Design and Implementation of a Personalized Outdoor Audio Tour Guide in HTML5

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Who is the Project For?

For master students with

- Personalized Web-based environments/recommenders
- Mobile applications
- Semantic Web
- Human-technology interaction
- HTML5 => future of Web development
- World/cultural heritage

Collaboration with
- Built Environment Dpt. of TU/e
- Professional companies such as TIE Holding,
Sources of Inspiration
Available Tools

- Results of the CHIP project
- Cultural Heritage Information Personalization
- Prototype of the personalized museum guide
  http://chip.win.tue.nl
CHIP Web-Based Tools: Tour de Rijks

Art Recommender: discovering interests in artworks & art topics

Tour Wizard: managing & visualizing museum tours

Mobile Guide: guidance inside museum

http://chip.win.tue.nl/demo/
CHIP Follow Up: Tour d’Amsterdam

Recommender for points of interest in the city

Tour Wizard: managing & visualizing city tours

Mobile City Guide

http://chip.win.tue.nl/cityguide/
CHIP Follow Up: Collaboration with Built Environment Dpt. of TU/e

Protected Urban Planet (PUP)
http://www.protectedurbanplanet.net/
PUP Sight Guide
http://chip.win.tue.nl/cityguide/sightguide
Project Proposal

Make a personalised outdoor tour guide a reality:

- GPS-enabled
- Utilize knowledge about (next to interests)
  - context - location, visited places, time, date, day of week, weather
- Extensions:
  - for gathering information on cultural/world heritage
  - collaborative filtering
- UIs design, but not too much focus on complicated visualization
- Your own ideas for an app…