

## ACTIVITY 4:

### Activity about the previous reading

### Certificate Investigator

#### Objective:

Students will analyze real-world scenarios to identify the correct type of public-key certificate and its purpose. This activity encourages critical thinking and reinforces understanding of the reading content.

#### Instructions:

1. **Divide the Class:** Split the class into small groups of 3–5 students and create breakout rooms.
2. **Provide the Scenario Cards:** Share the following scenarios with each group (via a shared document or online presentation).

#### Scenarios

1. **E-Commerce Security:** A large e-commerce website wants to secure customer transactions during checkout. Which type of certificate should they use, and why?
2. **Secure Email Communication:** An employee needs to ensure that emails sent to clients are encrypted and only readable by the recipient. What certificate should they obtain?
3. **Personal Authentication:** A freelance web developer wants to digitally sign their code to prove authenticity to clients. Which certificate is appropriate for them?
4. **Small Business Website:** A new local bakery is creating its first website and needs basic security to show customers they can trust their site. Which certificate fits their needs?
5. **High-Security Bank Website:** A bank needs to provide its clients with the highest trust level for online transactions. Which certificate should they use, and what process might it involve?

#### 3. Discuss and Answer:

Each group will discuss the scenarios and match them to the appropriate certificate type (e.g., Domain Validation, Extended Validation, Email Certificates, etc.).

#### 4. Share Findings:

Groups will present their answers and reasoning to the class (or in the main online room).