

Use Case: Storing heterogeneous research data

Title (goal)	Storing heterogeneous research data
Primary Actor	Researcher
Scope	System black-box
Level	User-goal
Story	A geographically distributed research group has conducted a set of 250 interviews with pupils. Each interview is represented by a video/audio stream, a transcript of the interview, and a set of stills from the video. The length of the interviews varies between 10 and 45 mins. The researchers now analyze the videos and comment on specific behavior of the interviewees. Each comment is linked to a temporal section of the video. The length of a comment varies between single words up to several paragraphs. Comments are seen as research data objects in their own right (with authors, provenance, and additional metadata). Thus, the system needs to efficiently store objects in a size range from 100s of bytes to several gigabytes.