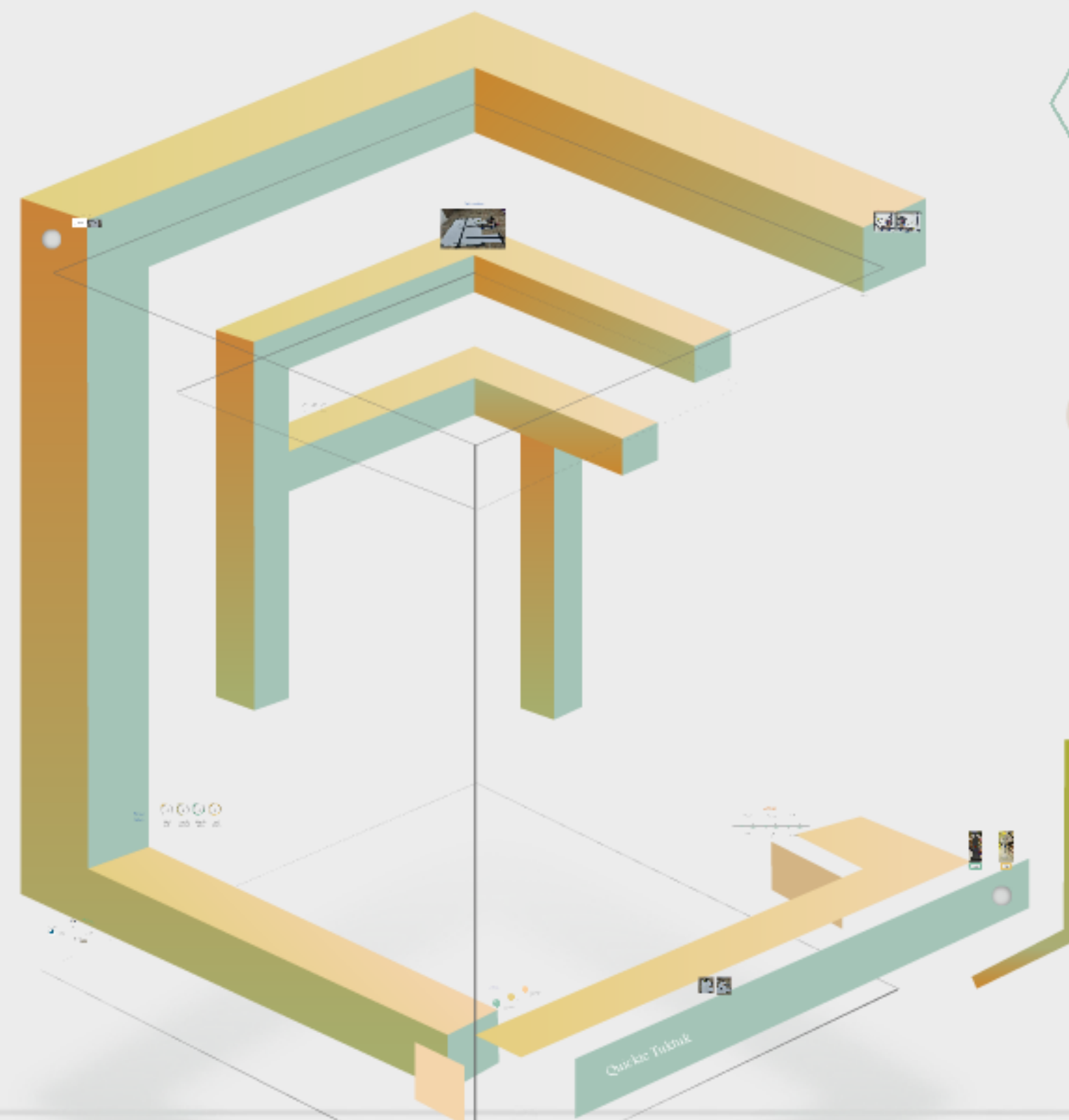


Quickie Tuktuk

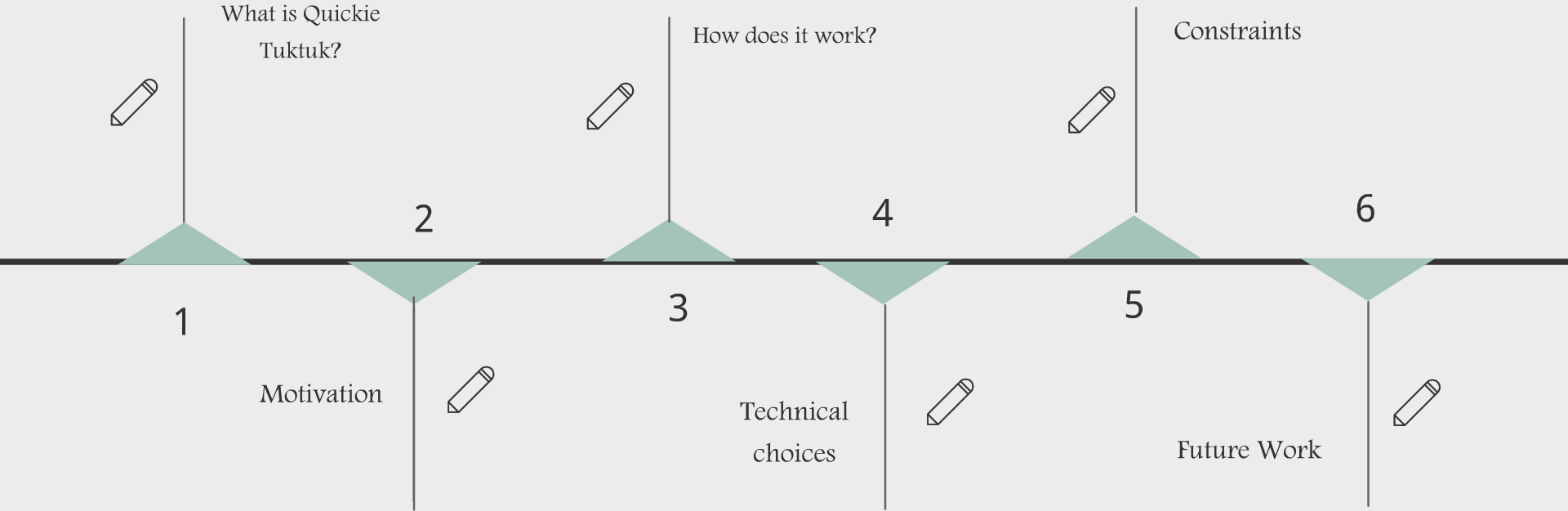
Sara Abd Al Halem Ghadir Shraim

Dr. Anas Toma



It is a tablet used to deliver pharmaceutical products and store them in the appropriate transducer depending on its location.

OUTLINE:



Quickie Tuktuk

It is a robot used to deliver pharmaceutical products and store them in the appropriate warehouse depending on its barcode

