



Courses : Advanced Web Programming
Studina Program : D4 – Informatics Engineering / D4 – Business Information Systems
Semester : 4 (four) / 6 (six)
Information : Case studies for Meeting materials 1~13

Case Study – *Point of Sales* (PoS)

This case study will focus on developing web applications for Point of Sales (PoS) with a simple approach. This application is designed to help manage sales transactions efficiently. Some of the main points that will be covered in this case study include:

Application Purpose:

- Simplify the sales process.
- Record and track transactions accurately.
- Ensure smooth operations in a store or small business.

Main features:

- Inventory Management: Record and manage stock of goods.
- Sales Transaction: Process purchases and print receipts.
- Financial Report: Provides a summary of sales performance.

Programming Technologies and Languages:

- It uses modern web technologies such as HTML, CSS, and JavaScript.
- Leverage web frameworks like [Laravel 10](#) for ease of development.

User Interface (UI) Design:

- A clean and easy-to-understand interface by utilizing templates like [AdminLTE](#)
- Intuitive navigation for users.

This case study aims to provide a comprehensive overview of the simple PoS application development process, from planning to implementation. Each step will be described in detail to ensure the success of the PoS application that suits the needs of users and the desired business environment.



Database Design *Point of Sales* (PoS)

