



# Automated Car Washer

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# Agenda

Problem & Motivation

Idea

Goals

Development Process

Application

Future Work

# Motivations

## 01

1- Traditional car washing methods are often time-consuming and manual.

## 02

2- Requiring the physical effort of the vehicle owner.

## 03

3- very costly and needs a lot of human attention and energy.

# The idea

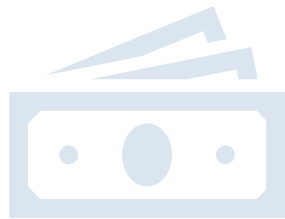


1- BUILDING AN AUTOMATED  
HARDWARE CAR WASHING SYSTEM



2- BUILDING A MONITORING SYSTEM  
WITH A MOBILE APPLICATION

# Goals



1- have a cost-efficient system.



**2-Convenience and Time-Saving:** build a system allows users to initiate and monitor the cleaning process effortlessly.



**3-Accessibility and Inclusivity:** design a system to be accessible to a wide range of users

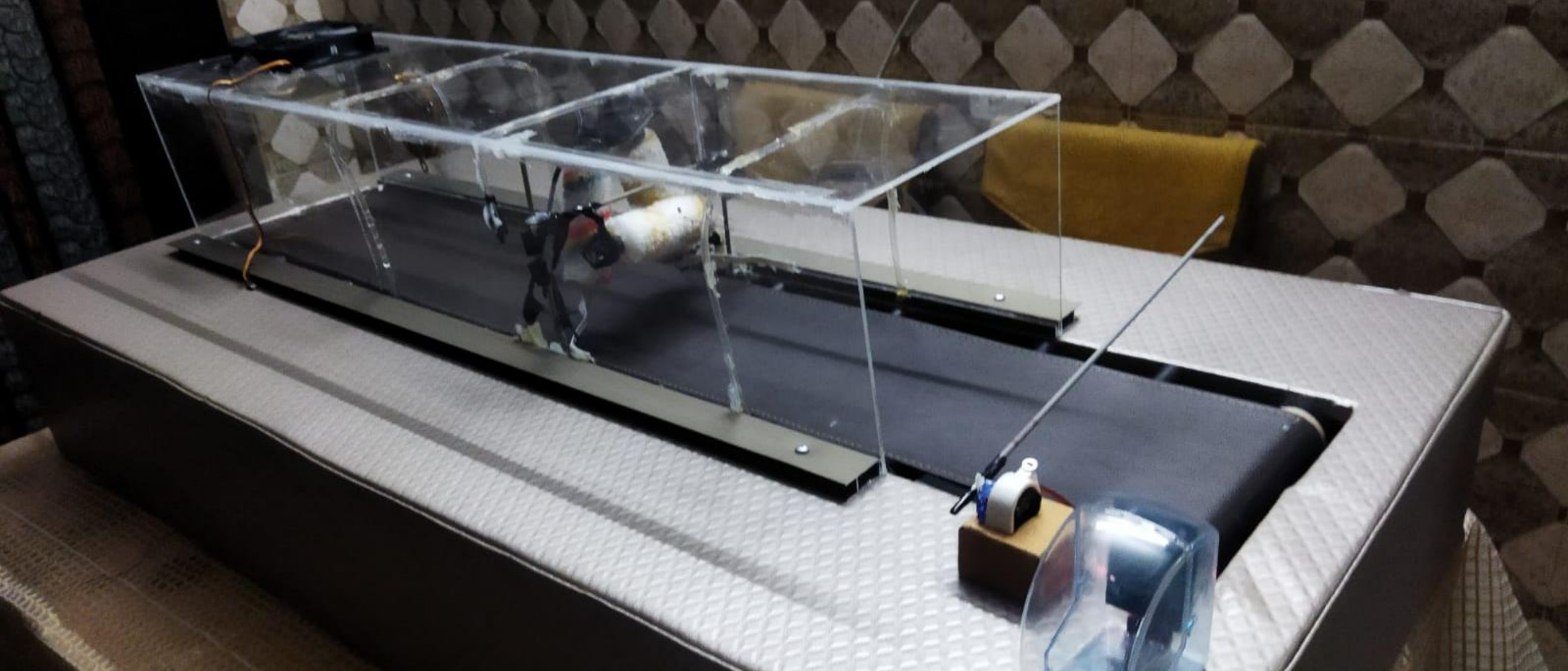
# Goals ...



