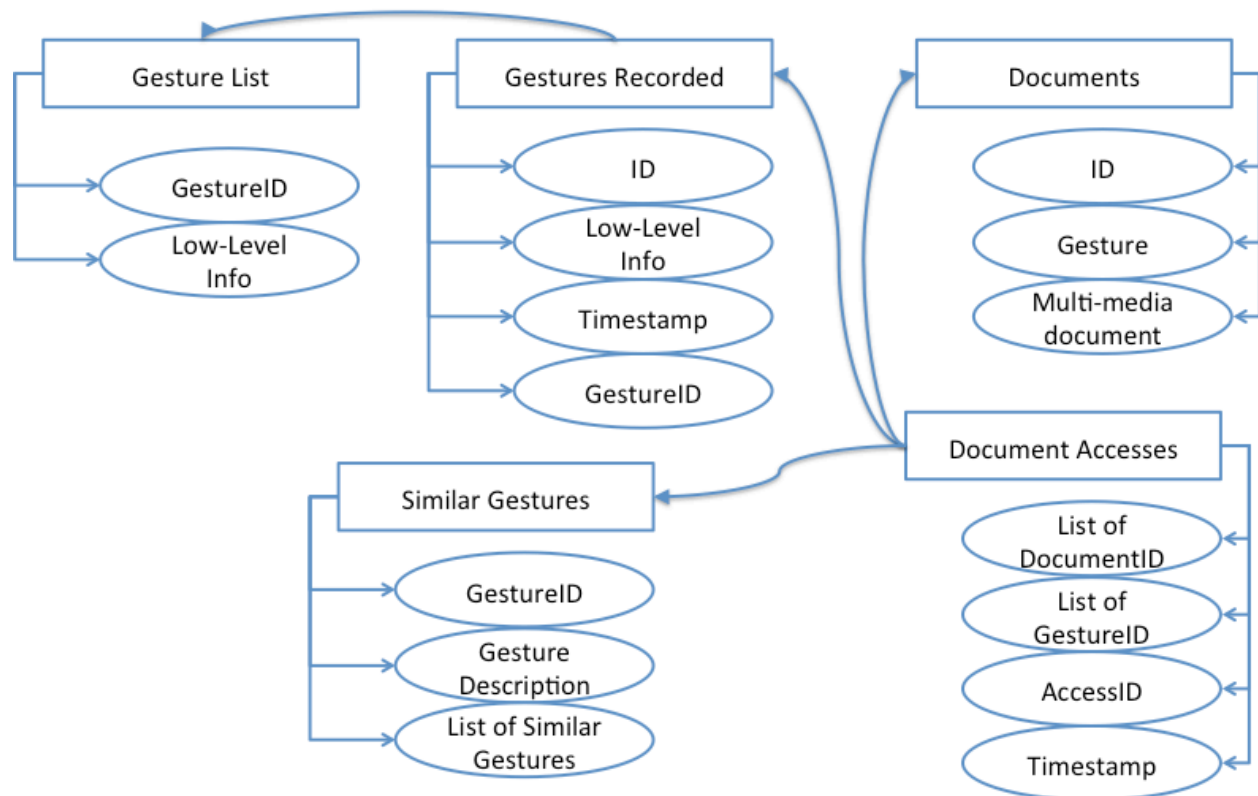


Kelli Ireland
2011.10.11

CS2310 Exercise 4

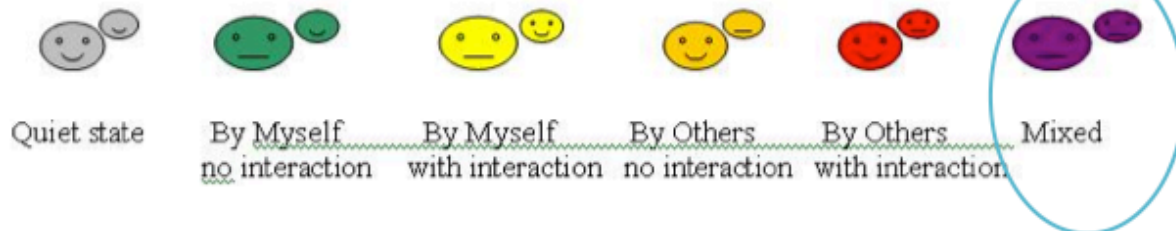
The purpose of this exercise is to apply multimedia functional dependency to multimedia applications design. Given an application (its requirements), design the multimedia database using multimedia functional dependency theory. Then specify the patterns (IC cards) associated with the multimedia database. The application is the personal health care system that allows the user (a senior citizen) to access related multimedia documents using gestures. A new classification scheme based upon the gestures associated with the multimedia documents is to be introduced. This would allow users to search for multimedia titles similar to a known audio search key (such as the voice of a certain author). Your task is to design the multimedia database and associate patterns (IC cards), which can in turn be transformed into IC index and finally an implementation.

