

## Week 5 Seminar – Requirements modelling

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**Task 1.** Doing this task will help you to work on improving similar tasks related to your chosen topic hence to CWK1.

**1.1 Consider the below scenario, identify the requirements, and model them.**

A bank account holder can use the bank's ATM to withdraw money or view the account balance. The user has to log into the ATM system using the bank card and the PIN to use it. The user can print a receipt if required, which shows the account balance and the transaction performed using this ATM.

- Identify the user requirements
- Draw a use case diagram considering the below
  - Use cases (main scenarios)
  - "Include" use cases
  - "Extend" use cases
  - Correct relationship notations

**1.2. Extend your use case diagram for task 1 to include the following requirements.**

Bank staff should be able to use the given interfaces to manage ATM-related operations as follows. The ATM operator staff should be able to receive notifications on ATM cash status by using the given mobile app. The ATM operator can top up an ATM machine and update the system through the mobile app. The branch manager should be able to view the status of ATM machines in the area and generate reports using the given web app.

**Task 2. Model the requirements you gathered and analysed for your chosen topic.**

- Consider the requirements you analysed and submitted for the week 3 seminar.
- Discuss with the seminar lead to verify the validity of the requirements.
- Draw a use case diagram for the verified requirements.

**Submission:**

- Submit outputs of your work on Task 2: a report containing your verified requirements and a use case diagram.