4-High-Quality Results:

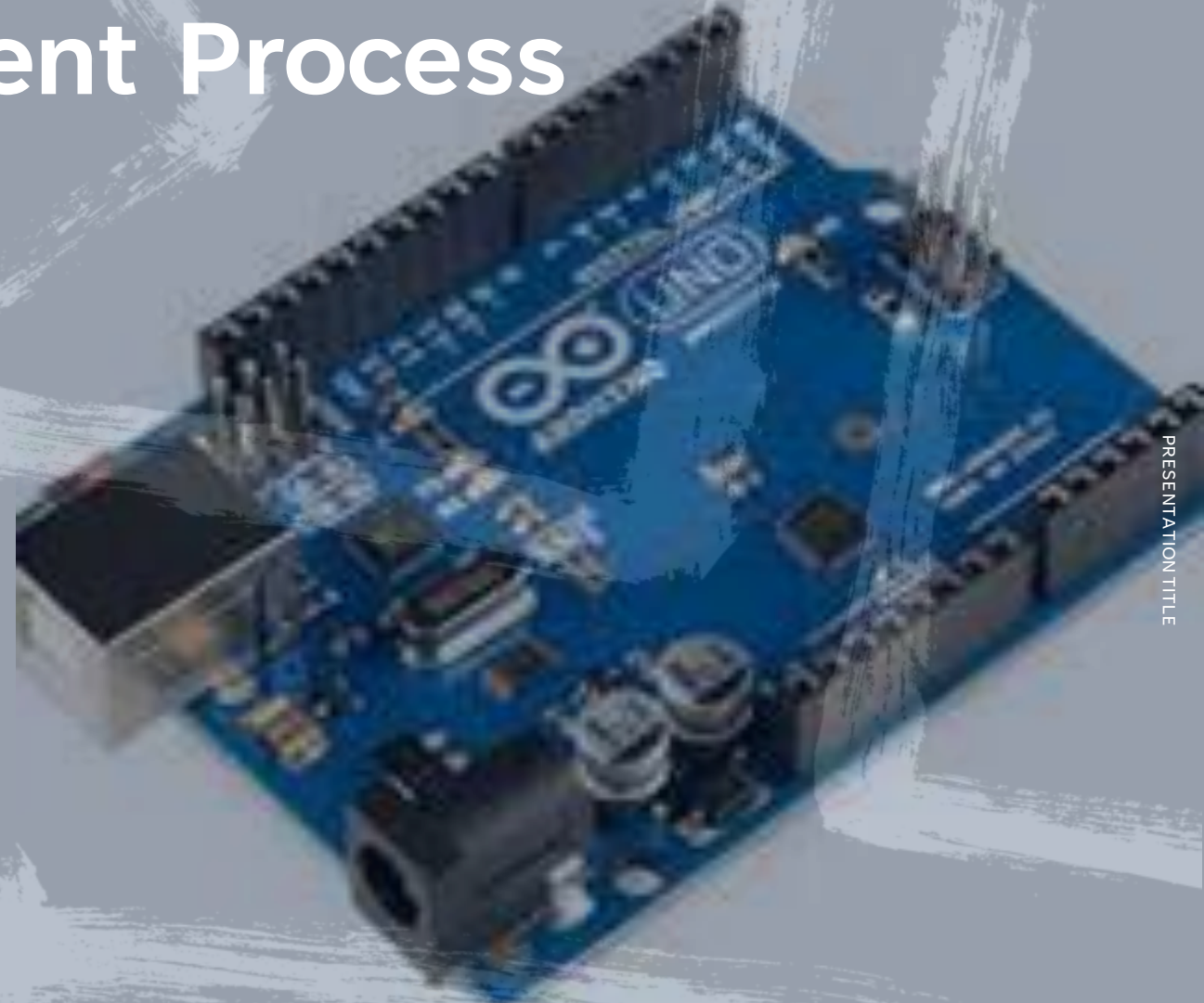


5- Monitoring system for admin.



