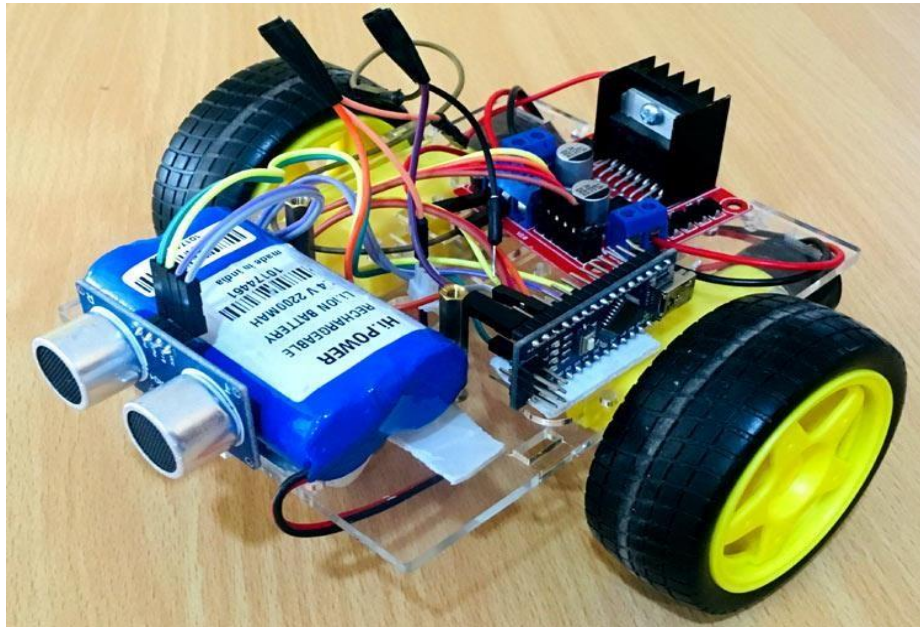


# ULTRASONIC OBSTACLE-AVOIDING ROBOT

## Description:

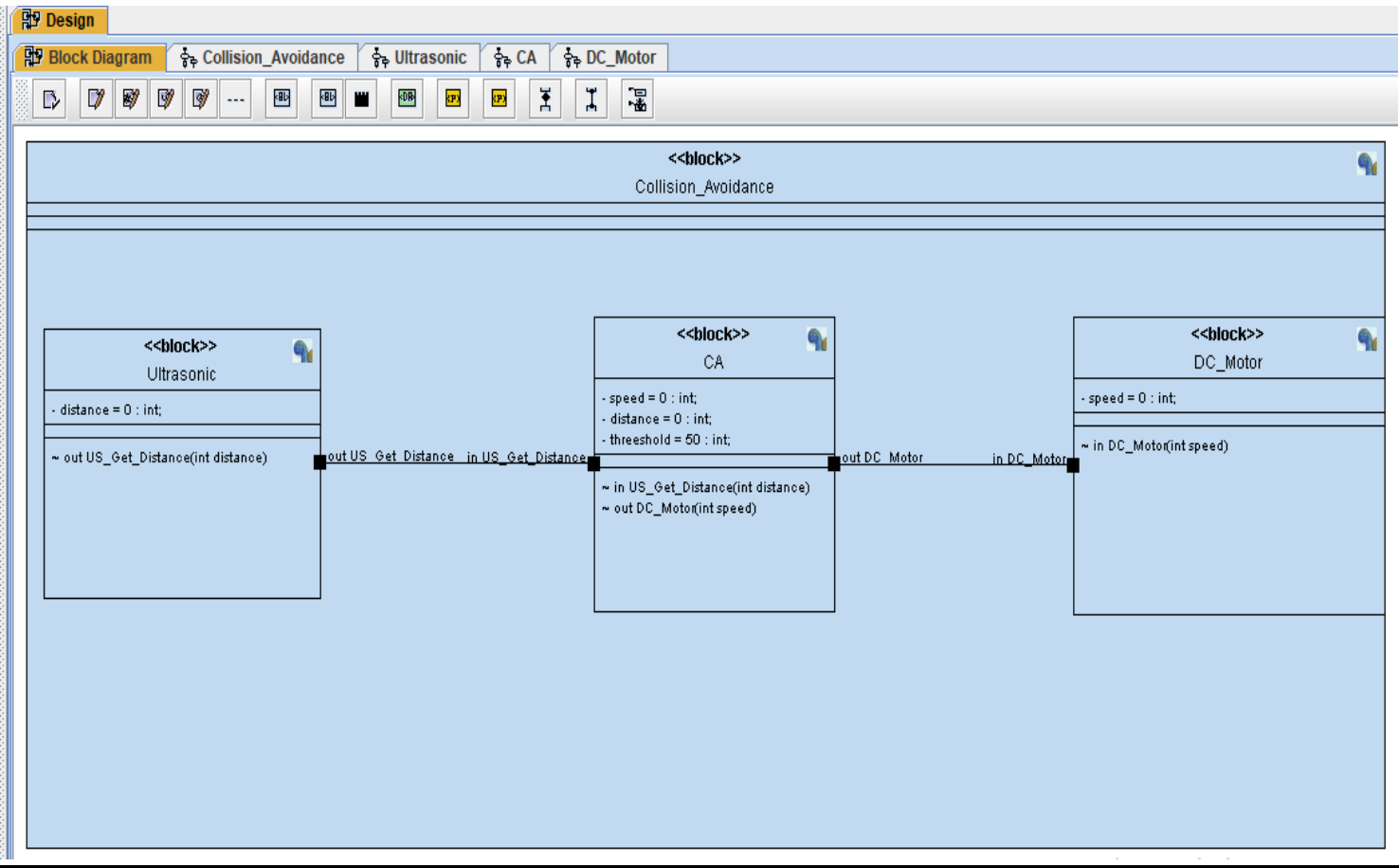
The project is based on a vehicle that detects obstacles ahead of it and tries to avoid hitting them