Motivation



Reducing human labor
by replacing it with
robots



Quick



Accurate, no errors while
delivering

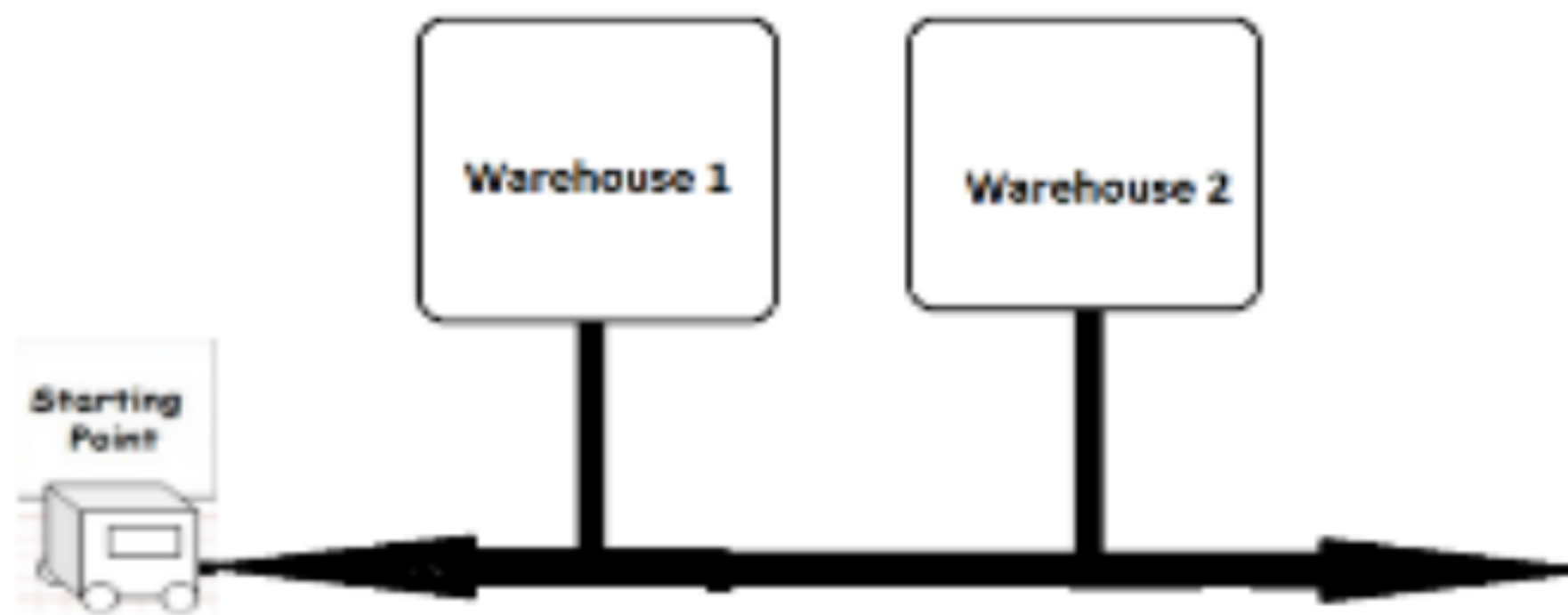


Marty

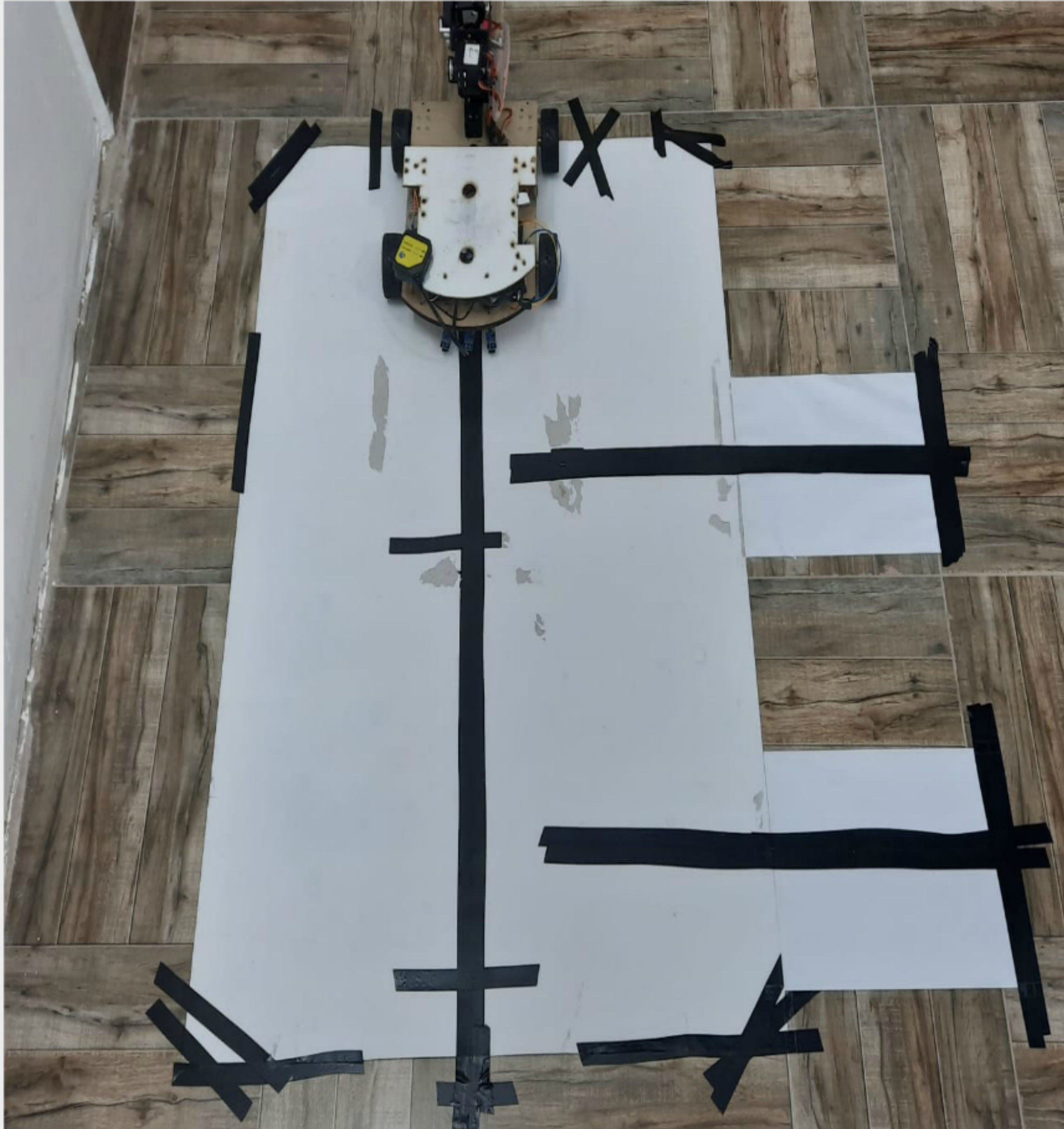


Tally

How does it works?



