# Restaurant Management System Deployment Diagram

A deployment diagram for restaurant management system is used to describe the system's operation showing the hardware and software components that run in each node, and explaining the connections between them.

## Restaurant Management System Description

Restaurant management software aims to simplify some of the most common management duties in the restaurant industry. For example, it can combine information from different online booking channels so you can see all reservations and keep this information up to date to avoid double bookings.

This restaurant management system refers to all software that aids in the efficiency of foodservice operations. Restaurants, bars, bakeries, cafes, cloud (dark, virtual, ghost) kitchens, food trucks, and delivery services are all examples.

It performs a variety of duties that are required for a restaurant to function. It's a catch-all word for various restaurant management tools and techniques that ensure top-notch customer service. The following items can be included in your RMS: Point-of-sale Orders and payments are entered into the system.
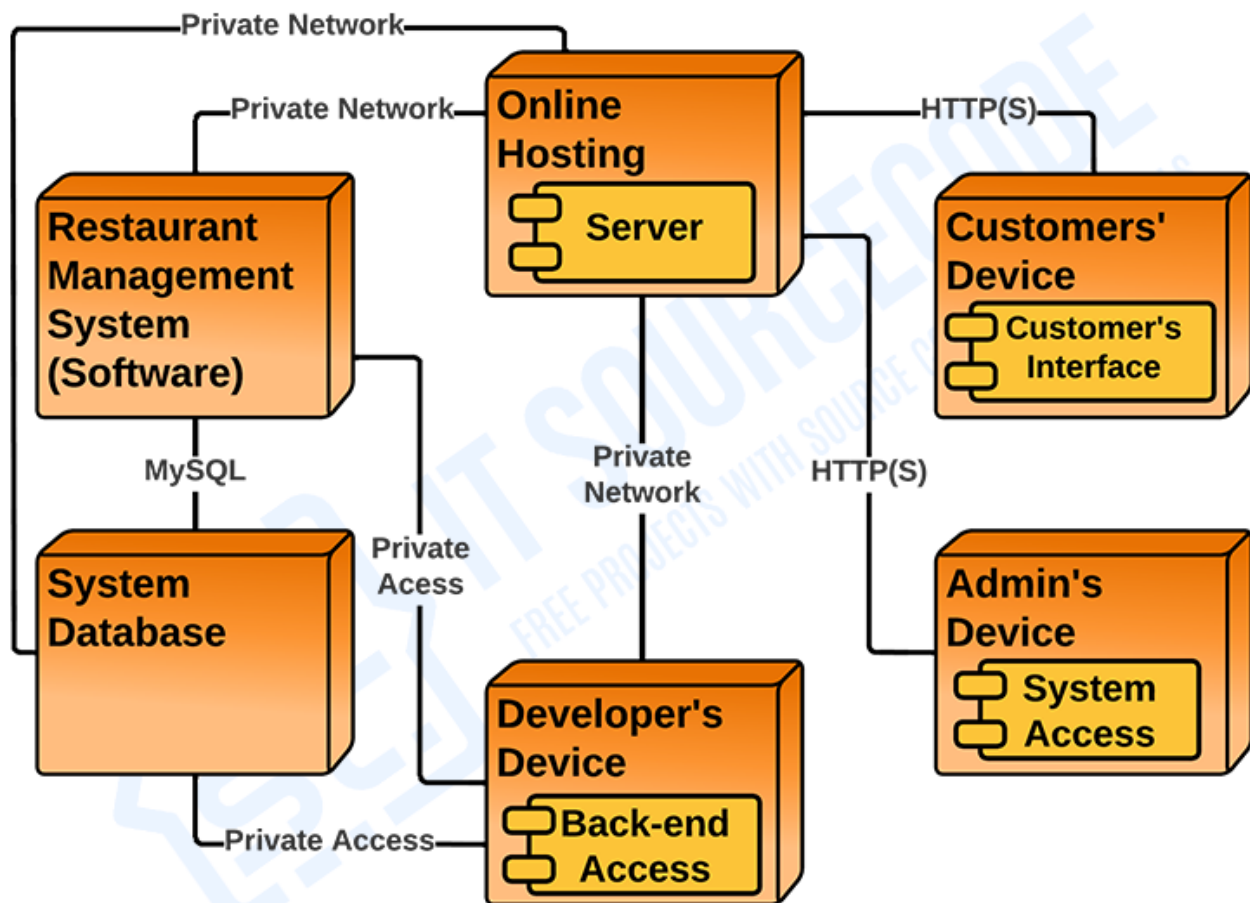
## Benefits of Designing Deployment Diagram:

- It aids in the visualization of the various aspects involved.
- Helps in the better description of all the hardware components used by software components.
- For better understanding, it assists in defining the involved runtime processing nodes.
- This diagram depicts the software installation process on the hardware component.
- It shows how a piece of software interacts with hardware to carry out its tasks.

# Deployment Diagram for Restaurant Management System

The nodes included in restaurant management system deployment diagram are represented by boxes. These boxes are labeled as software or hardware that specifies the included components to carry out the restaurant management process. The boxes will then be connected and labeled to declare the type of connection they have with the other components.

## RESTAURANT MANAGEMENT SYSTEM



## DEPLOYMENT DIAGRAM

*UML Deployment Diagram for Restaurant Management System*

Restaurant Management Systems assist businesses in organizing their operations so that they may concentrate on growing their businesses. The system will manage menu items and inventories, keep track of food costs, and provide restaurant owners and managers with a clear picture at any given time.

# Restaurant Management System UML Deployment Diagram (Explanation)

The Restaurant Management System UML deployment diagram explains the sketch of the relationship between software and hardware. These hardware and software are labeled to clarify their part in the system's operation. They were represented by nodes and the connections were represented by labeled arrows.

The deployment diagram shows the scenario when the system is deployed. It has 6 nodes represented with boxes and relationship connections. The nodes are the restaurant management system, the customer's device, the admin's device, the system database, online hosting (system server), and the developer's device. The online hosting (server) node will host the developed system and database that will be accessed by the users online.

For the connection, the system and the database are connected to the server (online hosting) using a private network which enables it to pass the data and information to the devices and enable users to access the system and database. The developer will have the back-end access which will only be utilized when there are errors or when the system needs an update.