

inQueue

BOOK EVENTS IN YOUR
SURROUNDINGS



inQueue

inQueue is a small **web application** which aims to deliver an easy and fast service for booking **events** in your surroundings.

InQueue

IL PARCO SOMMERSO DI GAIOLA

Parco Sommerso di Gaiola

4.0 ★★★★★ (132)

Isola la Gaiola
Napoli

Discesa Gaiola, Napoli

Prenota il tuo servizio

Nome: Mario

Cognome: Rossi

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Telefono: 333333333

AVANTI

inQueue – The businesses

As of now, the supported **businesses** are:

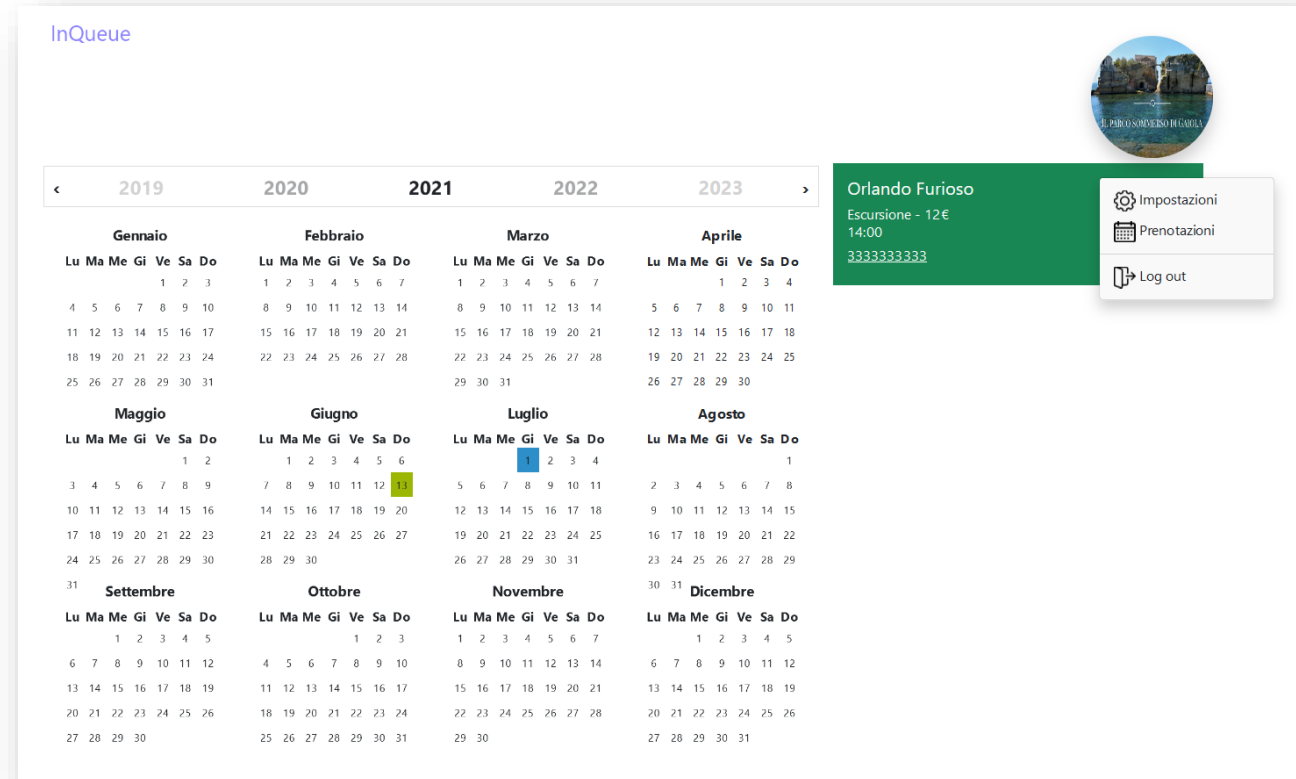
InQueue

Prenota attività a **Napoli** 📍



inQueue – The businesses

Each business defines the kind of service, as well as the length of the **time slots** for each offered service. Via a **calendar**, it can keep track of the bookings received.



inQueue – The users



InQueue

IL TUO BIGLIETTO

Hai prenotato il servizio Visita breve – 10 €
Presso Museo Giuseppe Caravita principe di Sirignano
In data 2021-06-24 alle ore 18:00

Hai prenotato come Antonio Morelli (inqueupwa@gmail.com)



The **users** can view a list of businesses which are in the selected city.

When something is booked, they receive a memo, via email, which works as a booking confirmation.

inQueue – The users

The user receives, again by email, a **link** to a page which prompts him to review the experience received. This contributes to grant more visibility to the best businesses.

InQueue

Valuta la tua esperienza da Museo Giuseppe Caravita principe di Sirignano

Esprimi un giudizio da 1 a 5 stelle

Antonio, come valuteresti Museo Giuseppe Caravita principe di Sirignano?



Invia richiesta

inQueue – The technologies

Some of the **technologies** used in the project:

- Leaflet
- Bootstrap
- Flask
- Qrcode
- ReportLab
- MongoDB Atlas
- Docker
- Nginx
- uWSGI

inQueue – Flask, uWSGI, Nginx

Flask is a micro-framework based on Werkzeug and Jinja2. They provide various tools useful to the construction of a web app.

uWSGI is the interface, the server which executes the Python code. It represents a standard which grants flexibility and scalability.

Nginx, it's web server, a tool which allows to manage multiple requests in an efficient way.

inQueue – Docker

The 3 tools represent 3 levels of communication. Via a **composite** script, 2 **Docker** images are created, from which 2 containers are executed; this is done considering the good habit of isolating each process in it's own container, while merging uWSGI and Nginx for a necessity.

inQueue – MongoDB Atlas, Leaflet, ReportLab, qrcode

Because of the simplicity of the project, we decided to use **MongoDB Atlas** instead of a local instance of **MongoDB**. The **cloud** service is easy and intuitive.

Leaflet is a JavaScript open-source library which provides different tools to manage maps.

The provided memos are PDFs, create in Python via **ReportLab**, with a **qrcode** appended to them.

inQueue – TODO

The system is still a work-in-progress. Many **features** could be included, such as:

- Payment management, to book an event
- Service subscription logic
- Clients' account
- Textual reviews
- Profanity filtering

Visit inQueue
and... get in
queue!



Mattia **Ripoli**
Francesco **Pollasto**
Antonio **Morelli**