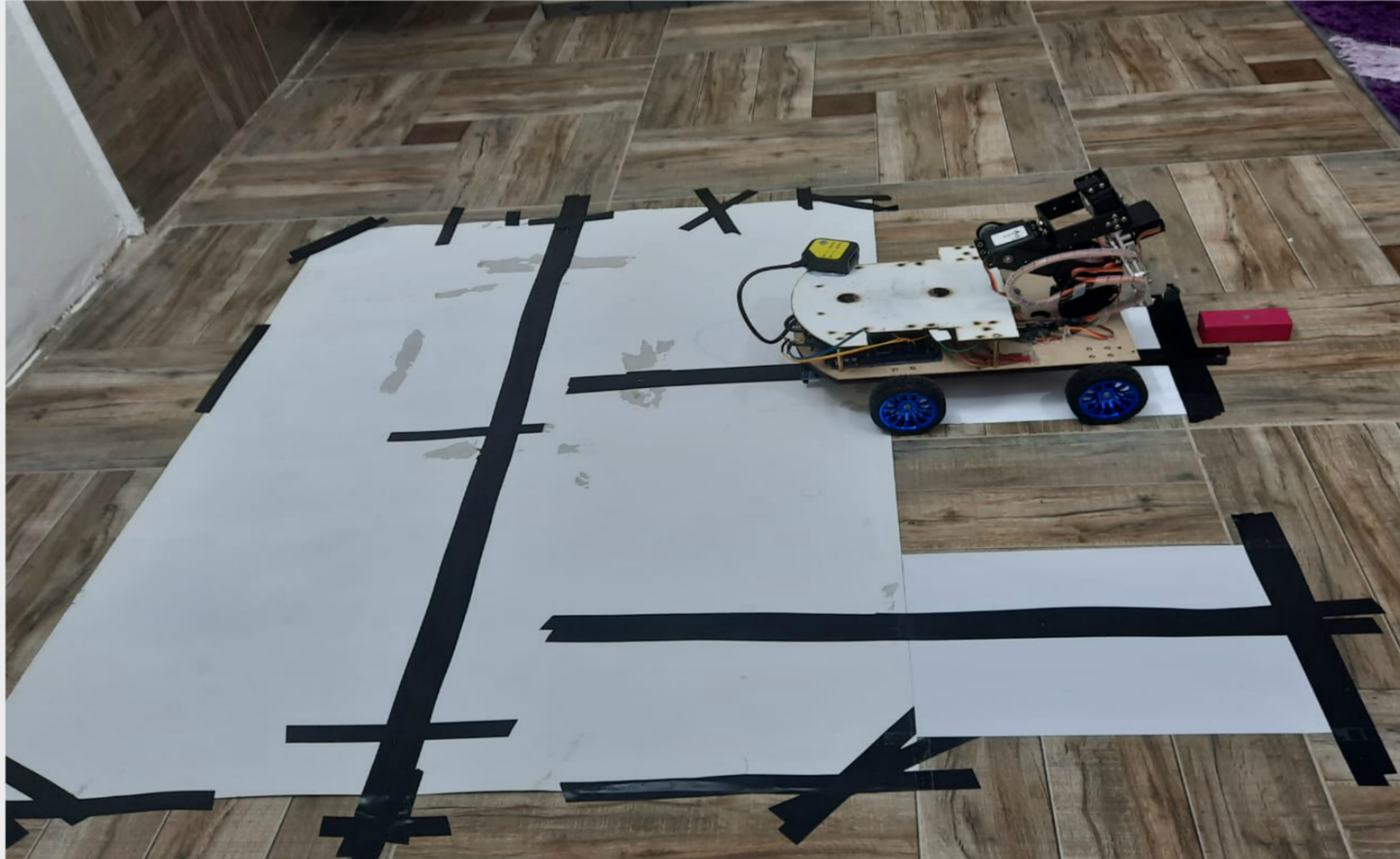
Take product