# Development Process

# Development Process



# Components





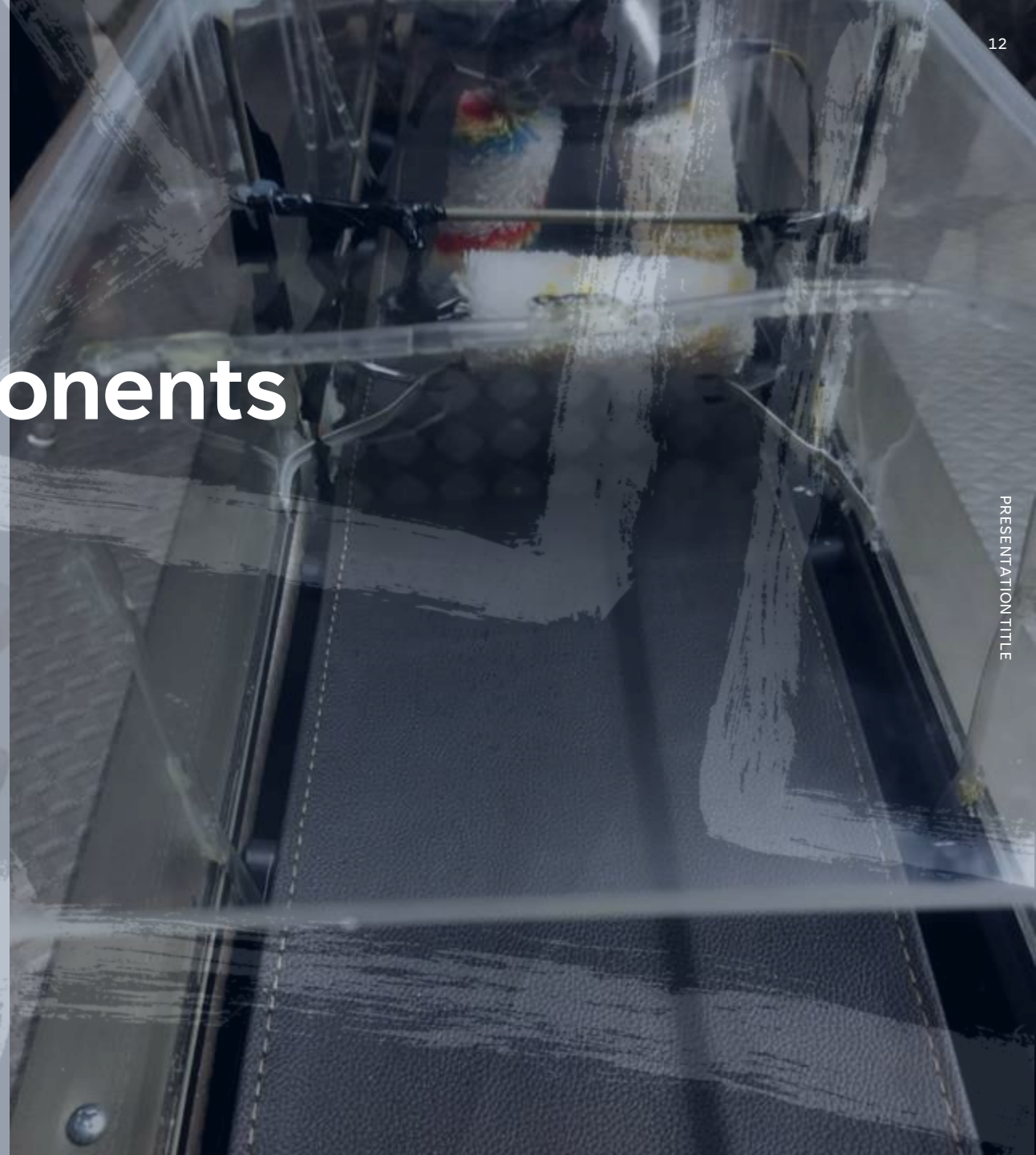
# Components

