



Pan.da's Panini

Little sandwich shop willing to
adopt new technologies



The problems



Writing down the orders received via whatsapp.



Orders are possible only until 11.30



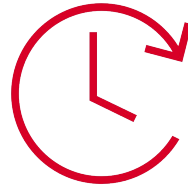
Usually clients forget details in the order and the owner spends time replying to them.



The solutions



Automatic printing of the orders.



No-stop orders.



Telegram bot which handles the ordering process.



Abstract

" Do you usually waste time asking the clients for the orders? Do they always forget something? Pandaspaninibot is here for you! A simple and quick way to manage orders and make your clients taste a delicious sandwich."





Project idea

The project idea consists in creating a Telegram bot which allows Marco, the shop owner, to automatically manage the online orders, without the need to write down on paper every message and without stopping the service after a certain hour.

The bot interacts with a MKR1000 Arduino board, which is connected to a little thermal printer able to print out an order every time it is confirmed on Telegram.

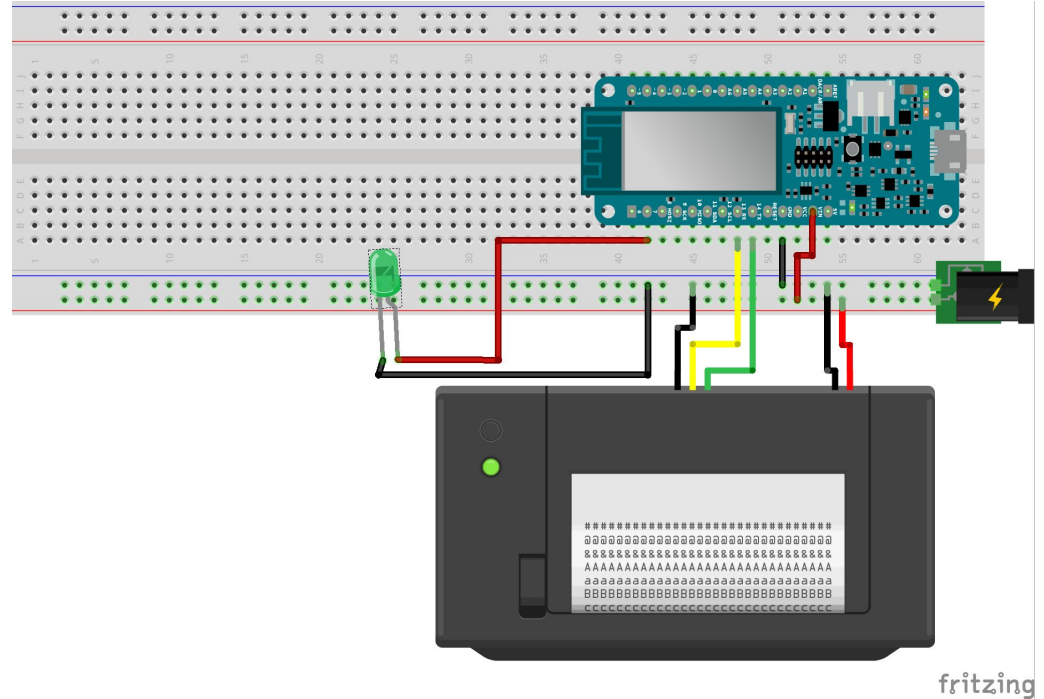
The printer is placed inside a laser cutted wooden box. It is unique and customized with the Pan.da's logo, becoming a real decor object.

On the box it is also mounted a LED, which will blink when a new order is received.



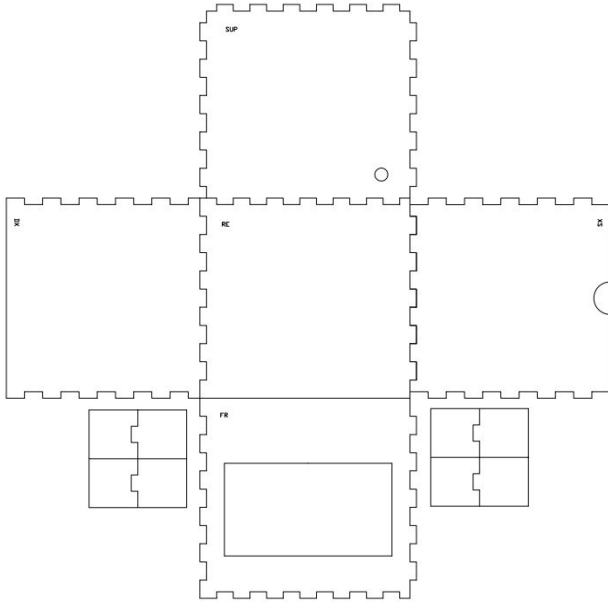
Materials

- ★ Mini Thermal Receipt Printer
- ★ MKR1000 Arduino board
- ★ 5 volt power supply
- ★ Different connectors
- ★ Breadbaord
- ★ 1x LED
- ★ Original laser cutted case



The case

We created the case laser cutting a 4mm plywood.



