



HANDWASHING

IOT COURSE 2 PROJECT



The problem?

Nowadays, due to COVID-19 situation, the national health authorities highlight that frequent hand wash remains the most effective way to combat spread prevention.

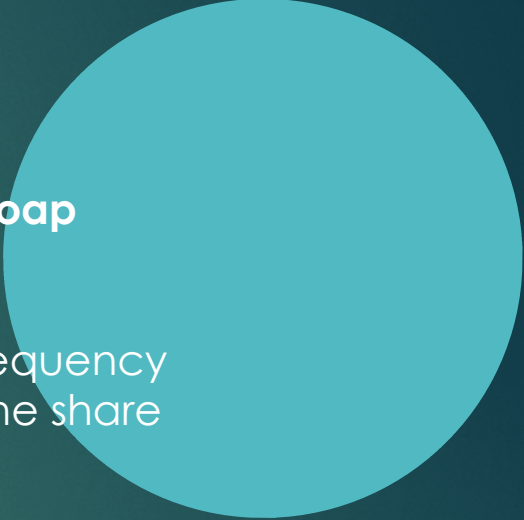




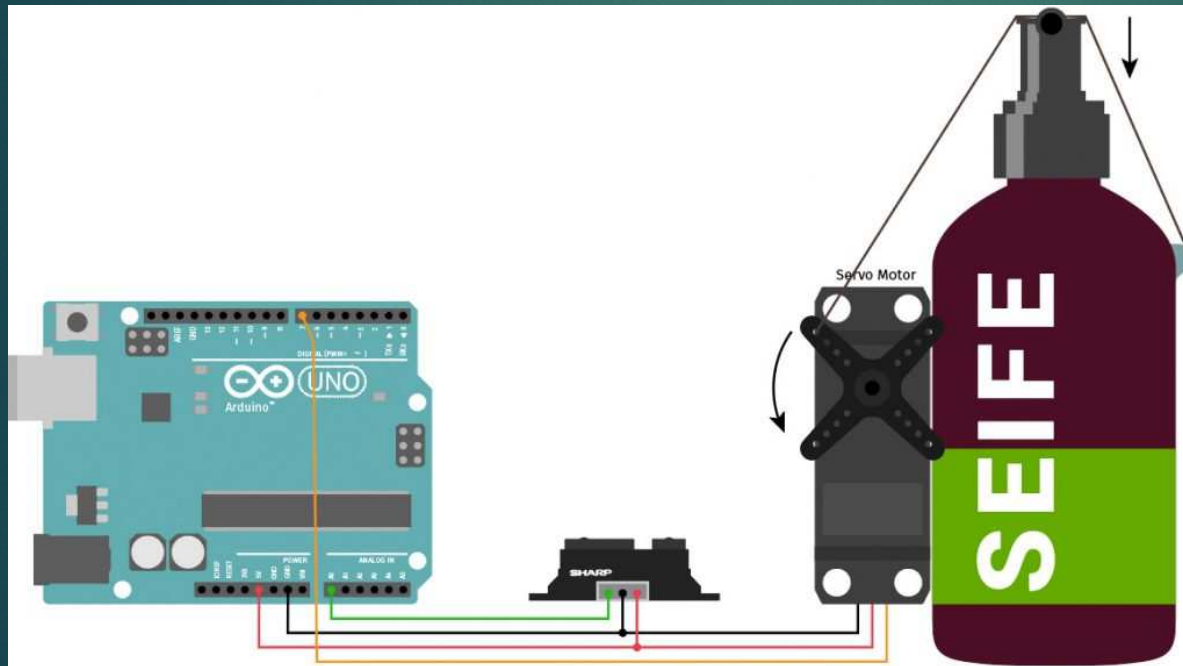
The solution

Non-Contact Automatic Hand Sanitizer Dispenser or Automatic Soap Dispenser.

Implement a system in the homes and businesses to control of frequency of handwashing and also put in place gadgets to avoid touch the share items.

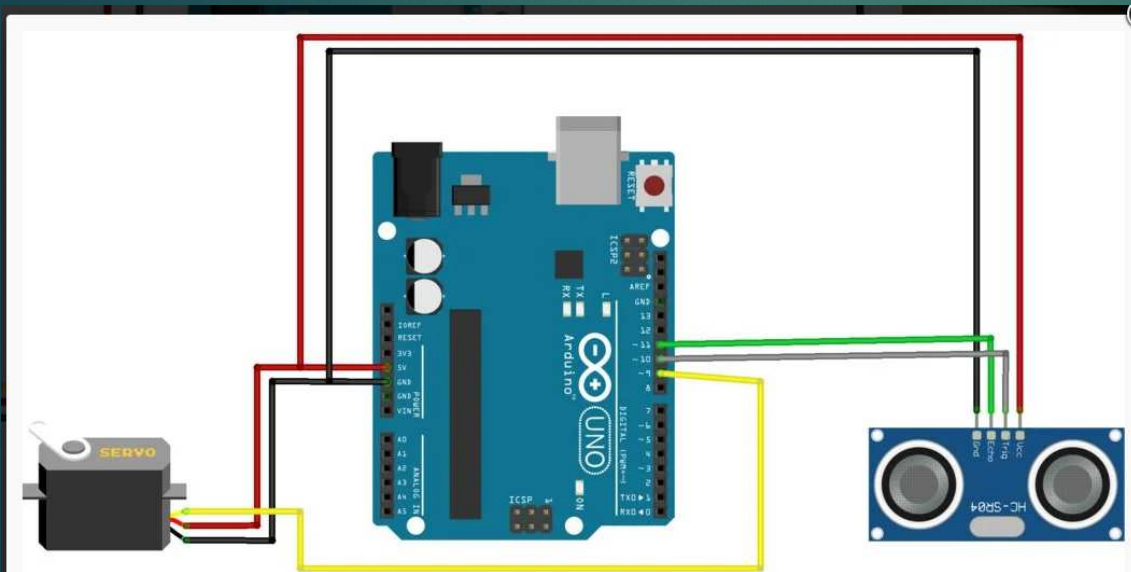


Product Infrastructure



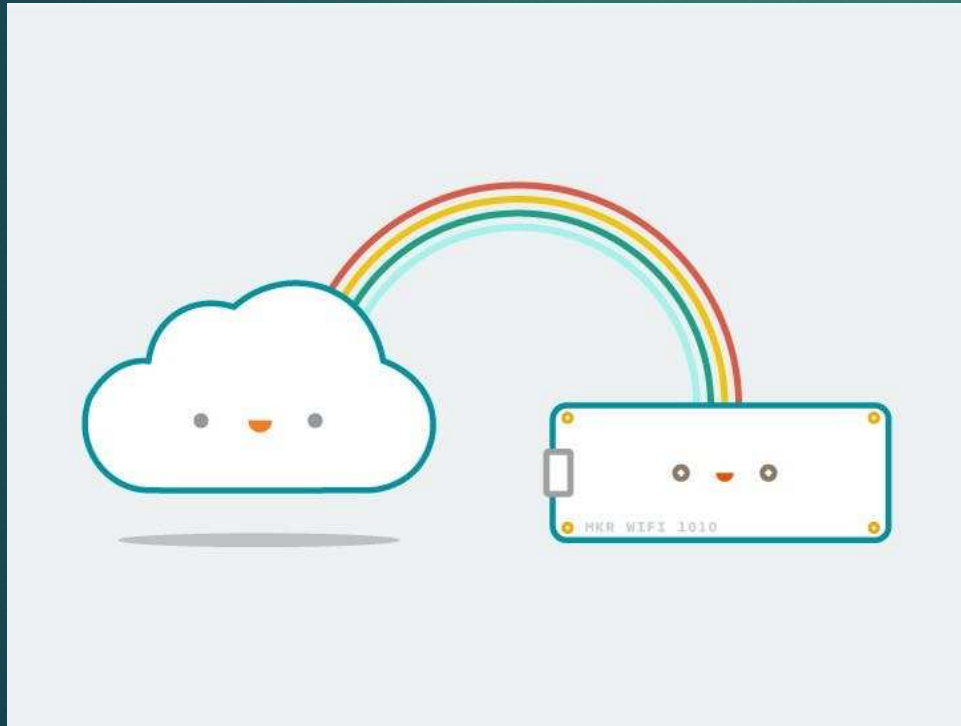
The HandWashing to be placed in restrooms /bathrooms and also in other locations of business or home.

Sensor



The Ultrasonic distance sensor to activate the dispenser, water tap and hand dryer.
Also you can include a badge reader in order to identify the person is using it.

Connectivity



WashingHands will be connected wi-fi via to collect data in the cloud.

Analytics



The Sensors will provide the following information:

- Total of uses per site, location or user.
- Average of time washing hand.
- Which dispensers are almost empty.

Application



Native Smartphone application to manage places, users, points and also monitoring the use of those points of washinghand and Sanitizer Dispenser.