



Auto Electronics

Part shop



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Functionality

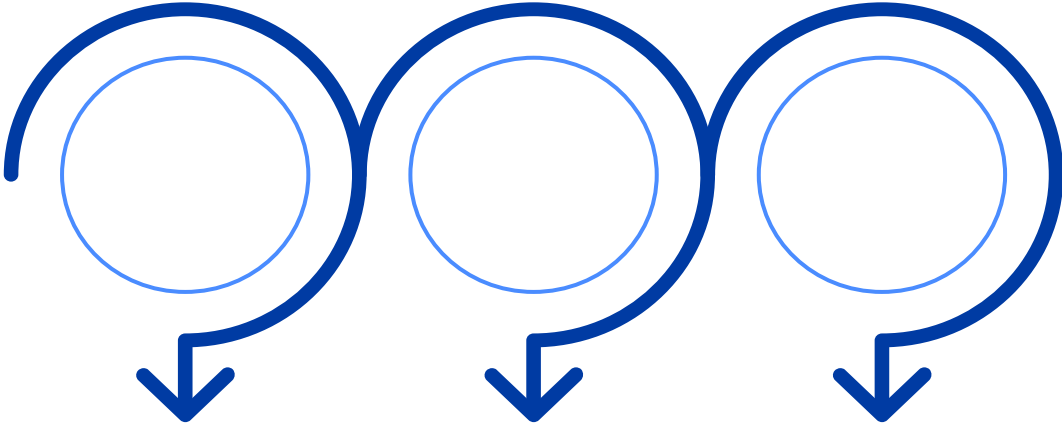
What are the functionalities of our App?

06

Future work

How we can enhance the solution?

The Problem



Parts Small
Sizes

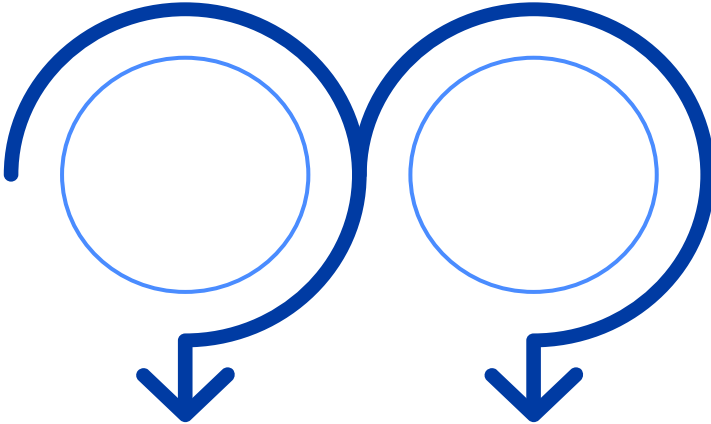
Similarity of
parts shap

Speed of
preparing
orders

Solution

Auto Electronics
Part shop

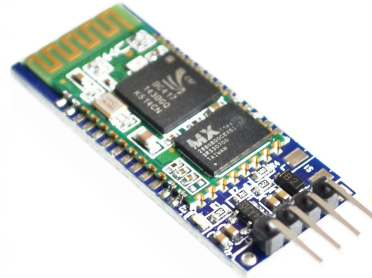
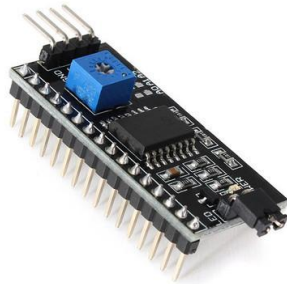
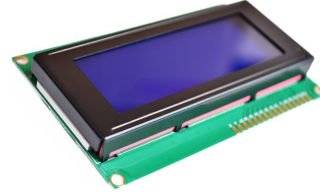
Architecture



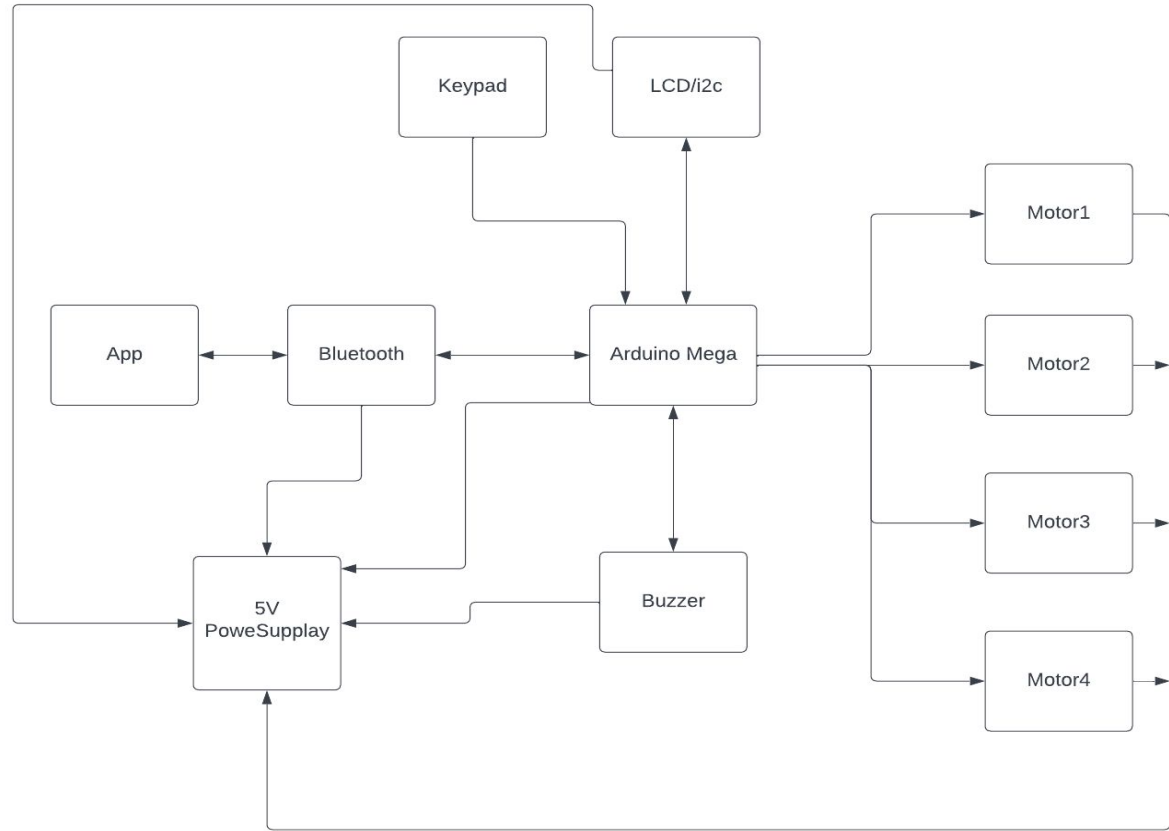
Hardware

Software

Hardware 01



Hardware 02



Software



- LCD , keypad
- Mobile App

LCD,Keypad

- State Management
- Pages stored in separated files.
- It can accept big number of products
 - (arduino max int value = 32767)

App



- It uses bluetooth
- Create order
- Edit products full details
 - Name
 - Stock
 - Price

How we save data

- Data is saved in Arduino using EEPROM
- App get the data from Arduino using bluetooth
- We can increase the number of products to the Max int value can accept
- The app sends the updates to the Arduino using Bluetooth.

Future work

- Add more trays to accept more products.
- Add a way that can users pay for the product and use it without needing the shop
- Sensor to detect order complete

Thanks



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