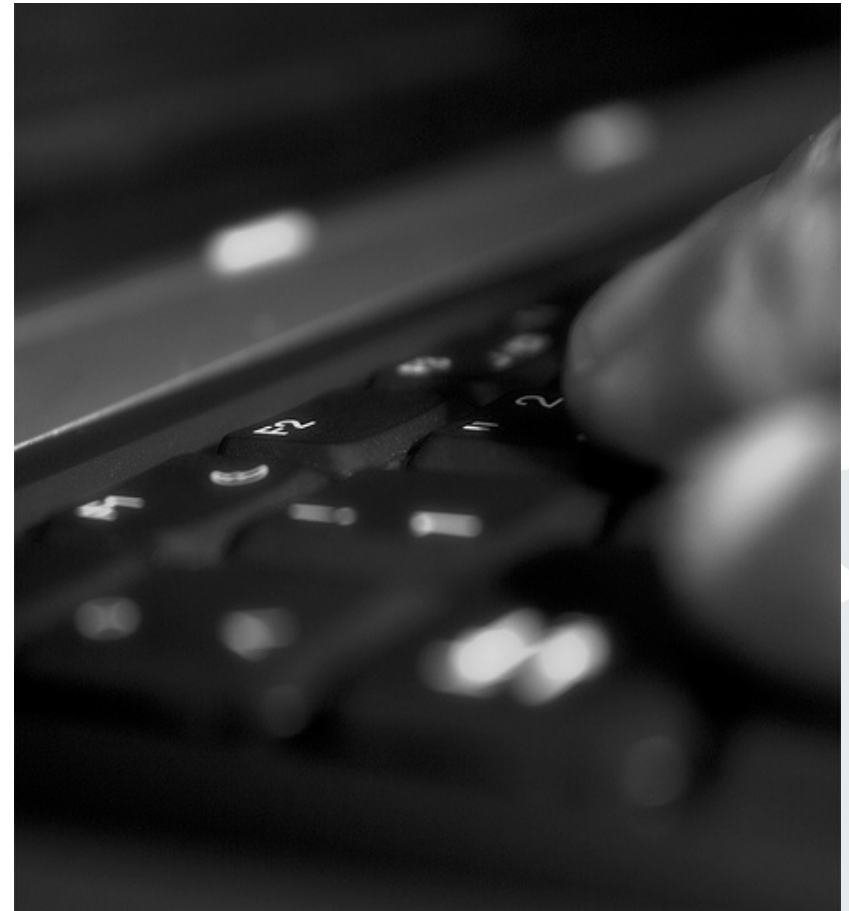


Exercise 1 Business Informatics 2 (PWIN)

Information Systems
WS 2025

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Jenser (Flickr.com)

- a) Describe the difference between an Information System and an Application System
- b) Name the components of a Hardware System, Software System, Application System and Information System
- c) Referring to InstaMatch, give an example for an Information System and an Application System

- a) What is a model? Give an example in relation to InstaMatch.
- b) Explain briefly the abstraction mechanisms “aggregation” and “generalisation” in the modelling context. In addition, give an example for each of the two mechanisms with regard to InstaMatch.
- c) What are meta models? Give an example in relation to InstaMatch.

Exercise 3: Enterprise Modelling

- a) Explain why ARIS models differentiate between the three abstraction layers *conceptual model*, *technical model*, and *implementation*. What target group (e.g. project manager, developer, etc.) does each layer specifically address?
- b) Develop a high-level Enterprise Model of the InstaMatch using the ARIS approach.
- c) Give three examples of challenges that could arise in enterprise modelling.

Exercise 4: Media Disruptions

- a) What is the meaning of the term “media disruption” in the context of Information Systems? Name two consequences of media disruptions in Information Systems for an enterprise.

- b) How can media disruptions be rectified? What challenges can emerge during this approach?