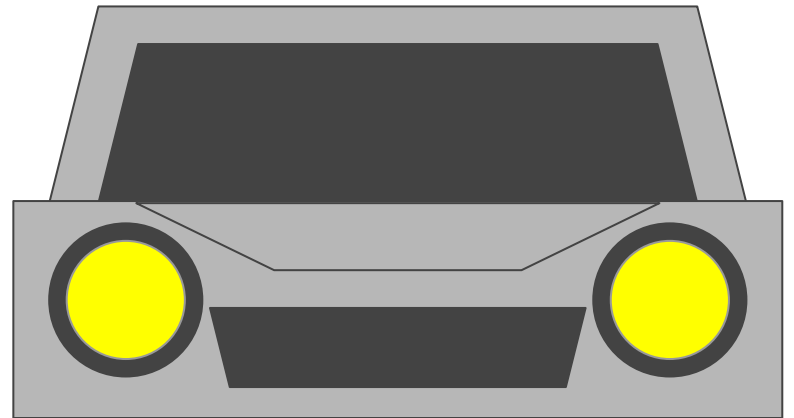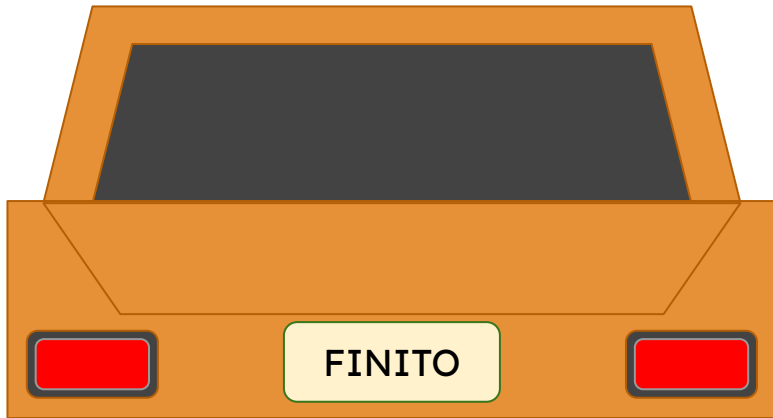John Vitali
Brennan Pike
Isaya Danice

Collaborative Control
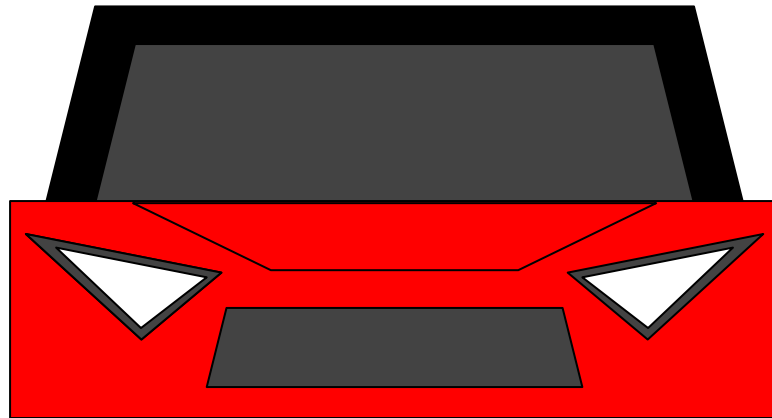# Of Autonomous Cars
Milestone 6 Report

FINITO

Overall Progress

Final Adjustments to Local Planner for Collaborative Control - 100%

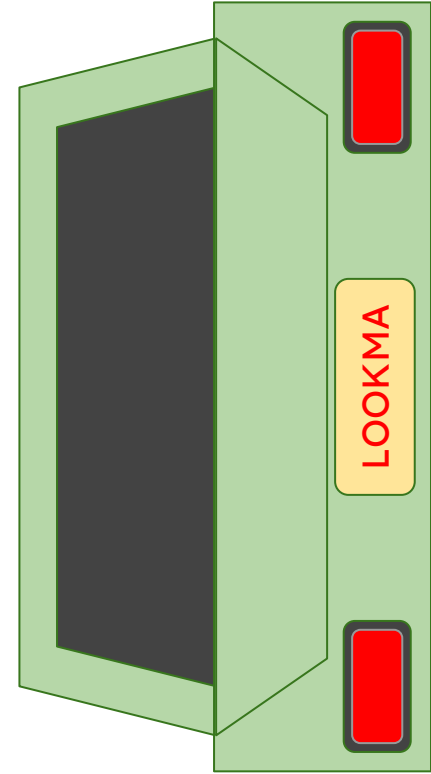Logitech Steering Wheel Haptic Feedback - 90%

