

Team hiJAK.PY

Team Members

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ET09

The problem

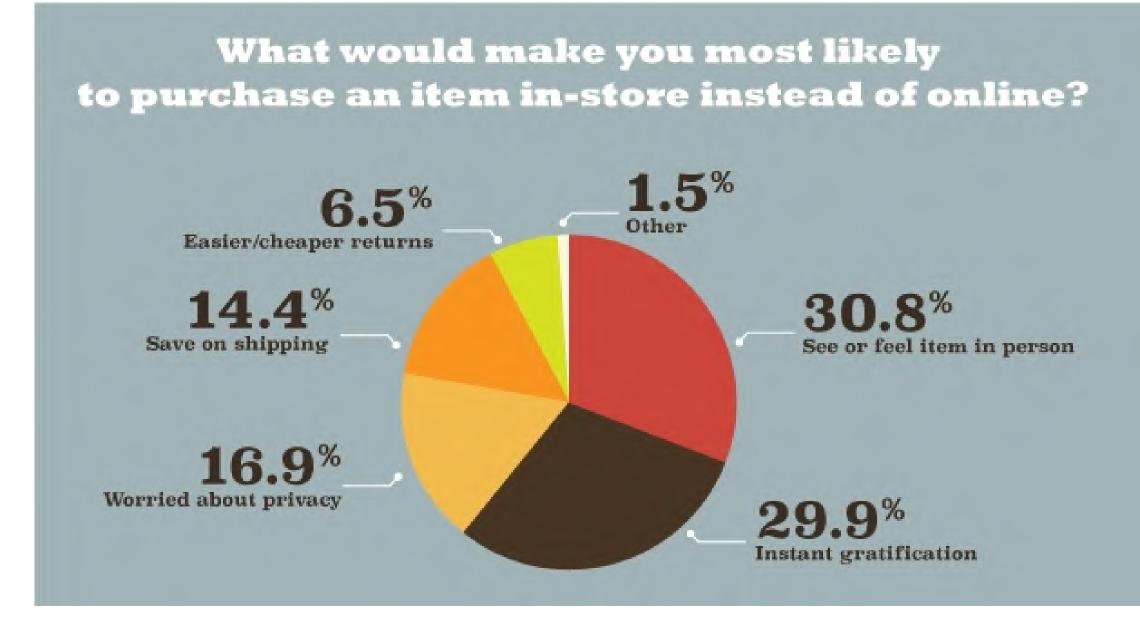


Problem statement:

Design a system that will reduce the time for billing procedure.



The numbers



5-10

minutes to bill an item, get the item bagged and then pay the bill.

60%

of the waiting time in payment queue could be reduced

Over 75%

Sales are made offline

Thesolution

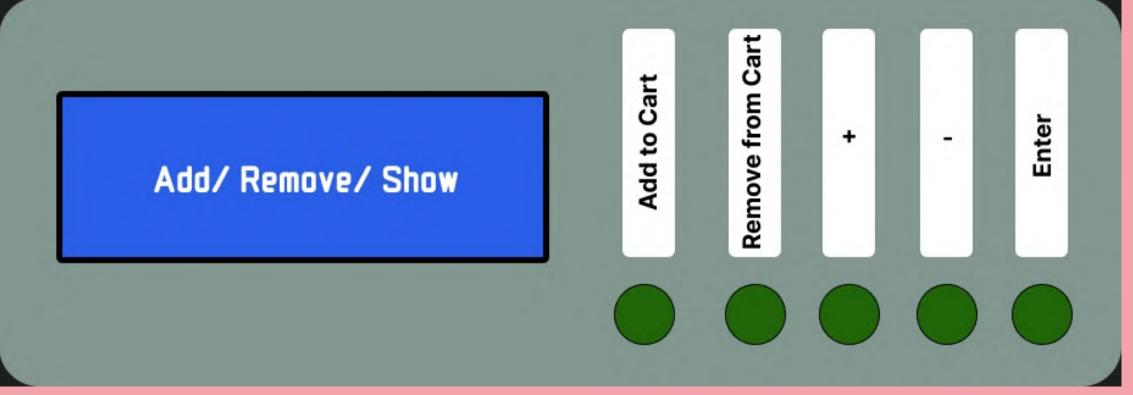
Our answer is to create a smart cart equipped with barcode scanning technology, an esp-32 camera module, and an esp8266 to access a real-time database.

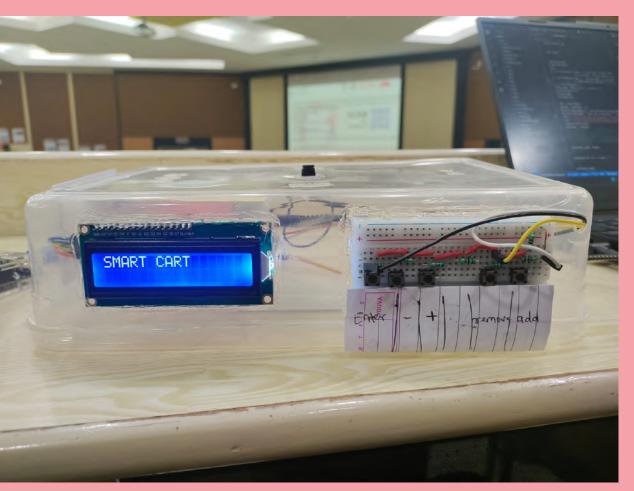
Customers can scan products while they shop with a smart cart, eliminating the need to wait in long checkout lines. This saves time and improves the entire purchasing experience.