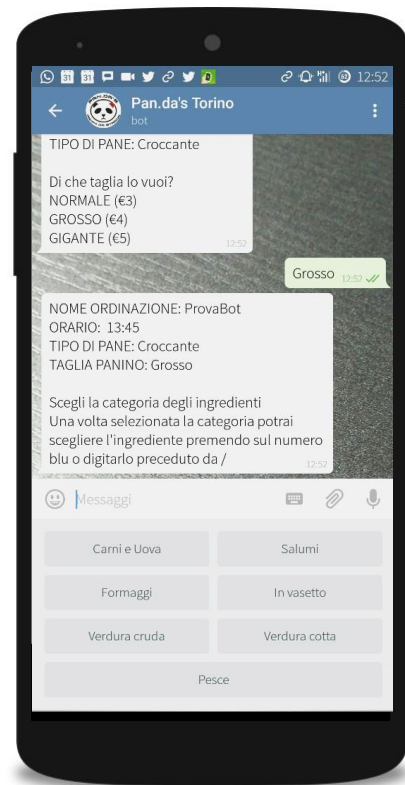


Minimum Viable Product

Our **MVP** is a Telegram bot, able to manage a sandwich order and print it out by a thermal printer with a formatted output.

The printer is placed inside a 4mm plywood case, with the Pan.da's logo engraved on the front side.

A notification green led is mounted on the top.





About Pan.da's

65 INGREDIENTS EVERY DAY

to choose from to create your customized sandwich, 10 special Pan.da's sauces to combine and only in the shop: 5 more extra ingredients of the week.

AVERAGE CLIENTS

IT students, professionals, hospital workers.

GREATER AFFLUENCE MOMENT

the “hottest” moment is between 12:30 and 14:30, in fact, after 11:30 they can't afford to receive any new orders through Whatsapp.

2 SHOPS

C.so Svizzera 149/C - Torino
C.so Inghilterra 43 - Torino

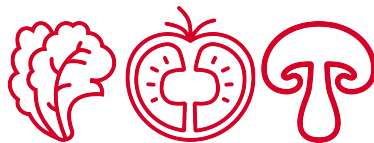


"Hey Panda! I'd like a 4€,
crunchy and hot sandwich.
Ingredients: 15, 27 and 13.
Sauces: 2 and 3. For 12:30.

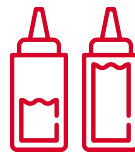
The current order



Choose the size



Choose the ingredients



Choose the sauces



ORDER

You can order in two different ways:

- Going directly to the shop and filling the sandwich form you can find on the desk.
- Using Whatsapp chat, sending a message with your choices, name and booking time.



The new order



OPEN THE BOT



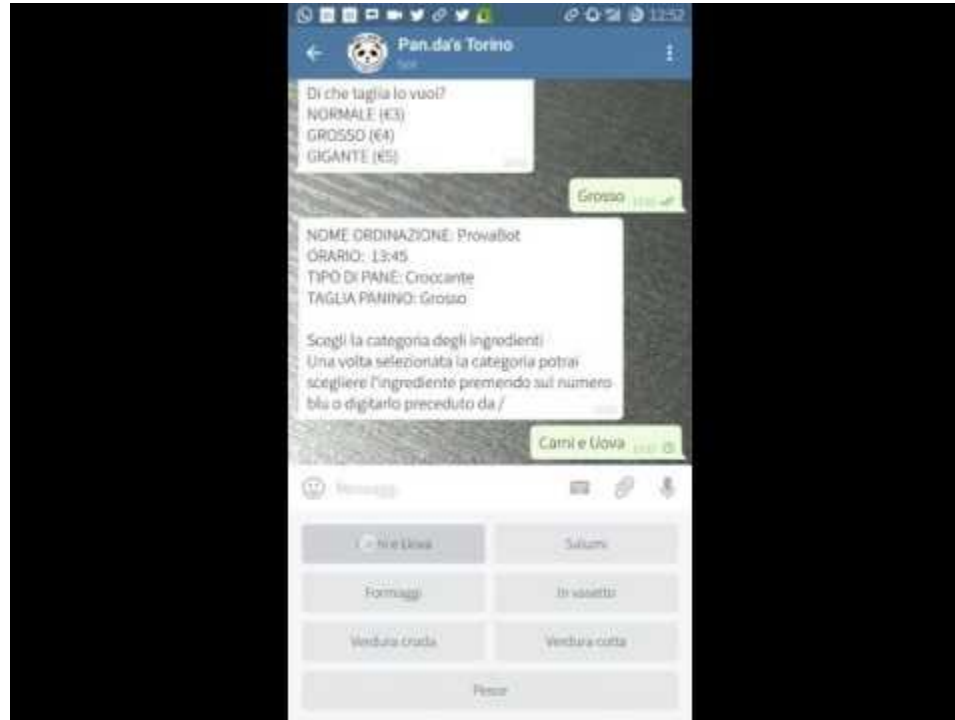
ORDER PRINTED



EASIER, FASTER, BETTER!



Pan.da's Bot in action!





**THANK
YOU!**