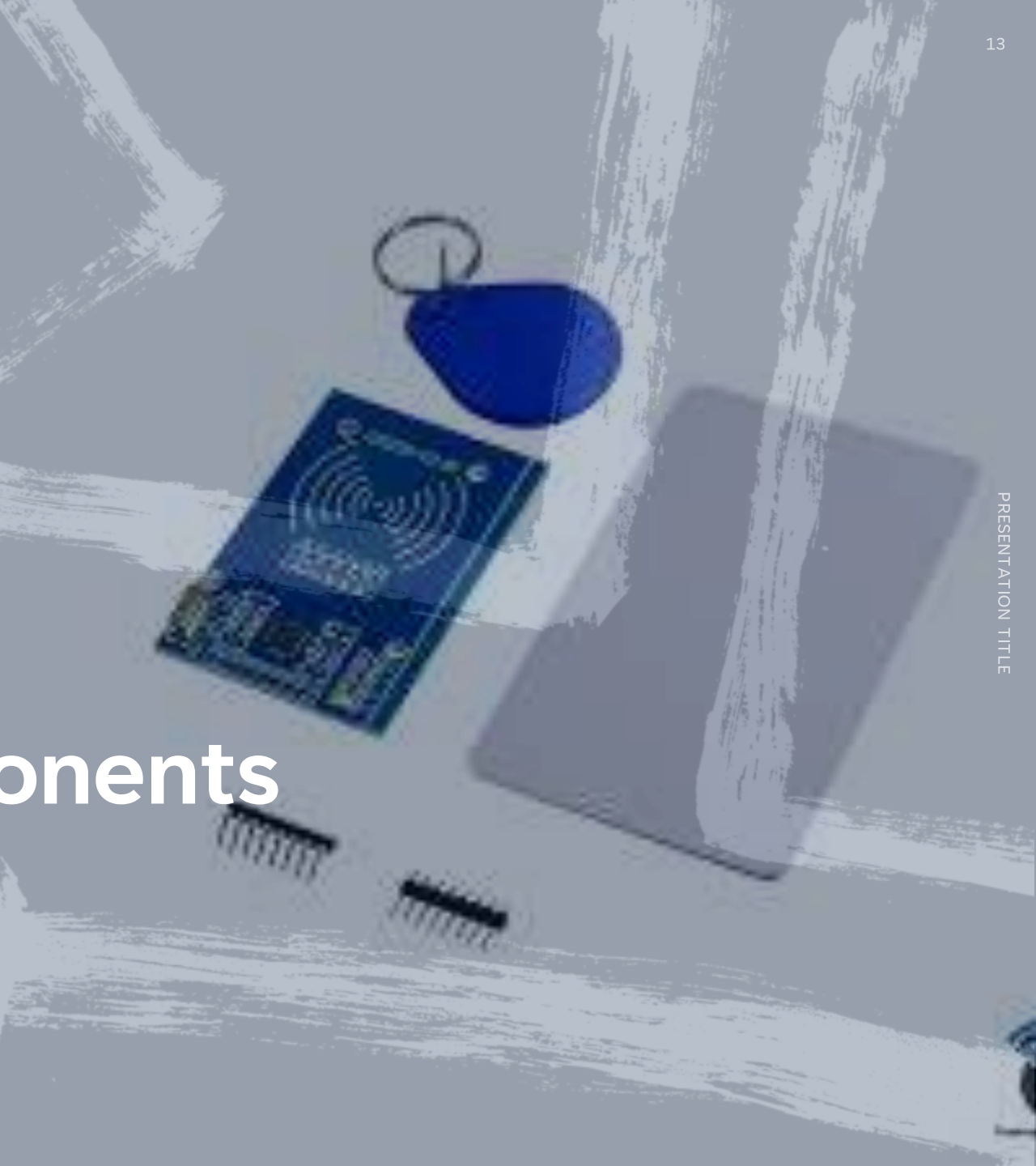


# Components



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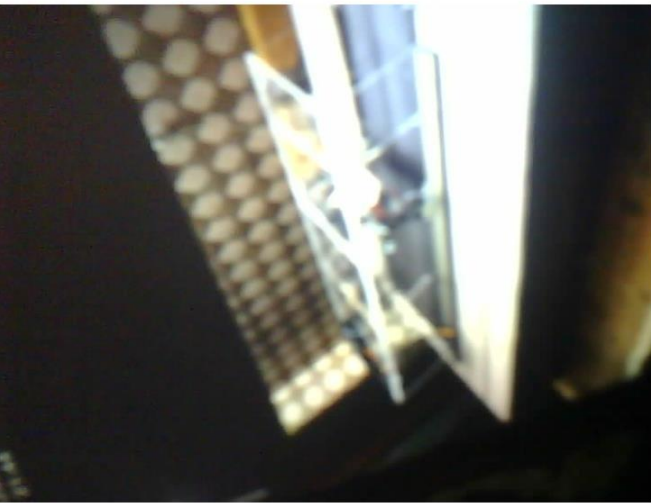




