

# Functional Specifications

**FOR VISITORS (Unauthenticated Users), the application allows:**

## Course Browsing

- Display by default the list of all available courses
- Display all courses containing a specific keyword
- Display all courses filtered by type (In-person or Remote)
- A course is characterized by: name, description, duration (in days), type (In-person/Remote), price

## Account Management

- Create a user account (login + password)
- Login to access cart and order features

**FOR AUTHENTICATED USERS, the application additionally allows:**

## Cart Management

- Add courses to the cart
- Remove courses from the cart
- View cart content with total amount
- Cart persists across sessions (saved in database)

## Order Management

- Place an order (requires non-empty cart)
- Provide client information when placing order: last name, first name, email, address, phone number
- View order history (list of past orders)
- View order details (order lines with courses and prices)
- One user can place multiple orders for different clients

## Session Management

- Logout (cart is preserved)

# **BUSINESS RULES**

## **Cart Rules**

- One cart per user, automatically created at account creation
- Cannot add the same course twice to the cart
- Cart is automatically emptied after placing an order
- Cart content is preserved when user logs out

## **Order Rules**

- Order requires authentication
- Order requires non-empty cart
- Order requires complete client information
- Order total is frozen at time of order
- One user can have multiple orders for different clients

## **Account Rules**

- Login must be unique
- Password minimum 6 characters
- Invalid credentials display error message