

Week 1 Tutorial

Introduction to Information Security

Group Discussion and Analysis (40 minutes)

Each group may have up to three members.

Once the groups are formed, you will be allocated a group topic.

a) Scenario topics:

- 1- An online holiday booking system.
- 2- A medium size school timetabling and attendance system
- 3- An estate agent web application
- 4- A restaurant self-service digital ordering system

b) Using the using the McCumber Cube framework, analyse your scenario topic and identify the following:

- 1- The information state(s) involved (Storage, Transmission, Processing).
- 2- The security goal(s) that need to be addressed (Confidentiality, Integrity, Availability).
- 3- Appropriate security measures (Policy, Technology, Education) to achieve these goals.

c) Discuss the points below:

- 1- What are the potential risks or threats in this scenario?
- 2- Are there other security measures that could be implemented?
- 3- How do the chosen measures interact with each other?

Presentation and Class Discussion (10 minutes each)

Each group to present their scenario and analysis to the class.