Master project proposal 1:

**Title:** Mobile Application for Personalized Interactive TV  
**Research Domain:** Personalization, User Modeling, Semantic Web, Digital Television  
**Tools related:** Web, settop box, mobile, RFID readers and tags, fingerprint recognition  
**Project Context:** iFanzy project in collaboration with Stoneroos Interactive TV  
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**Brief summary:** This masters project focuses on the design and development of a simple mobile client in the context of the personalized TV guide iFanzy. The main result of the project aims at provision of synchronization protocol between the existing iFanzy Web client and a mobile client (including programming data for recording, reminders, preferences and user data). A central role here is played by the user model synchronization on the Web and on the mobile client (e.g. using open standards like openID and FOAF). Additionally, hardware aspects for user identification with the mobile will be taken in consideration (e.g. RFID, fingerprint recognition). The current iFanzy demonstrator makes use of Semantic Web technologies for modeling of domain and user data (e.g. enriching existing TV content with semantic metadata)

**Related assignment:** Web-Settop Box Application for Personalized Interactive TV, focusing on extending the current iFanzy Web client with synchronization functionality with a settop box.

**Past masters theses** within the CHIP project [Chris Smeets; Tim Dekker; Erik Loef]