

Engenharia de Software - 2024/25

**Lab#4 - Requirements Engineering**

1. Using your knowledge of how an ATM is used, develop a set of scenarios that could serve as a basis for understanding the requirements for an ATM system. Please keep in mind that a scenario may include:
  - a. A description of the starting situation;
  - b. A description of the normal flow of events;
  - c. A description of what can go wrong;
  - d. Information about other concurrent activities;
  - e. A description of the state when the scenario finishes.
2. Using the technique where natural language descriptions are presented in a standard format, write plausible user requirements for the following functions:
  - a. An unattended petrol (gas) pump system that includes a credit card reader. The customer swipes the card through the reader then specifies the amount of fuel required. The fuel is delivered, and the customer's account debited.
  - b. The cash-dispensing function in a bank ATM.
  - c. The spelling-check and correcting function in a word processor.
3. Using your knowledge of how an automotive navigation system is used, identify non-functional requirements for that system.
4. Using your knowledge of how “Minha UBI” is used, identify stakeholders, user stories, scenarios, and requirements for that system.