| Modellierung | Name: _____ |
|---|---|
| Practice | Class: _____ |
| Food delivery | Date: _____ |

A young start-up runs a delivery service that allows customers to order food and beverages online. What makes this service special is that it partners with multiple restaurants and delivers their products directly to the customer's doorstep.

Customers register on the platform by providing their contact details, such as name, address, phone number, and email address. Once registered, they can place orders. Each order is clearly assigned to one customer and includes the order date as well as a preferred delivery time. The current status of the order—such as pending, out for delivery, or completed—is also recorded.

The food and beverages offered come from different partner restaurants. Each restaurant has a name, an address, and a phone number. The products offered by these restaurants are displayed on the platform, and each product belongs to exactly one restaurant. In addition to the name, each product has a description and a current price.

When placing an order, customers can select multiple products. For each order, it must be clearly documented which products were selected, in what quantity, and at what price. This is important because prices may change over time, but the price in the order should reflect the one valid at the time of purchase.

Deliveries are carried out by drivers who are also registered in the system. For each driver, the platform stores their name, a phone number, and the type of vehicle they use (e.g., car, bicycle, scooter). One driver can deliver multiple orders, but each order is assigned to only one driver.