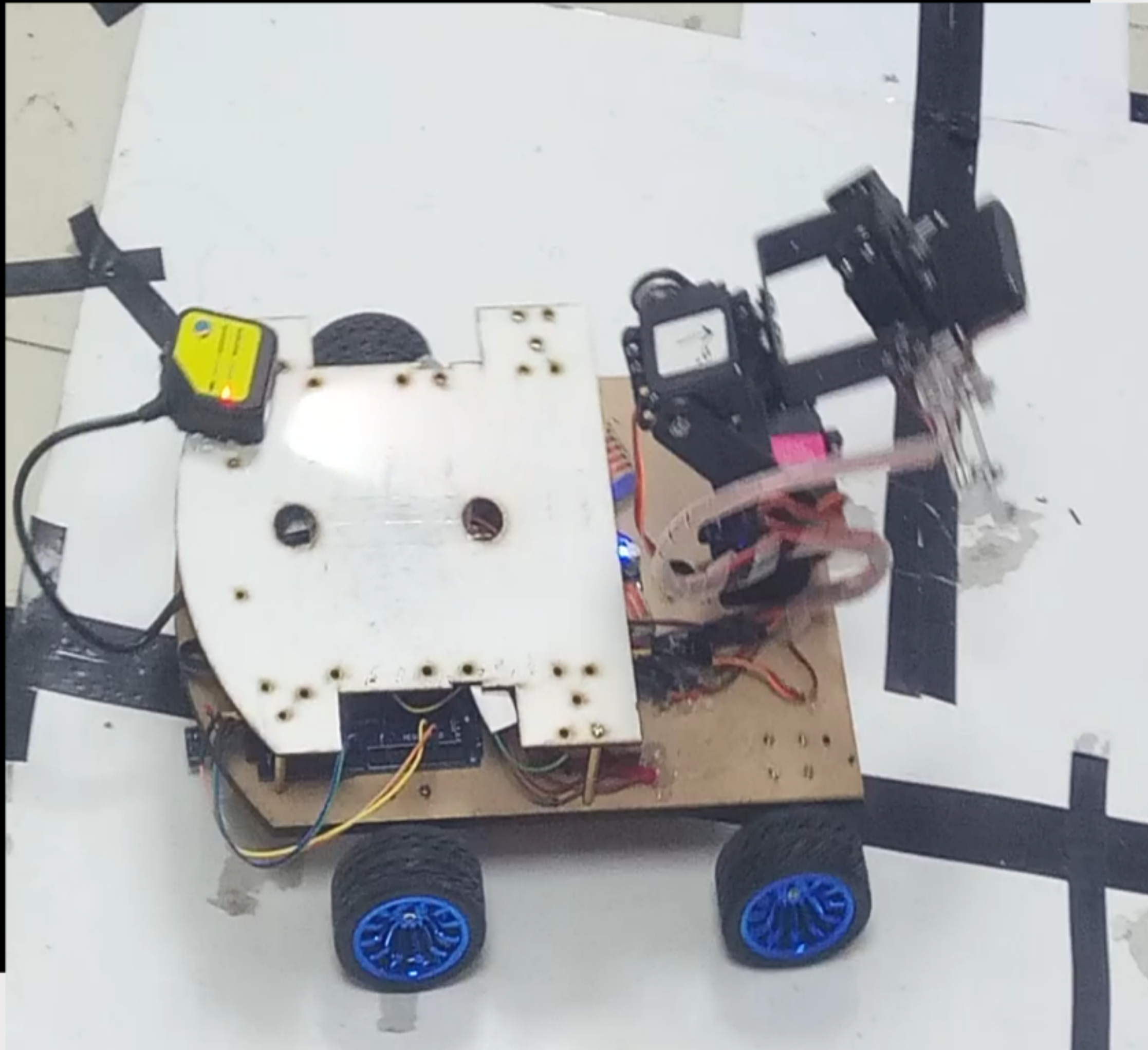
Read Barcode using Scanner