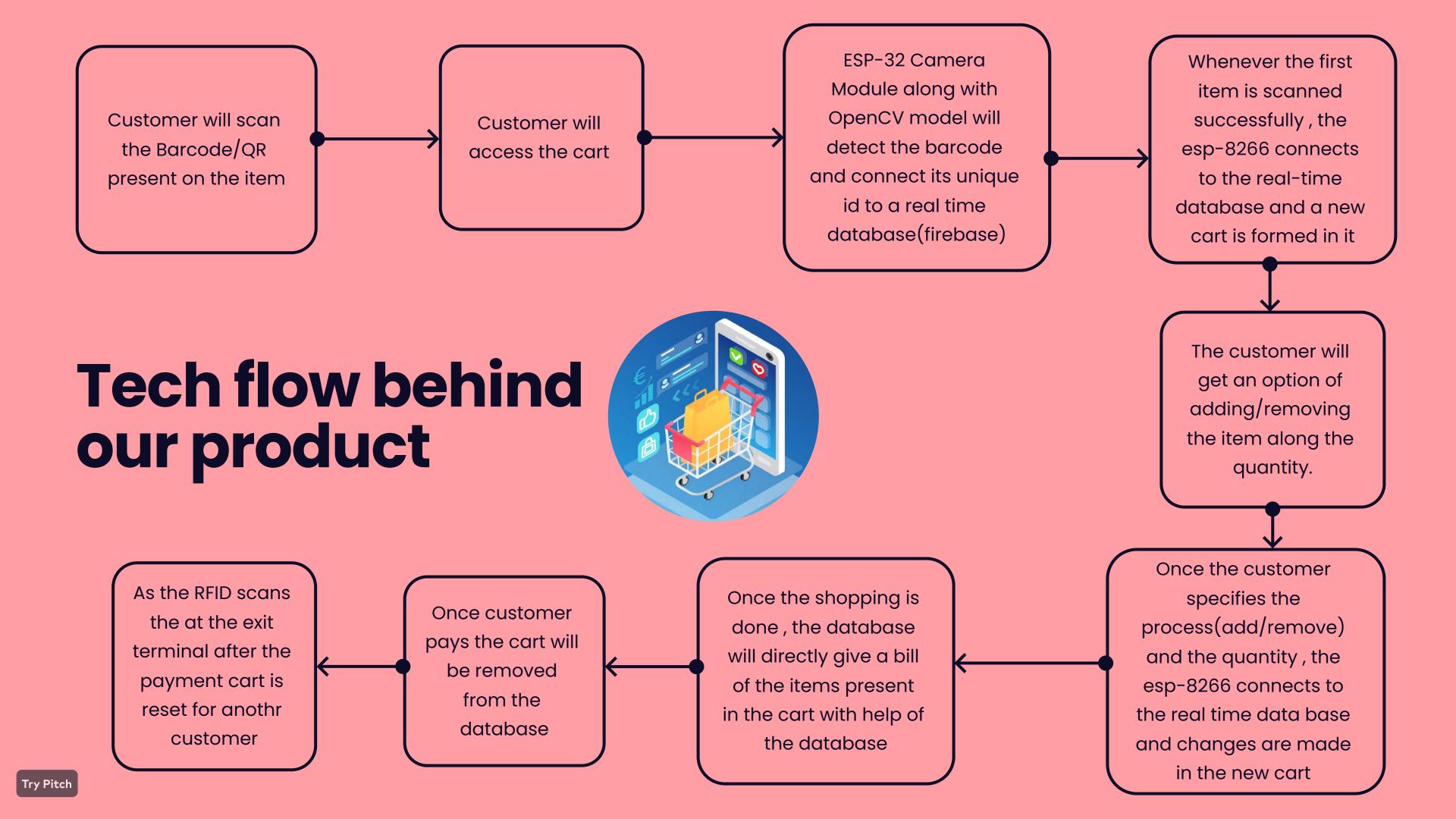


Ouraim

a product that is simple to install on the current retail carts and transforming them into smart carts. Saving customers from long billing queues as they bill themselves while shopping







Future Scope:

- The YOLO module in the shopping carts can be used to identify and track items as they are placed in the cart, which can help improve inventory management and reduce checkout time.
- Addition of an app that can connect the whole ecosystem and make the shopping experience more seamless and fast.
- Adding the Contactless payment methods to the cart module itself to make it self-sufficient.
- The Automatic Restocking feature could be used to track the inventory levels in real-time benefitting bother the owner as well as the customer by ensuring that the products are always stocked.
- A touch screen panel for the better shopping experience.





Github link: https://github.com/JatinPatil2003/SmartCart

Video Link:

https://drive.google.com/drive/folders/1VWxaErulYIB0mqdVo4QjNyLnnTasc

M4T?usp=sharing