Multimedia DB Design



IC Name: Multimedia Document Interface

Description/Task: Input gesture, output one or more multimedia documents



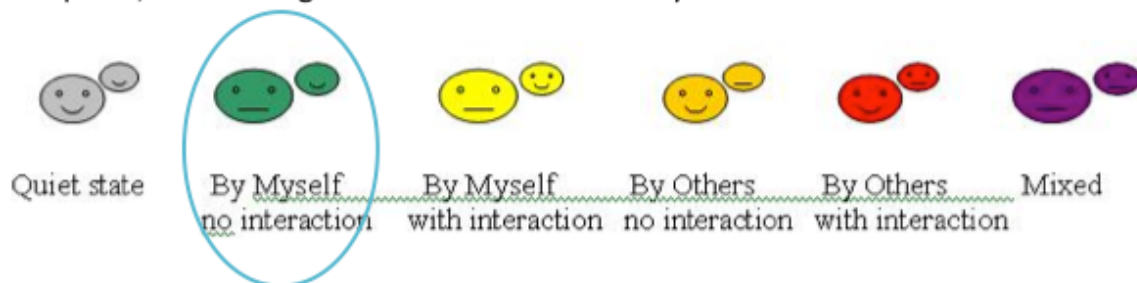
Interaction with other IC: Add gesture record and identify

Interaction with other IC: Find similar gestures

Interaction with other IC: Find all related documents available

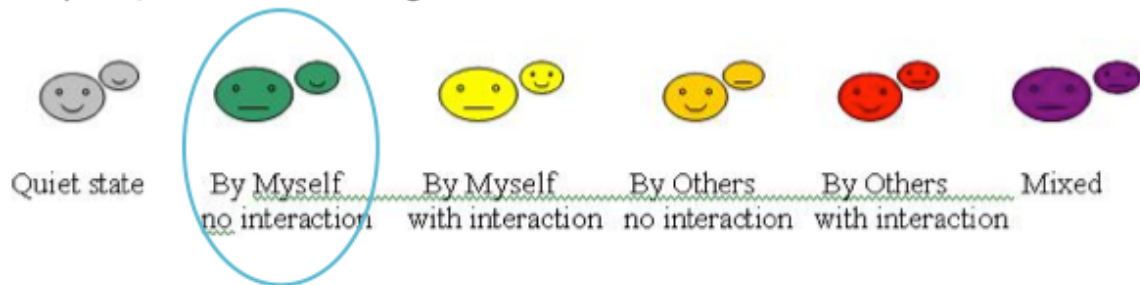
IC Name: Add gesture record and identify

Description/Task: Add gesture record and identify



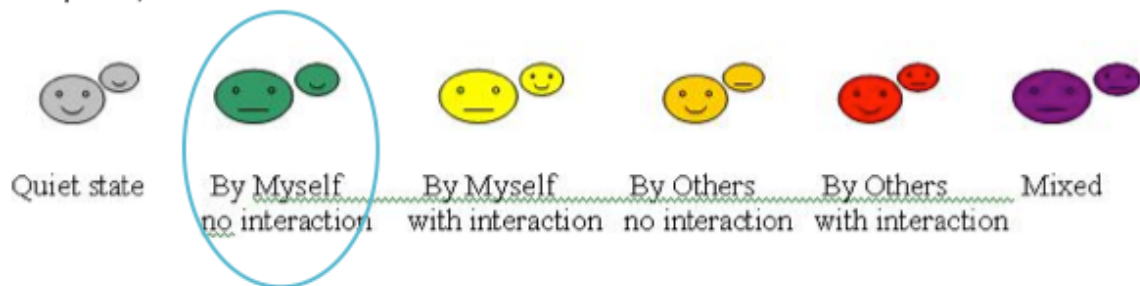
IC Name: Find similar gestures

Description/Task: Find similar gestures



IC Name: Find all related documents available

Description/Task: Find all related documents available



IC card relationships