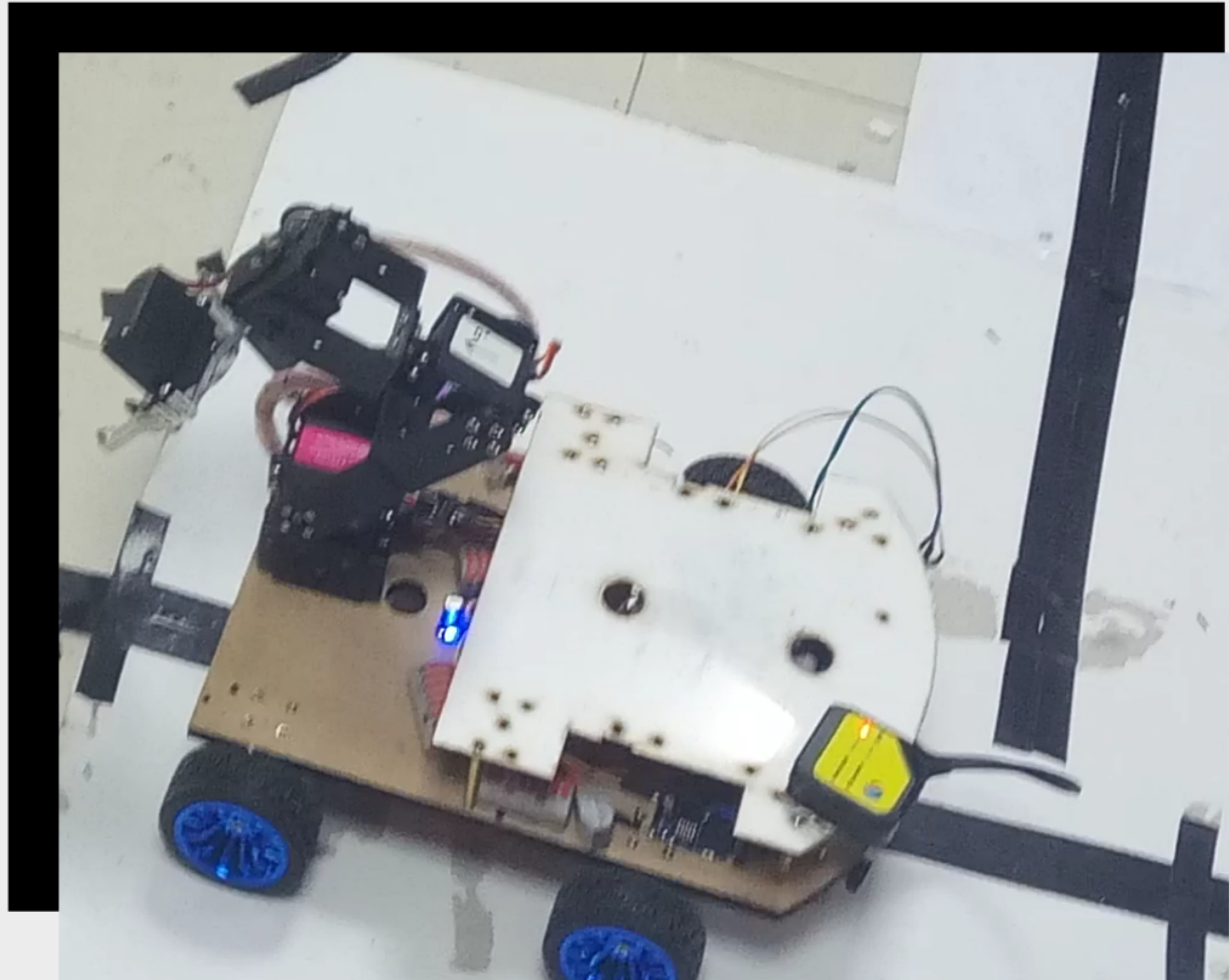
Reach correct Store !



