

The following are the requirements for Homework 3:

1. **Briefly explain each testing level** using the **testing pyramid** as a reference.
2. Suppose a banking application is under development, and the business decides to implement a **search bar** feature. A development task is created for this feature, and you are assigned the task of testing it.  
**Describe the entire process from start to finish**, including:
  - writing test cases
  - executing the tests
  - closing the taskand explain what you believe must be fulfilled in order to **consider the task completed**.
3. **What is the advantage of Unit Testing over End-to-End/System Testing?**
4. **What is the advantage of End-to-End/System Testing over Unit Testing?**
5. You are given the following functionalities within the banking application:
  - Loan installment calculator
  - Posting incidents in the app (payment errors, functionality errors, display issues)
  - All fields on the registration page are mandatory
  - IBAN payments
  - Investments through the banking application
6. For each functionality, **determine the suitable testing levels** (e.g., **Unit, Integration, End-to-End**) and **justify your choice**.  
Note: A functionality can correspond to more than one testing level.