Introduction

Welcome to your test case at OnlinePOS. We are a market-leading company within POS solutions for restaurants, bars, and festivals. Our goal is to deliver innovative and stable solutions that make it easier for our customers to run their businesses.

This test case is designed to give you a realistic experience of how we work in the development department. Our development process is structured around user stories, acceptance criteria, contextual descriptions, UI mockups, and technical requirements.

In a typical development process, we would conduct a refinement session where we define the details of the task together, identify potential challenges, and estimate the required development time. In this test case, however, we are skipping the refinement step, and you will be responsible for deciding how to best solve the task.

We do not expect a fully production-ready solution, but we would like to see how you approach the task, which decisions you make, and how you work with code, architecture, and UI.

If you believe AI tools can add value to your workflow, you are more than welcome to use them. We see it not as a drawback but as an opportunity to work more efficiently and arrive at better solutions.

Expected time to complete the task: 10–20 hours.

Case Context

OnlinePOS is building a new, updated, and unified main sales view in the mPOS solution, where the cashier must be able to:

- Navigate between product groups and products
- Add products to the cart
- Remove products from the cart
- Complete a payment

It is important that the interface makes it fast and easy for staff to find the correct products so guests can be served efficiently.

User Story

As a cashier
I want to find and add products to a cart and proceed to payment
So that I can quickly and efficiently serve guests and complete the sale.

Acceptance Criteria

1. It must be possible to view all available product groups
2. The current active product group must be visually indicated
3. It must be possible to switch between product groups
4. Products must be shown based on the selected product group
5. A product group must have a name and a color
6. A product must have a name, a color, and a price
7. Clicking a product must add it to the cart
8. The cart must display quantity, name, and price for each line item
9. The cart must display the total price of the products
10. It must be possible to remove a single product from the cart
11. It must be possible to clear the entire cart
12. Clicking a "Pay" button must simulate a payment and clear the cart

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UI Mockup

A graphical mockup is provided and should serve as inspiration for your design.

Technical Requirements

As we aim to build our mPOS platform using the following technologies, it will be a **clear advantage** if you use them in your solution:

- Kotlin Multiplatform
- Compose Multiplatform UI

Additional requirements:

- Use mock data for product groups and products
- The solution must be able to run on both **Android tablets** and **Windows desktops**

Submission

Deadline: Thursday 19th of June at 08:00 AM
Submit to: job2025@onlinepos.dk

We expect the following deliverables:

- A link to your code (e.g. GitHub), so we can review code quality and architecture
- An APK file for Android
- An EXE file for Windows
- A README file including:
    - Installation instructions for both Windows and Android
    - A short description of your solution

Evaluation Criteria

When reviewing your solution, we will focus on:

- Understanding and implementation of the user story and acceptance criteria
- Architecture and code structure
- UI quality
- Ability to make well-reasoned decisions
- Use of the suggested technologies
- Code quality and documentation

Questions

If you have any questions during the assignment, feel free to reach out to:

- Nicolai (Head of Product): NIS@onlinepos.dk
- Maria (Head of User Experience): MHK@onlinepos.dk