Return to start of store

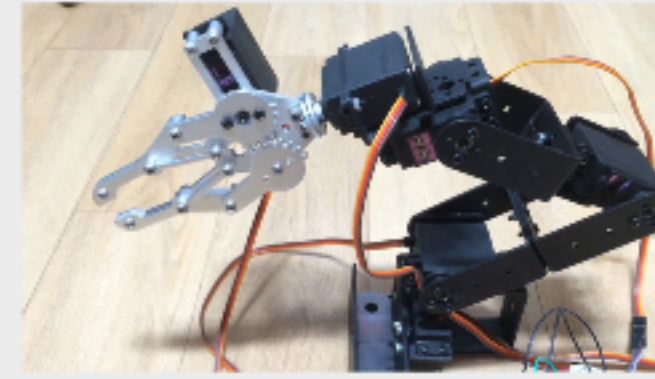


Take the initial state again !



Technical choices

Arm (Servo motor)



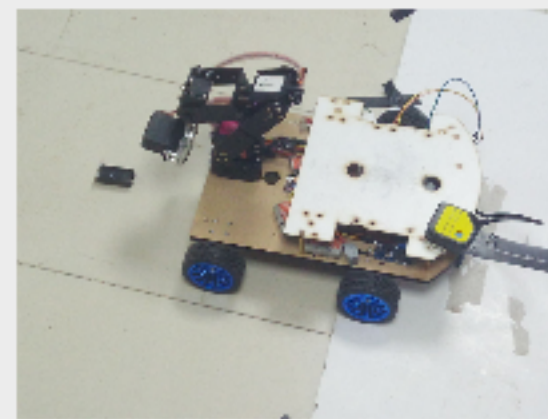
Arduino Mega 2560



Dual H-Bridges



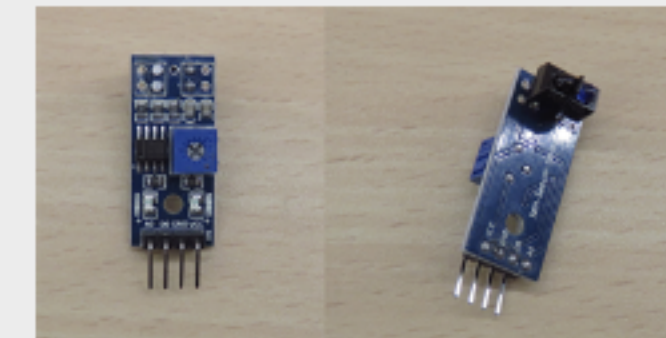
Car's wheels:
12V-DC motors



SH-400 TTL 2D
Barcode Scanner



MH sensor (IR
family).





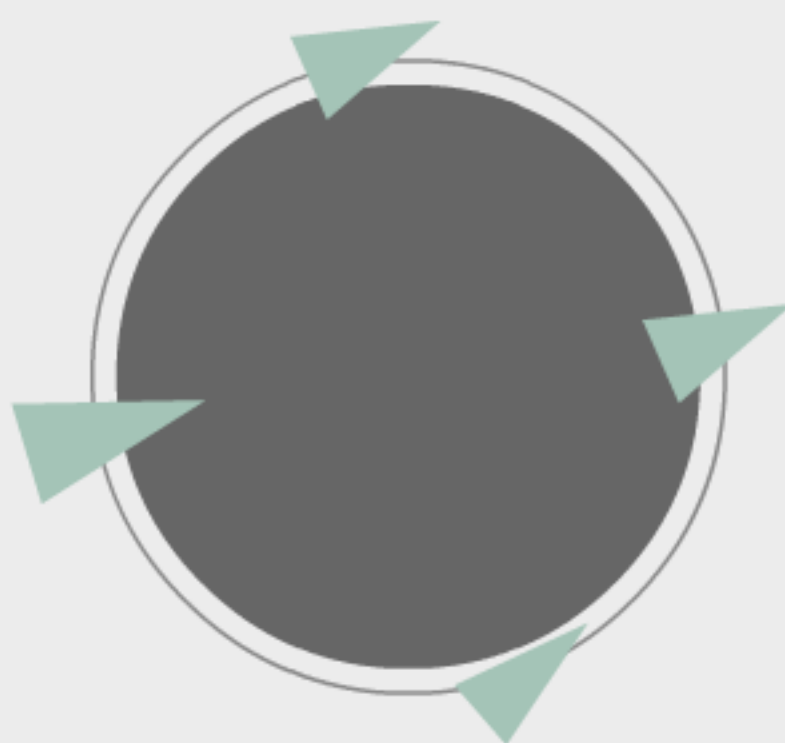
Low quality tools



Moreover, very
precise work!