# Components

# Components





INFO

Status

500\$

Today: 5

SENSOR READINGS:



Stage 1

A Pump to to push Water for washing



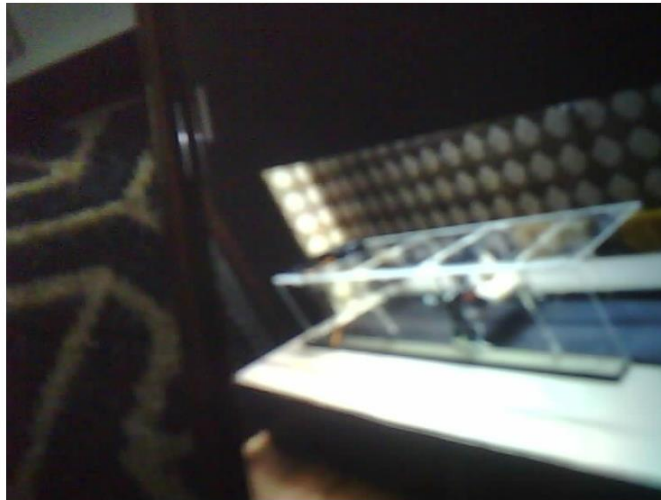
Stage 2

3 DC Motors connected to A Brush for clean



Stage 3

A Pump to to push Water for washing



Stage 2

3 DC Motors connected to A Brush for clean



Stage 3

A Pump to to push Water for washing



Stage 4

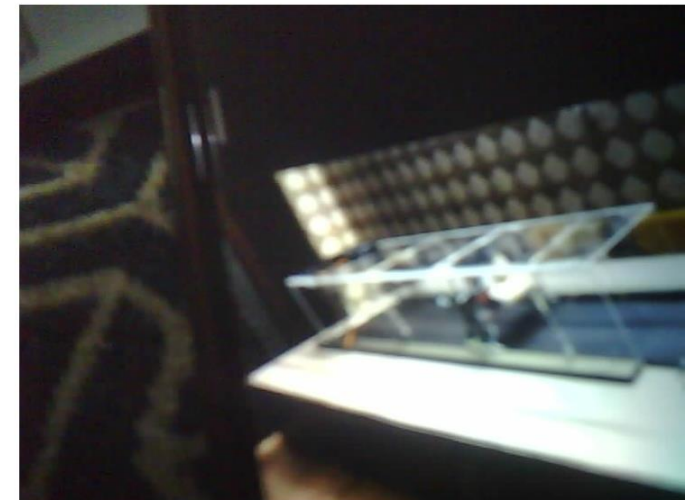
3 Fans to dry water



Water Level

Water Tank Status

LOW



Stage 2

3 DC Motors connected to A Brush for clean



Stage 3

A Pump to to push Water for washing



Stage 4

3 Fans to dry water



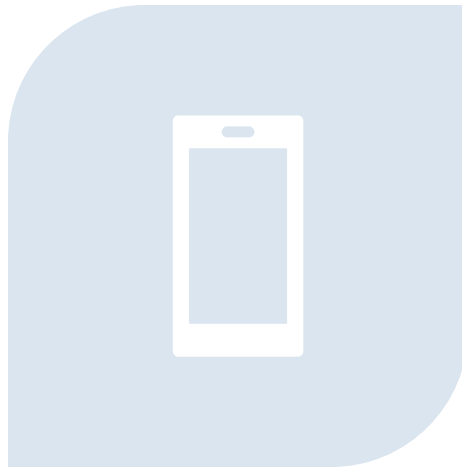
Water Level

Water Tank Status

LOW

# Admin Application

# Future Work



1-MAKE A MOBILE APPLICATION FOR THE USER.



2-ADD PAYMENT PROCESS



# Thank you

Suhaib Darawshi

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