

Below is the steps for running this project:

- If this is not first time running, remove previous folder first using:

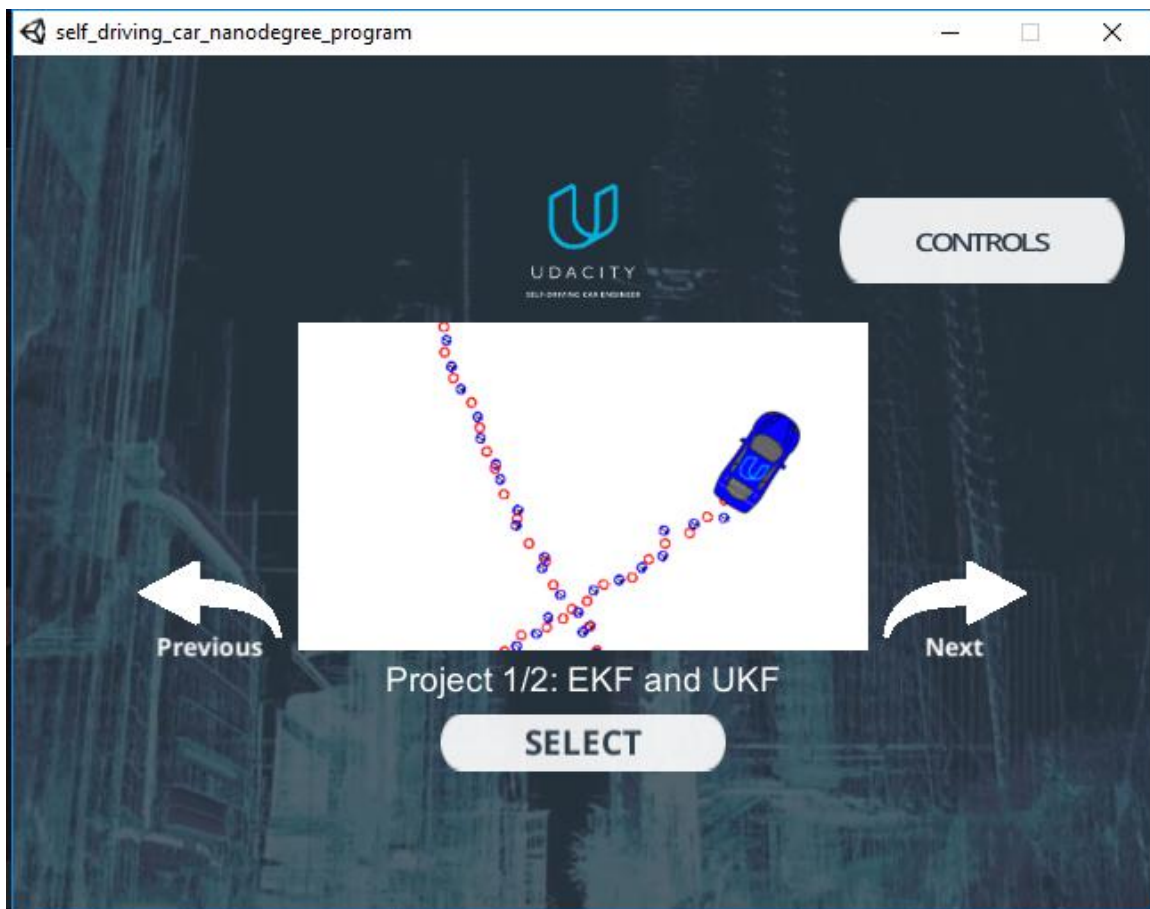
```
rm -R CarND-Unscented-Kalman-Filter-Project-master
```

- You may need to select 'y' for certain file while removing folder. Post that, you can run below code to start project running:

```
git clone https://github.com/MagicSHX/CarND-Unscented-Kalman-Filter-Project-master.git
cd CarND-Unscented-Kalman-Filter-Project-master
mkdir build && cd build
cmake .. && make
```

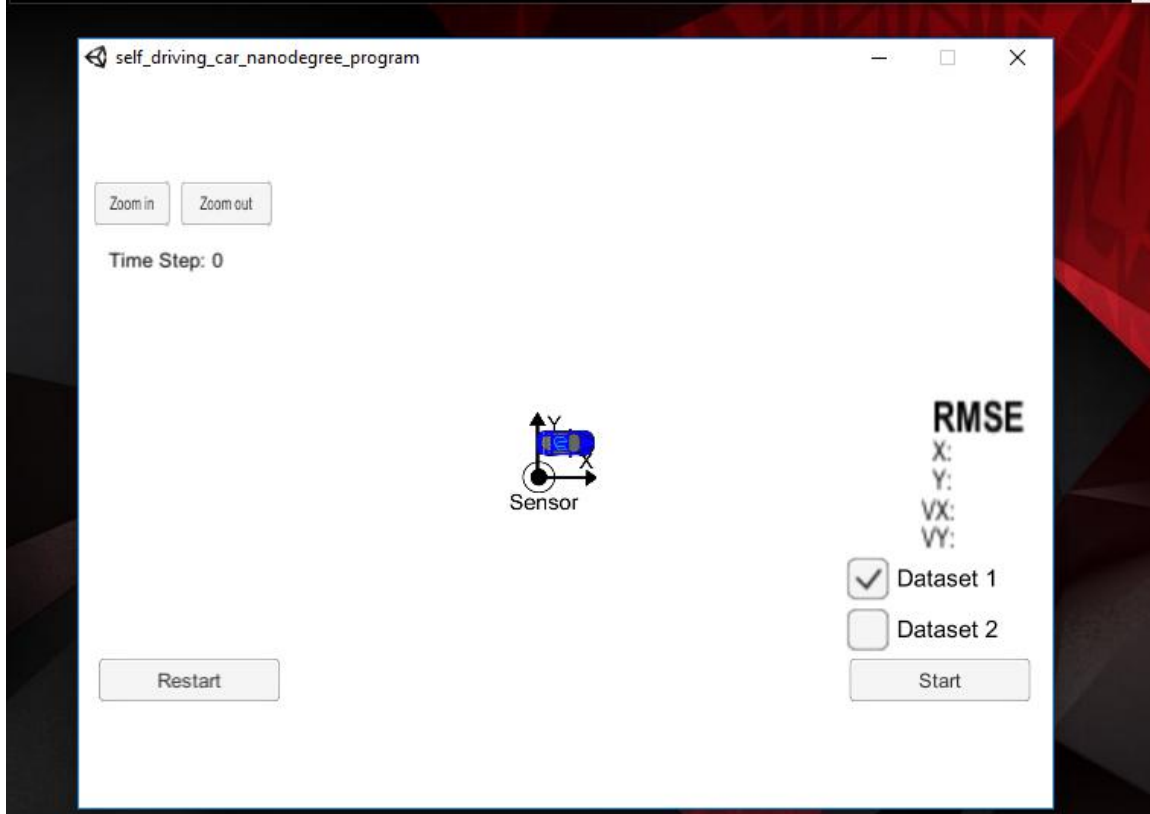
- Last step: making sure simulation started before running below code in ubuntu:

```
./UnscentedKF
```



```
magic@DESKTOP-BDRQE8M: ~/CarND-Unscented-Kalman-Filter-Project-master/build
magic@DESKTOP-BDRQE8M:~$ cd CarND-Unscented-Kalman-Filter-Project-master
magic@DESKTOP-BDRQE8M:~/CarND-Unscented-Kalman-Filter-Project-master$ cd build
magic@DESKTOP-BDRQE8M:~/CarND-Unscented-Kalman-Filter-Project-master/build$ ./UnscentedKF
Listening to port 4567
```

```
magic@DESKTOP-BDRQE8M: ~/CarND-Unscented-Kalman-Filter-Project-master/build
magic@DESKTOP-BDRQE8M:~$ cd CarND-Unscented-Kalman-Filter-Project-master
magic@DESKTOP-BDRQE8M:~/CarND-Unscented-Kalman-Filter-Project-master$ cd build
magic@DESKTOP-BDRQE8M:~/CarND-Unscented-Kalman-Filter-Project-master/build$ ./UnscentedKF
Listening to port 4567
Connected!!!
```



In the end, this is the result:

self\_driving\_car\_nanodegree\_program

Zoom in

Zoom out

Time Step: 499



Restart

**RMSE**

X: 0.0655

Y: 0.0828

VX: 0.3318

VY: 0.2136

☒ Dataset 1

☐ Dataset 2

Start

Zoom in

Zoom out

Time Step: 498

