

# Pizza Factory

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Se urmareste implementarea unei baze de date care permite vizualizarea, adaugara, actualizarea si stergerea, dar totodata respectarea unor constrangeri, in scopul orientarii mai usoare a clientilor unei pizzerii in cadrul comenzilor de tip home delivery.

## Tehnologiile utilizate

Pe partea de Front End s-a folosit Html cu toolkit-ul Bootstrap, iar limbajul de programare folosit este Java cu framework-ul Spring Boot. Pe partea de Back End s-a folosit PostgreSQL , iar in interiorul aplicatiei s-a stabilit conexiunea catre o baza de date locala.

```
1 usage
private static final String url = "jdbc:postgresql://localhost:5432/pizza";
1 usage
private static final String uname = "postgres";
1 usage
private static final String password = "admin";
9 usages
private static final Connection con;

static {
    try {
        con = DriverManager.getConnection(url,uname,password);
    } catch (SQLException e) {
        throw new RuntimeException(e);
    }
}
```

# Pizza Factory

## Login

Email

Password

Login

Register

Pizza Factory Home Pizza Menu Utilities

Search

Search

Currently logged on: alexandruivanov8@gmail.com

## About Us

This affection for pizza took us to different pizza spots and we attempted various valid and fascinating arrangements. While we generally appreciate the experience yet more we went about it, more we understood that there was something missing. We couldn't call attention to out yet the experience was not finished, was not healthy.

Living alone from our families in an unknown city, Pizza has been our 'go to' companion for all events and furthermore for no events. What's more, more we eat it, more we adore it. For us it is our 'Pizza Factory'.

Simply subsequent to visiting a great deal of spots and talking about with more pizza sweethearts did we understand that what had been frequenting us for long was 'absence of garnishes' in a pizza. Genuine kind of pizza lies in its flavorful garnishes and there is no greater wrongdoing than keeping down fixings from a Pizza!

We took a stab at looking for reason yet it drove us no place. In any case, we needed a greater amount of those beautiful fixings in our pizza. In this way, we chose to willingly volunteer make what we need the manner in which it should be.

We addressed probably the best Pizza culinary specialists around, sourced the most noteworthy quality fixings from better places around the nation, and following quite a while of research, and afterward incalculable preliminaries were we ready to make a Pizza that we would love to eat. Furthermore, we called it 'Pizza Factory'.

We currently convey to you a pizza hand moved with exactness, flooding with cheddar and stacked with your most loved fixings! Thus, get your 'Pizza Factory' conveyed to your doorstep and appreciate a warm box of goodness.

Contacts



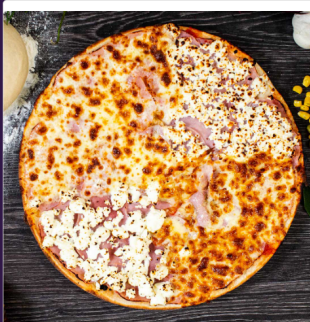
Currently logged on: alexandruivanov8@gmail.com



#### Pizza Diavola

Diavola is a variety of Italian pizza that is traditionally topped with tomato sauce, mozzarella cheese, spicy salami, and hot chili peppers

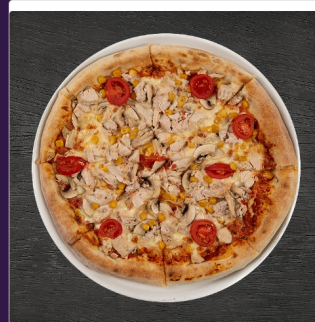
Order for: 23\$



#### Pizza Quattro Formaggi

If you're looking for an ultra cheesy pizza then look no further than this classic! Homemade pizza dough topped with not one but four incredible cheeses.

Order for: 27\$



#### Pizza Pollo

Pizza Pollo is deliciously topped with tomato sauce, mozzarella and Edam cheeses, marinated pieces of chicken breast, tasty spinach and sweetcorn.

Order for: 24\$

Full Name

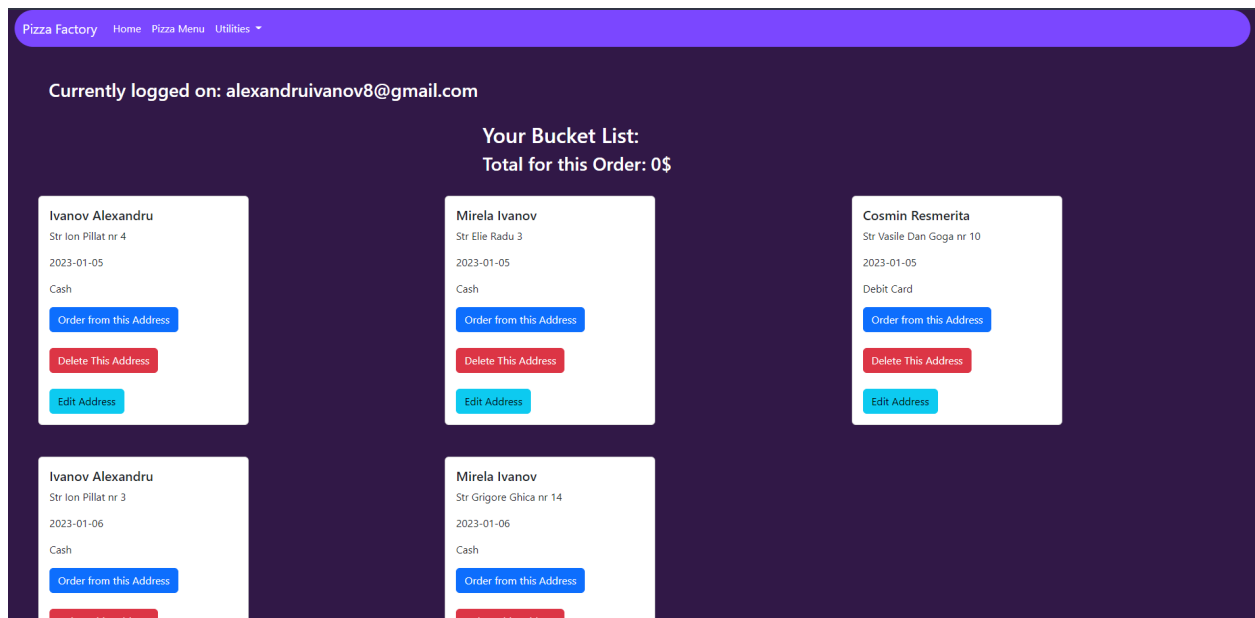
First and Last Name

Full Address

Address

Select Type of Payment

Submit Delivery



## Descrierea cerintelor si modul de organizare al proiectului

Din dorinta mai multor oameni de a-si eficientiza orarele si fructifica timpul la maxim, un sistem de gestiune al comenzilor date la o pizzerie ar putea rezolva problema atat pentru restaurante, cat si clientii lor. Exista situatii frecvente in care clientii sunt foarte grabiti, deoarece sunt foarte ocupati, dar si restaurante care nu sunt in totalitate organizate cand vine vorba de timpul lor. De aceea, un orar, sau mai bine spus sistem de comenzi, ar putea rezolva odata pentru totdeauna problema aceasta.

Informatiile necesare sunt:

- User - sursa principala de venituri a restaurantelor, dar totodata cei care au nevoie de o gestionare a timpului de livrare si a adreselor;
- Pizza - elementul principal al meniului acestui restaurant;
- Sosurile - elementul secundar al meniului acestui restaurant;
- Comenzile - cheia principala prin intermediul careia se vor eficientiza o multime dintre activitati. Pentru o comanda, trebuie sa se cunoasca un utilizator, dar si adresa. Acesta va avea in compozitie o data la care s-a efectuat comanda, precum si metoda de plata a comenzii date.

## Descrierea functionala a aplicatiei

- Inregistrare utilizator si logarea acestora pe conturile lor personale;

- Adaugarea meniului restaurantului;
- Adaugarea, stergerea, editarea si stocarea adreselor diferitelor useri;
- Crearea unei liste de cumparaturi si a pretului final al comenzii

## Descrierea detaliata a entitatilor si a relatiilor dintre tabele

### Tabelele din aplicatie utilizate sunt:

- Delivery;
- Pizza;
- Sauce;
- User\_deliveries;
- User\_menu;
- Users;

Pentru aceasta baza de date s-au folosit 2 relatii de tip many-to-many.

In tabelul **Delivery** exista delivery\_id, name, address, payment\_method, time. Delivery\_id este cheie primara si foreign key pentru tabelul many-to-many user\_deliveries. Celelalte campuri constituie campurile destinate unei adrese utilizate de user, iar campul time descrie data la care a fost introdusa adresa.

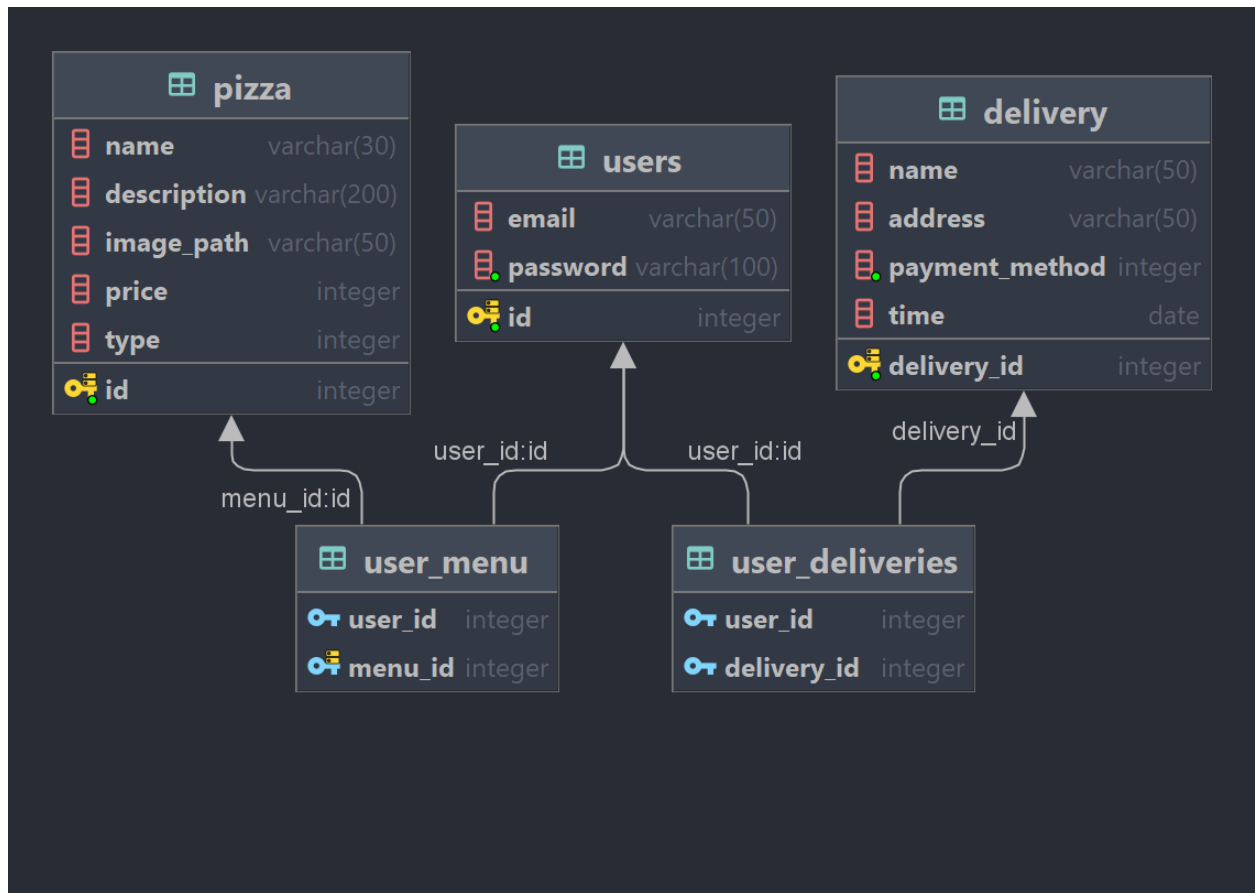
In tabelul **Pizza** exista id, name, description, image\_path, price. Id este cheia primara a acestui tabel, celelalte campuri existand pentru a putea descrie fiecare pizza in parte din meniul restaurantului.

In tabelul **Sauce** exista id, name, description, image\_path, price. Id este cheia primara a acestui tabel, celelalte campuri existand pentru a putea descrie fiecare sos in parte din meniul restaurantului.

In tabelul **Users** exista id, email, password. Id este cheia primara si foreign-key pentru tabelul user\_deliveries. Campul email este destinat diferentierii utilizatorilor si are constrangeri de tip check si not null. Campul password este parola fiecarui user in parte si este criptata in baza de date prin intermediul metodei MD5 hashing technique.

De asemenea, mai sunt prezente si secventele care creeaza un id automat pentru fiecare primary key din baza de date.

## Diagrama Logica:



## Diagrama Entitate-Relatie:

