

Short Study Project (equiv. "Kurz Studienarbeit (KSA)")



Title	Short Study Project in Multimedia Database Systems
Subject	Implementation of RTP and RTSP for Open and Adaptable MultiMonster Media Server
Background	Nowadays, images, music and videos are recorded to a big extend in digital form. The project Multimonster Multiedia Server, which has been finished recently, allows for storing and managing audio and video data. It is extensible architecture exploiting plugin technology. It also provides conversion capabilities and quality adaptation to specific user requirements. The open architecture of Multimonster allows for creating a platform-independent graphical user interface. The specific API has been already proposed. It would allow for: searching, managing, describing, configuring quality (bitrate), specifying format, delivering the media streams (streaming, downloading), storing the media streams (uploading), and administering the Multimonster Media Server.
Task	This study work should extend the existing Multimonster Multimedia Server. The real-time streaming protocol together with the real-time protocol must be implemented and tested. The implementation should be done as a plugin to the MediaProxy and Transporter system components.
Requirements	good knowledge of English interest in multimedia area, especially in audio-video conversion good knowledge of Java programming language familiarity with Eclipse
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