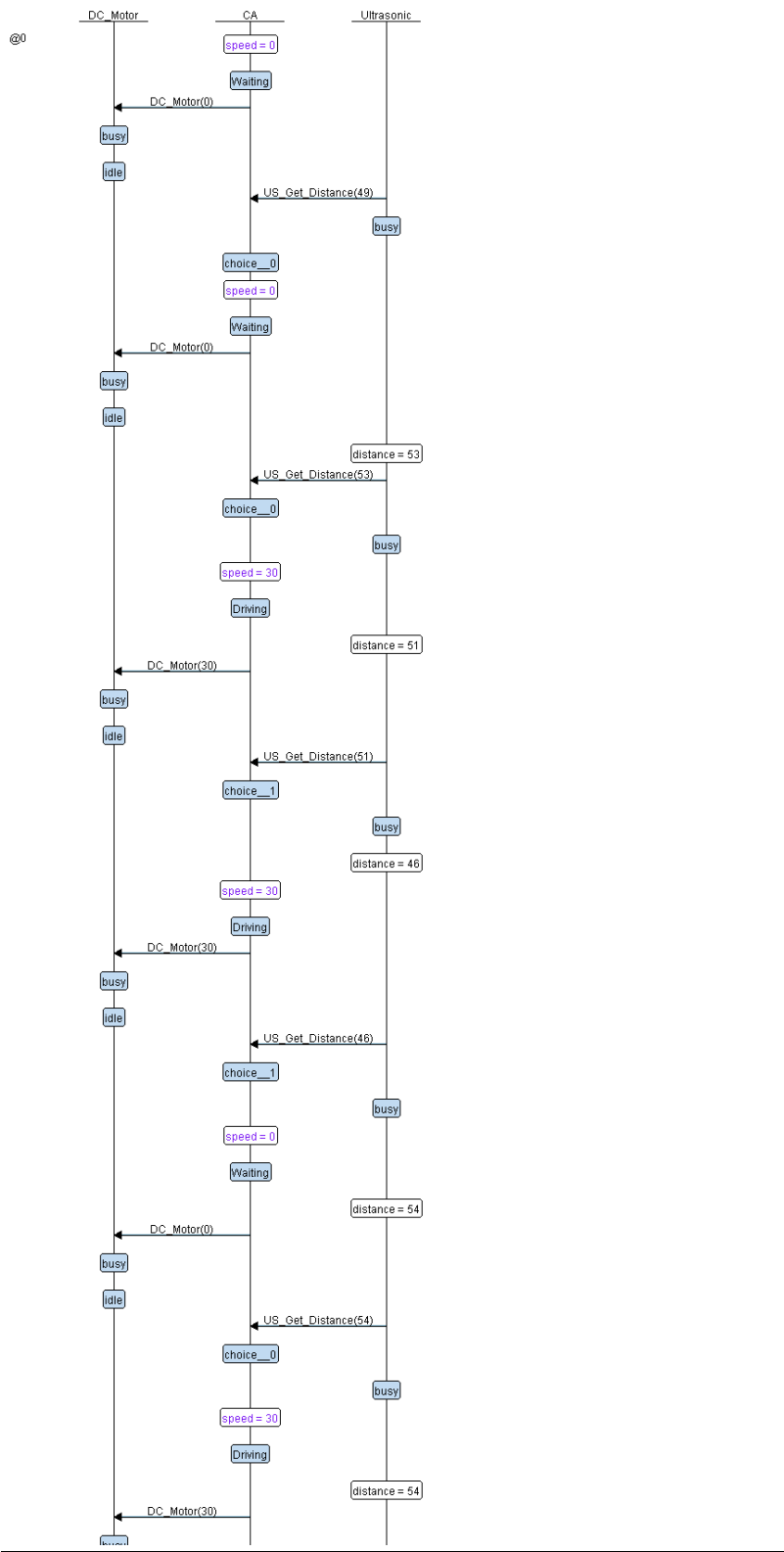
## Requirements:

- The vehicle moves forward reading distance periodically using ultrasonic sensor.
- If the distance is less than or equal the pre-defined threshold, the vehicle should stop.
- If the distance is more than the pre-defined threshold, the vehicle should move.

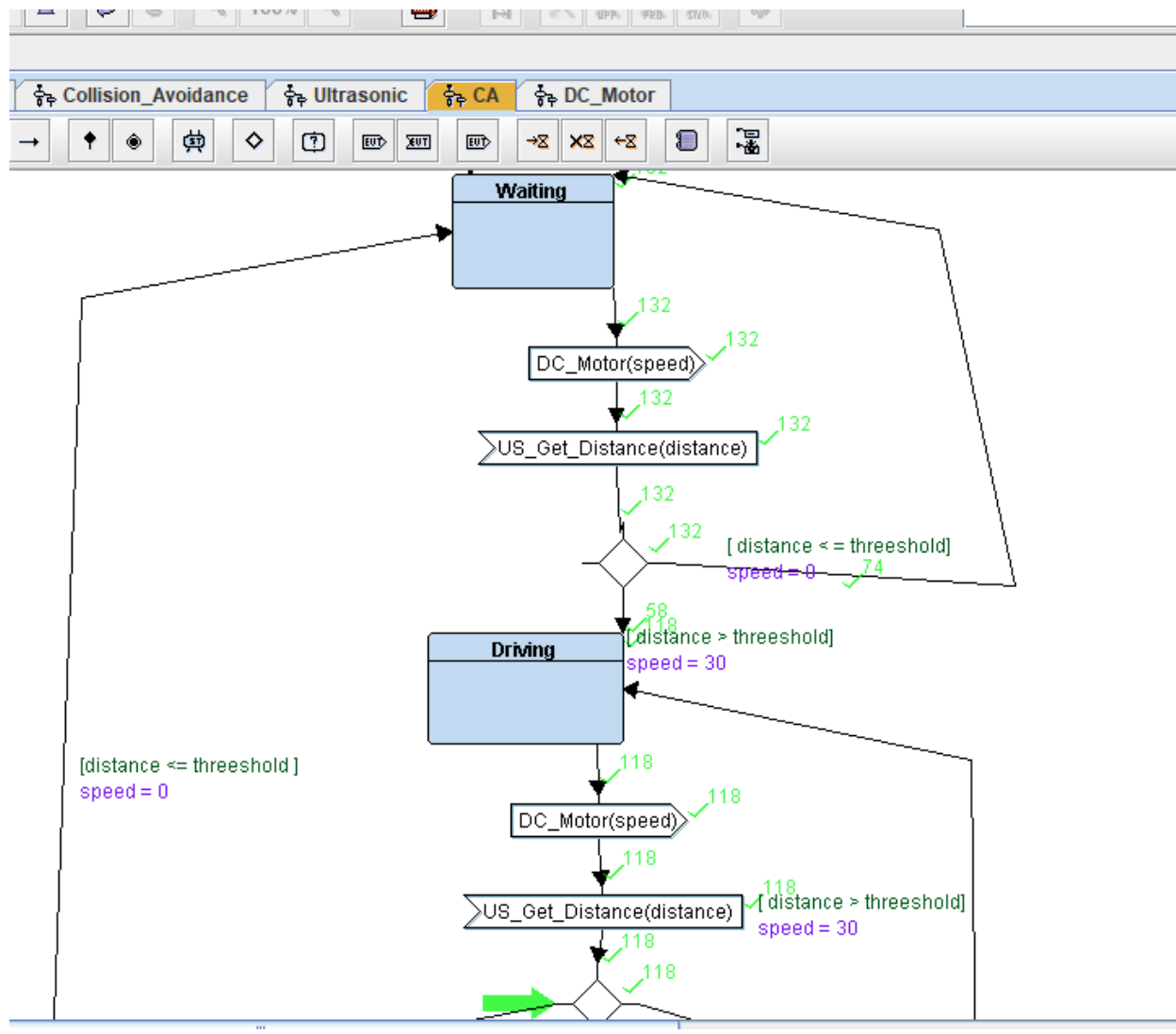
# Block Diagram:



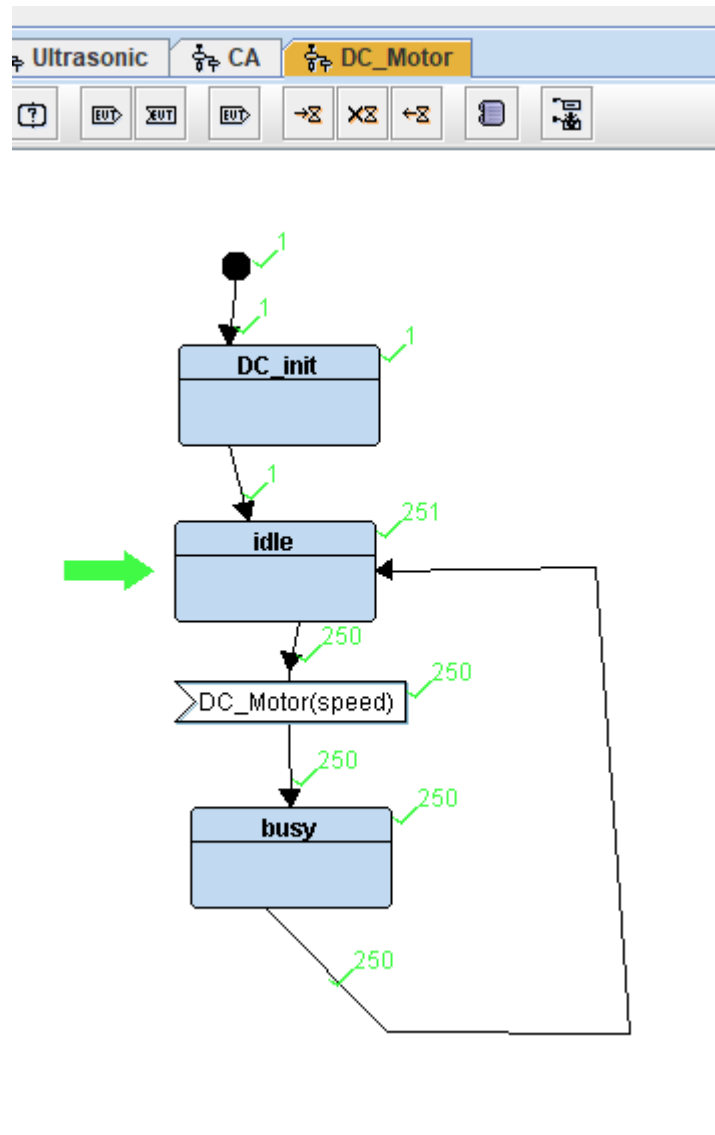
# Dynamic Design:



## CA Block:



## DC Motor Block:



## Ultrasonic Sensor Block:

