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| **Oscar Pizzas**  **Documenting and managing a pizzeria**  Technical design file  Version 1 |
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# Versions

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| Author | Date | Description | Version |
| Rok Retar | 01/06/2020 | Document creation | 1 |
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# Introduction

## Document purpose

The present document makes up the technical conception folder for the Oscars pizzeria application

This is a set of documents that describes a product and can prove that the product was designed and according to the requirements of a quality management system.

## References

For further information, please refer also to the following elements:

1. **FDF - version 1** : Functional design folder for the application
2. **OPF – version 1**: Operational file for the application
3. Final delivery report

# Technical Architecture

## General components

### Database

The application uses SQL relation database. The database will be explained in more detail in later chapter

#### 3.1.2 - Server

The application will need a server to host the SQL server

#### 3.1.3 - IDE

The mangers will have to use a IDE to browse the database and perhaps add any new functionality to the application

## Database

As described previously the database uses SQL for queries and adding/changing orders. The database has in total 9 different tables. Tables are:

* Customer
* Login
* Manager
* Phone
* Website
* Staff
* Delivery boy
* Kitchen Staff
* Order

In the customer table we store internal ID of the customer and the customers name

In the login table we store internal login ID, ID of the logged in customer, the ID of customers manager a a login method (either phone or via internet)

In the manager table we store internal manager ID, managers name, phone number and the branch the manager is working in.

In phone table we store, login ID which is both FK and PK, customers name address, phone number and order specifications.

The Website is actually the same table as Phone, but for the users who logged in using website.

The staff table had internal staff ID, and manager ID as a FK

Delivery boy stores internal delivery boy ID, name of delivery boy and two FKs, staff ID and Order ID.

Order tabele stores orderd id, order item, and staff ID as a FK

### Server

The application uses mariaDB SQL server to host the database. It uses version 10.4

### IDE

For building this project DataGrip by JetBrains was used. But it is possible to open the database with and another IDE as well.

# Glossary

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