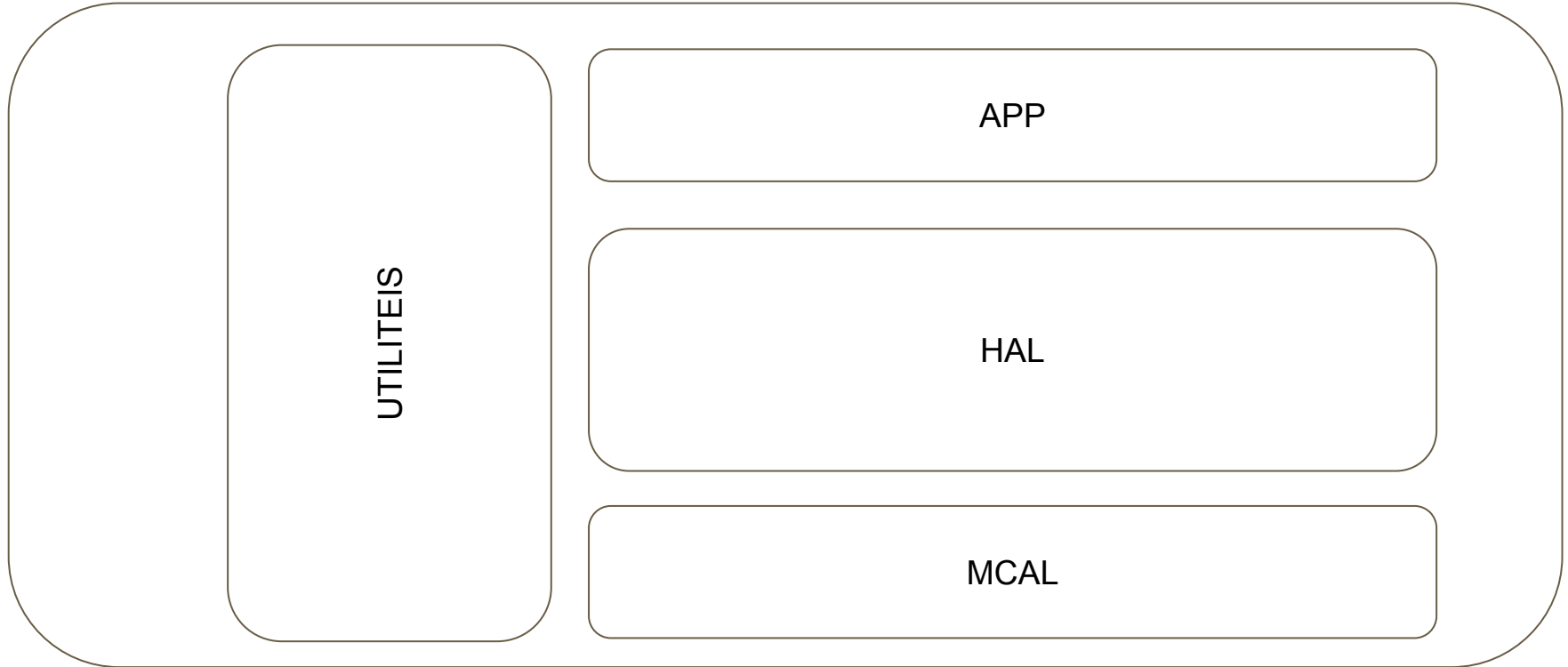# Obstacle Avoidance Car

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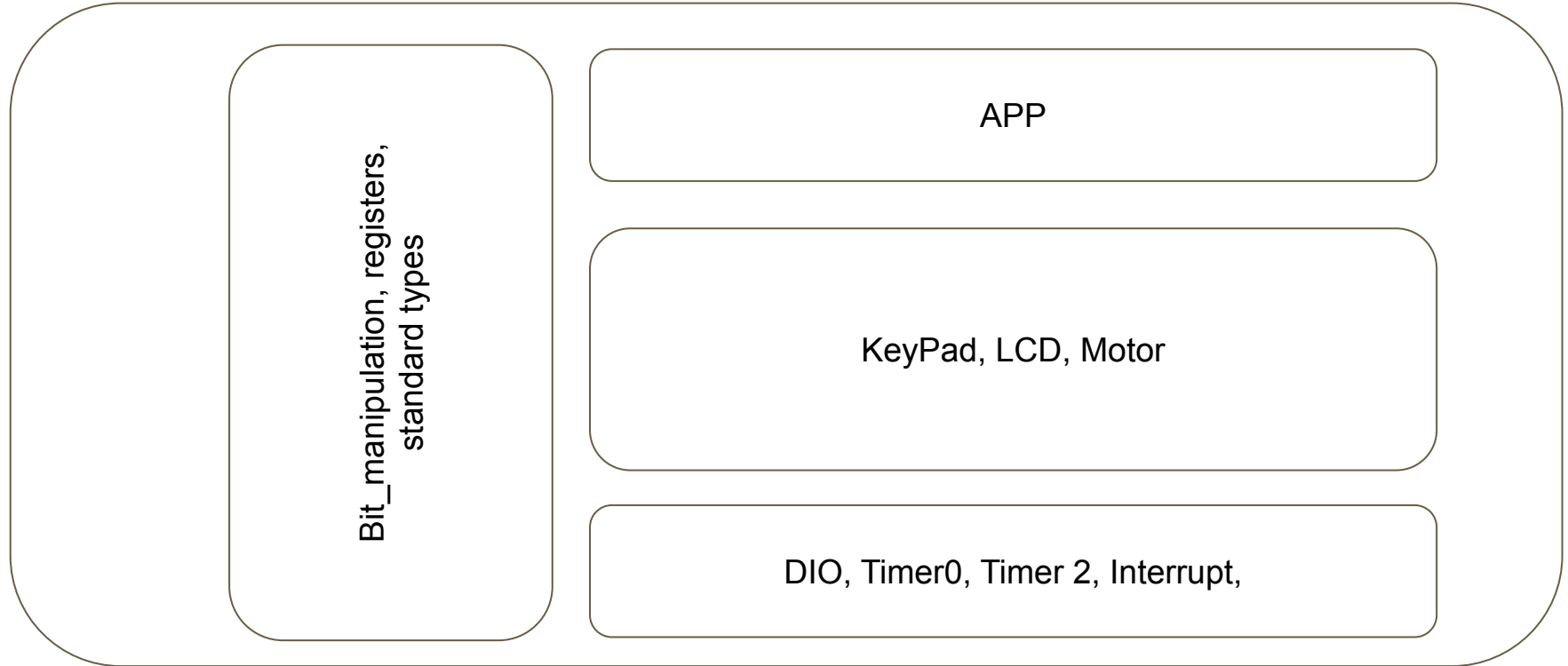- Modules/Drivers
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Project Description

The car starts from zero speed. The default rotation direction is to the right. Press PB2 to start or stop the robot. After pressing start, the LCD will display default rotation direction and wait for 5 seconds to choose the rotation direction by Pressing PB1. The robot will move after 2 seconds from setting the default direction. If there is no obstacle for more than 70 cm, the robot will move forward. If there is an obstacle the robot will rotate to the chosen direction of rotation.

Layered architecture

Modules/drivers

Bit_manipulation, registers, standard types

APP

KeyPad, LCD, Motor

DIO, Timer0, Timer 2, Interrupt,

Project flowchart