Scenarios Implementation using RoadRunner - 90%

Putting Everything Together - 100%

Final Adjustments to Local Planner

- Car no longer believes it is at a red light when it is not
- Further changes to collaborative control to increase ease of handoff
- No further changes necessary

LOOKMA

Implementation of Terrain Based Feedback

- Force Feedback based on the type of road is possible
  - However, the problem is most roads in CARLA are the same, for our purposes
    - We do not go off-road and stay on highway or city roads
  - The only feedback that would be implemented is if the user drove up on a curb/sidewalk
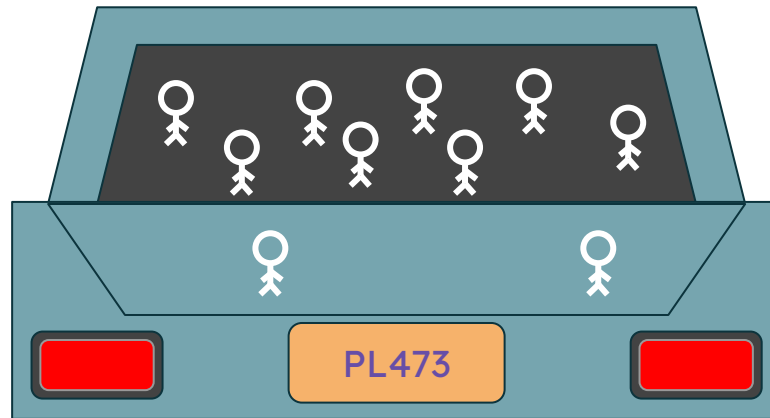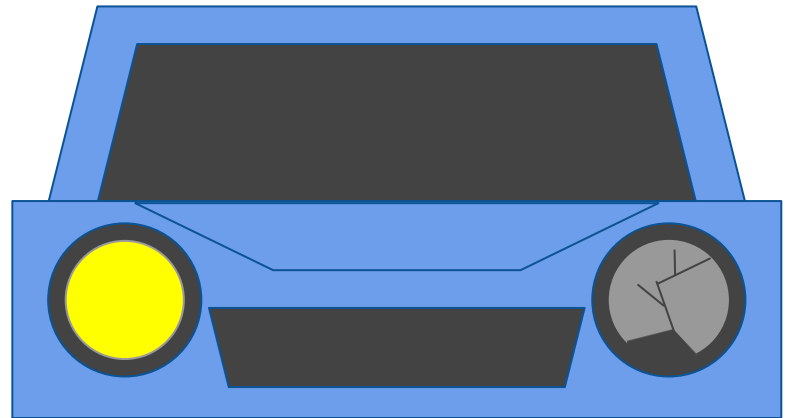
Scenario Implementation

- Implemented scenarios using RoadRunner:
  - Exported to carla in xosc format
- Two maps (city like and suburb) were kept separate
  - Combining them caused errors we had not time to fix
  - Would have to reload world every time we want to run a simulation with the desired map

RSHJB
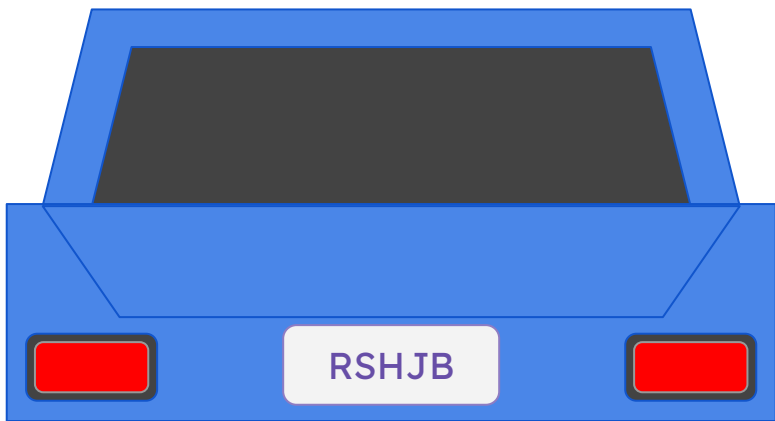
Putting Everything Together

- All files have been condensed into one file (Dashboard & Collab Control)
  - This does not include the custom maps, those must be loaded separately from the Collaborative Control file

Questions?

TAXI

HOW'S MY DRIVING?
Call 555-55-CARLA

F1NL3