

DETERMINING USER INTERESTS ABOUT MUSEUM COLLECTIONS

From quick user ratings to recommended topics for further study

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Adaptive cycle of presentations of artworks for user rating, derived from semantics-based reasoning on domain vocabularies

User model builds incrementally with interaction, allowing user to monitor and adjust collective ratings

Find out what you like in the Rijksmuseum collection

Save & log out
Log out without save

Art Work To Rate

Profile

- Like Topics
 - Artists (1)
 - ★★★★◆ Johannes Vermeer
 - Places (0)
 - Themes (24)
- Like Art Works (21)
 - ★★★★◆

Dislike topics

- Artists (1)
 - ◆★★★★ Ferdinand Bol

Recommended Topics (23)

- ★★★★◆ Sourt art (encyclopedia) Why?
- ★★★★◆ Lions (encyclopedia) Why?
- ★★★★◆ Silverwork techniques (encyclopedia) Why?
- ★★★★◆ Gold- and silverwork (encyclopedia) Why?
- ★★★★◆ Hinduism (encyclopedia) Why?

Recommended Art Works (309)

Why "Court art" is given as a recommendation?

You got this recommendation because of the following selections:

Next artefact

Explanations of why recommendations occur

Image gives user quick impression

Artwork chosen strategically for quicker recommendations

User gives rating

User clicks to browse annotations and related concepts

Broadening around artefact "Battle between Krishna and Shrigala"

Check or un-check items you are interested/not interested in

Artist: Artist unknown (miniatures)

Period & Location: Chitwan, 1600 to 1700

Categories: Group, Figures (men), Mughal miniatures, Couches, Miniatures

Themes: Death, Struggle and Strife, Gods and Deities

Encyclopedic: Krishna, Horse, Pastors, Asiatic art, Mughal Empire, Hindulism, Akbar, Great Mughal, Vishnu

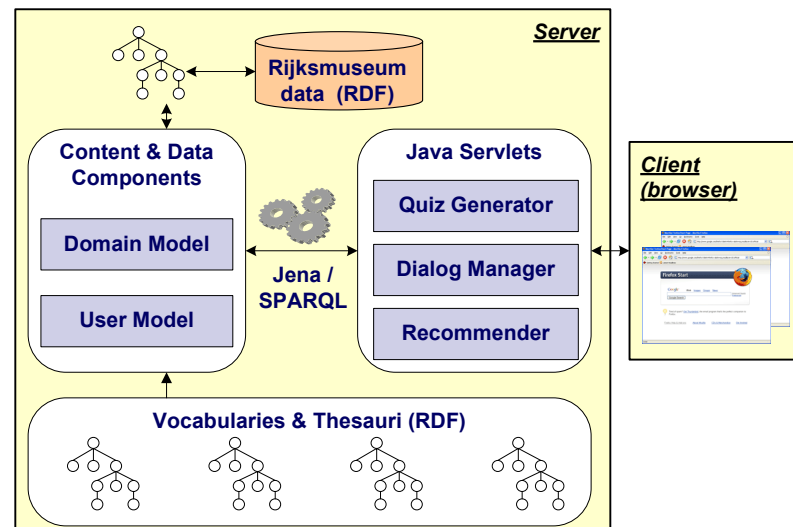
Recommended topics reflecting user interest in artworks

Recommending additional artworks reflecting user interest in topics

Key Points

- Provide personalized access to the Rijksmuseum collections:
 - Improve user's experience on Rijksmuseum Web site
 - Interactive & unobtrusive user/context modeling
 - Novice user finds interests without prior knowledge
- Provide semantics-enhanced recommendations:
 - Content-based recommendation techniques
 - Reasoning on both positively and negatively rated artworks
 - Identify common properties of strongly rated artworks
 - Semantic Web provides properties for comparison
 - Semantic browsing unifies artworks and concepts
- Cycle of impressions and education
 - Educational topics not as quickly rated as images
 - Start user with quickly rateable objects (artefact images)
 - Common properties are recommended educational topics
 - Topic displays then lead to related artworks as examples
 - Quick impressions lead to tailored education

Architecture



CATCH / CHIP Project

PERSONALIZED PRESENTATION AND NAVIGATION OF CULTURAL HERITAGE CONTENT

<http://www.chip-project.org/demo/>