

## Master project proposal 2:

### Title: Personalized Multimedia Museum Guide on a PDA

**Research Domain:** Personalization, User Modeling, Semantic Web

**Tools related:** Web-based demonstrators, PDA-based demonstrators, RFID, NSF

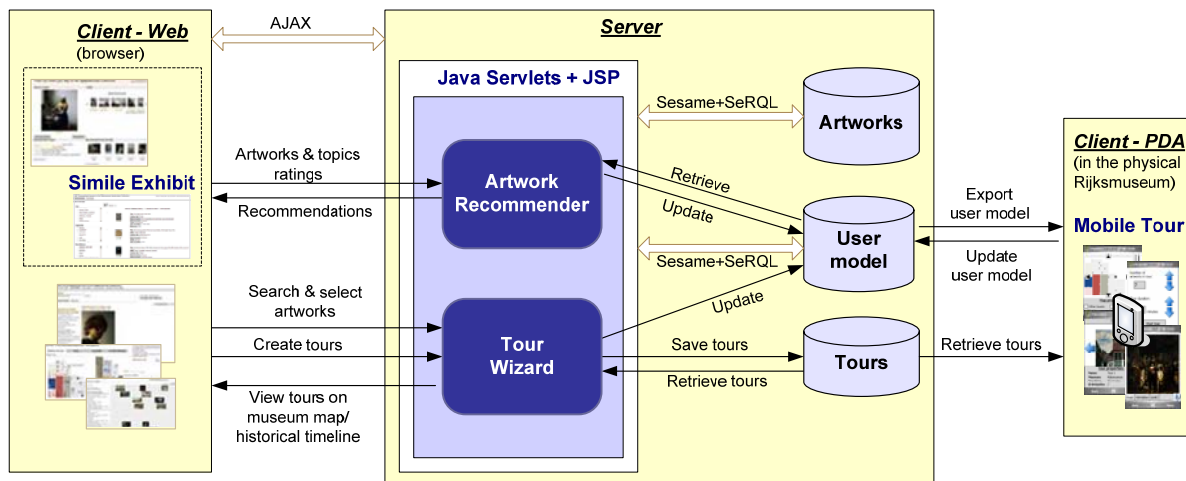
**Project Context:** CHIP project in collaboration with the Rijksmuseum Amsterdam

**Project URL:** <http://www.chip-project.org> (try out the tutorial in order to see the PDA-tour)

**Contact:** Lora Aroyo ([l.m.aroyo@cs.vu.nl](mailto:l.m.aroyo@cs.vu.nl))

**Brief summary:** This master project focuses on extending the existing PDA-based multimedia guide with some of the advanced personalization functionality, e.g. adaptive artwork sequence, way-finding, indication of other museum visitor's positioning, shared tours, etc. Current PDA tour uses RFID technology for locating artworks. One aspect for extending the current prototype could be exploring the use of Near Field Communication (NFC) technology instead. The CHIP demonstrator makes use of Semantic Web technologies for modeling of domain and user data (e.g. enriching existing museum collections with semantic metadata).

**Related assignments are:** (1) Smart Posters; (2) Integration of social and preference data from Flickr, Del.icio.us, YouTube, etc.



### CHIP Personalized Access to the Rijksmuseum Amsterdam Collection [Tutorial](#) [Project Page](#) [View Full Profile](#) [Log Out \(lora\)](#)

Art Recommender | **Tour Wizard**

#### Artwork To Rate



Rate this artwork  
 Not interested  
 Add to tour(s)

[Previous artwork](#)

[Next artwork](#)

#### Your Profile

##### Topics I Like

**Creation site (1)**  
 ★★★★★ Haarlem  
**Material Medium (1)**  
 ★★★★★ Oil paint  
**Styles (1)**  
 ★★★★★ Baroque  
**Themes (2)**  
 ★★★★★ Food and Drink  
 ★★★★★ Still lifes with objects

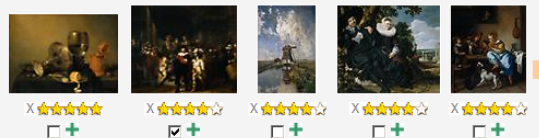
##### Neutral Topics

**Artists (1)**  
 ★★★★★ Steen, Jan  
**Themes (2)**  
 ★★★★★ Table- and kitchenware  
 ★★★★★ Silver

##### Topics I Dislike

**Artists (1)**  
 ★☆☆☆☆ Heda, Willem Claesz.  
**Themes (2)**  
 ★☆☆☆☆ Portraiture  
 ★☆☆☆☆ Group

#### Artworks I Rated (6)



#### Topics We Recommend (53)

★★★★★ Panels [?](#)  
 ★★★★★ Unprimed canvas [?](#)  
 ★★★★★ Brush technique [?](#)  
 ★★★★★ Still lifes with food [?](#)  
 ★★★★★ The Glory of the Golden Age [?](#)  
[See all recommended topics...](#)

#### Artworks We Recommend (396)

