Project #1: Controlled Car using Mobile Application

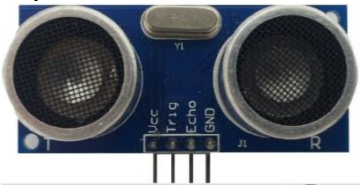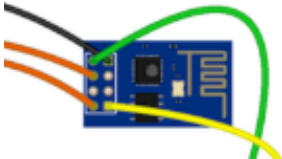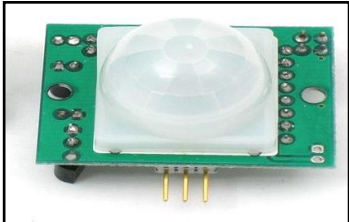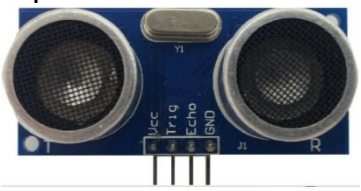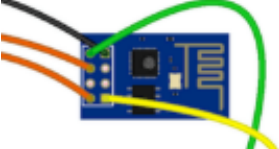| No.	Item	Qty
1	PCBWay Smart car shield rev.2	1
2	DC motor generic	4
3	Servo Motor	1
4	Mobile application to control a car	1
5	Mobile or tablet	1

Additional Items for the project

No.	Item	Qty	No.	Item	Qty
1	Arduino UNO R3 with USB cable	1	5	Wireless module (RF)	1
2	4-pin Ultra-sonic Sensor (HC-SR04)	1	6	Wireless module (ESP826)	2
3	3-pin PIR motion detection sensor	1	7	3-pin temperature sensor (LM35)	3
4	• Female-to-male jumper cables • Male-to-male jumper cables • Female -to-female jumper cables	20 20 20	8	2-Slot Beard board	1

Project #2: Controlled Car using Wireless-Joystick

No.	Item	Qty
1	PCBWay Smart car shield rev.2	1
2	DC motor generic	4
3	Servo Motor	1
4	Joystick for Arduino	1

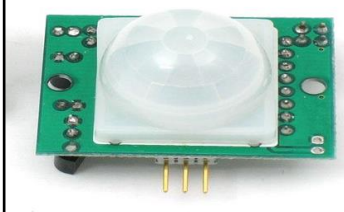## Additional Items for the project

No.	Item	Qty	No.	Item	Qty
1	Arduino UNO R3 with USB cable	2	5	Wireless module (RF)	1
2	4-pin Ultra-sonic Sensor (HC-SR04)	1	6	Wireless module (ESP826)	2
3	3-pin PIR motion detection sensor	1	7	3-pin temperature sensor (LM35)	3
4	• Female-to-male jumper cables • Male-to-male jumper cables • Female -to-female jumper cables	20 20 20	8	2-Slot Beard board	1