The Commitment
Remote controlled via wire connecting controller to car. Remote control can move the car forward and cause it to turn. There will be one speed.

Ebenezer – Create the control signals from user input that are sent to the car
Andres – Create the motor circuitry from the control signal input
Alex – ensure compatibility between controller and car and create any circuitry needed to modify the control signals so they are compatible with the car

The Goal
The car is radio controlled via wireless FM transmission/reception or through optical cable. The car will move at variable speed, move forward, backward, and turn in either direction.

Ebenezer – Create the control signals from user input that are sent to the car
Andres – Create the motor circuitry from the control signal input
Alex – create FM transmitter/receiver or optical cable circuitry

The Stretch Goal
The car can detect when it will run into large objects (like walls) and stop itself from moving forward. It will also have added features such as a turning on a siren from the controller and wirelessly lighting up LEDs on the car.

Ebenezer – Create siren and LED control signals, superimposed on transmitted signals from controller to receiver
Andres – Use photodetector output to halt car
Alex – Create photodetector sensor circuitry