Lab - Code Smells

Introduction

We have provided some example code, which could be improved - based on SOLID principles and other code smells.

Starter projects

The starter project for this lab is available in C# and Java versions.

Goals

1. Open the starter project and examine the code.

2. Identify flaws in the Account class.

3. Use SOLID principles to identify code smells in the Account class.

4. Apply refactoring techniques to improve the code and remove the smells.

   Please update the design of this small application.
   Once you have created your own solution, you may refer to the example design below which is just one example of design for the Account class.

Customer ⌄		Account ⌄ 🔧	Order...	OrderManagement ⌄		Orders ⌄
Class	🔧 Account	*Account*		Class	🔧 Orders	Class
		Abstract Class				

CurrentAccount ⌄	DepositeAccount ⌄	DirectDebit ⌄	StandingOrder ⌄
Class	Class	Class	Class
✦ Account	✦ Account	✦ Orders	✦ Orders