Covid-19 pandemic



Idea

Constraints

Future Work



1

Make it
smart



2

Expand the
environment



3

Reshape the
system.



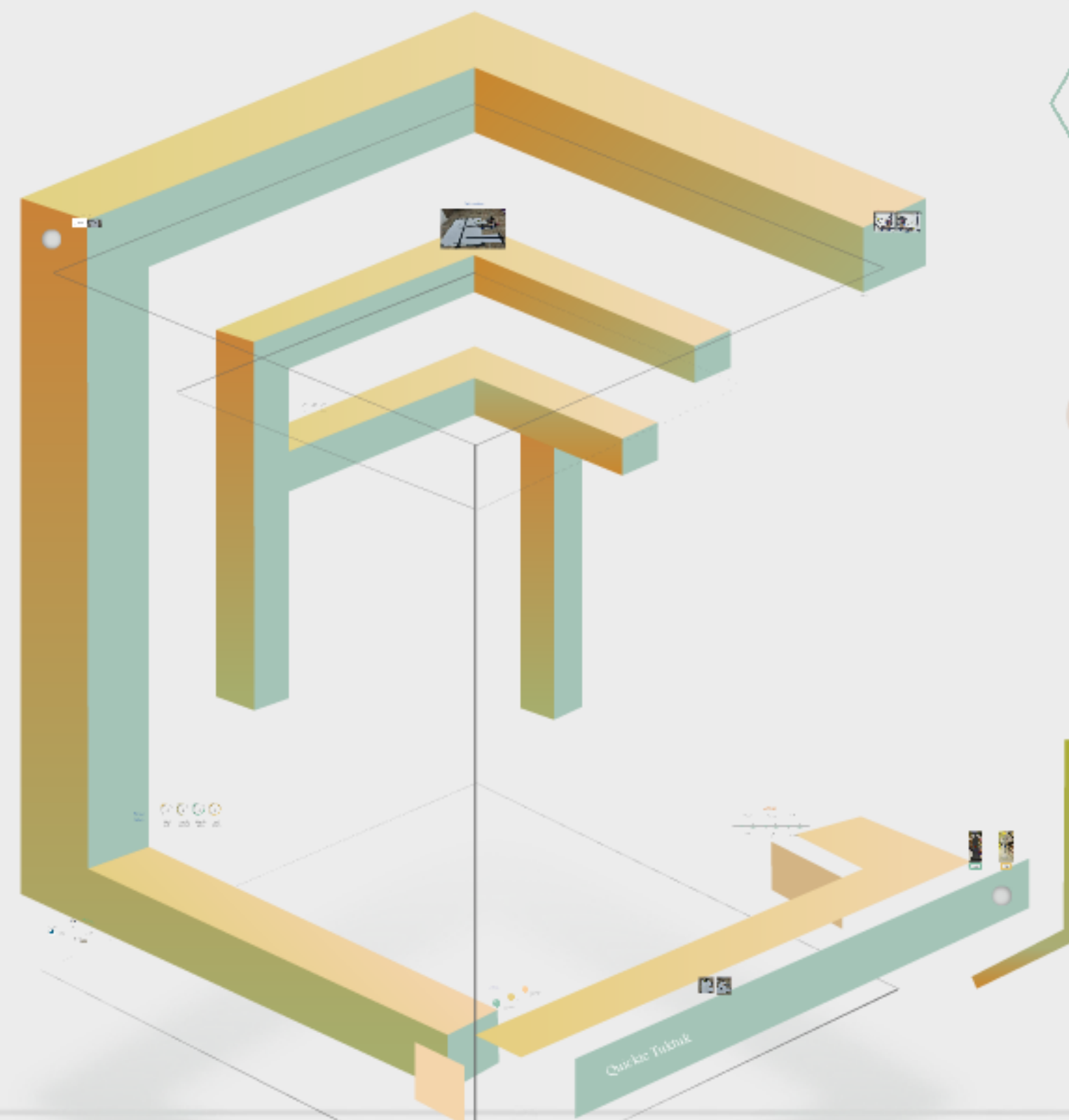
4

Fault
Handling

Quickie Tuktuk

Sara Abd Al Halem Ghadir Shraim

Dr. Anas Toma



It is a tablet used to deliver pharmaceutical products and store them in the appropriate temperature depending on its function.