CS-C3120 Human-Computer Interaction

EXAM 15.12.2023

1) **Definitions of key concepts in the context of Human-computer interaction (HCI) and Human-centred design (HCD) (12p)**
   Describe the following key concepts and provide examples.
   a) Usability (max 3p)
   b) User experience (UX) (max 3p)
   c) Heuristic evaluation (max 3p)
   d) Accessibility (max 3p)

2) **The process model of human-centred design of interactive systems, defined in ISO standard, includes four key activities and is characterized as being an iterative process. (10p)**
   a) What are these four key human-centred design activities? (max 4p)
   b) What kind of methods are used in each activity? (max 4p)
   c) How are the principles of human-centred design related to the process model? (max 2p)

3) **Affordances in Interface Design (8p)**
   a) What is an affordance and how are affordances related to interface design? (max 2p)
   b) Introduce the following three principles of user interface design with examples: Visibility, Constrains and Mapping. (max 6p)