

Creating Personalized City Tours Using the CHIP Prototype

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CHIP @ Rijksmuseum Amsterdam



Background

- CHIP stands for Cultural Heritage Information Personalization
- Prototype of a Personalized Museum Guide <http://www.chip-project.org/demo>
- Based on semantically enriched collection data of the Rijksmuseum

Research project

- Collaboration between two departments of TU/e: Mathematics and Computer Science & Built Environment
- Application of CHIP software: from Museum to City & Museum
- World Heritage (WH) city Amsterdam as case study <http://www.chip-project.org/cityguide>
- Prototype mobile PUP Sight Guide <http://www.chip-project.org/cityguide/sightguide>
- PUP stands for Protected Urban Planet <http://www.protectedurbanplanet.net>

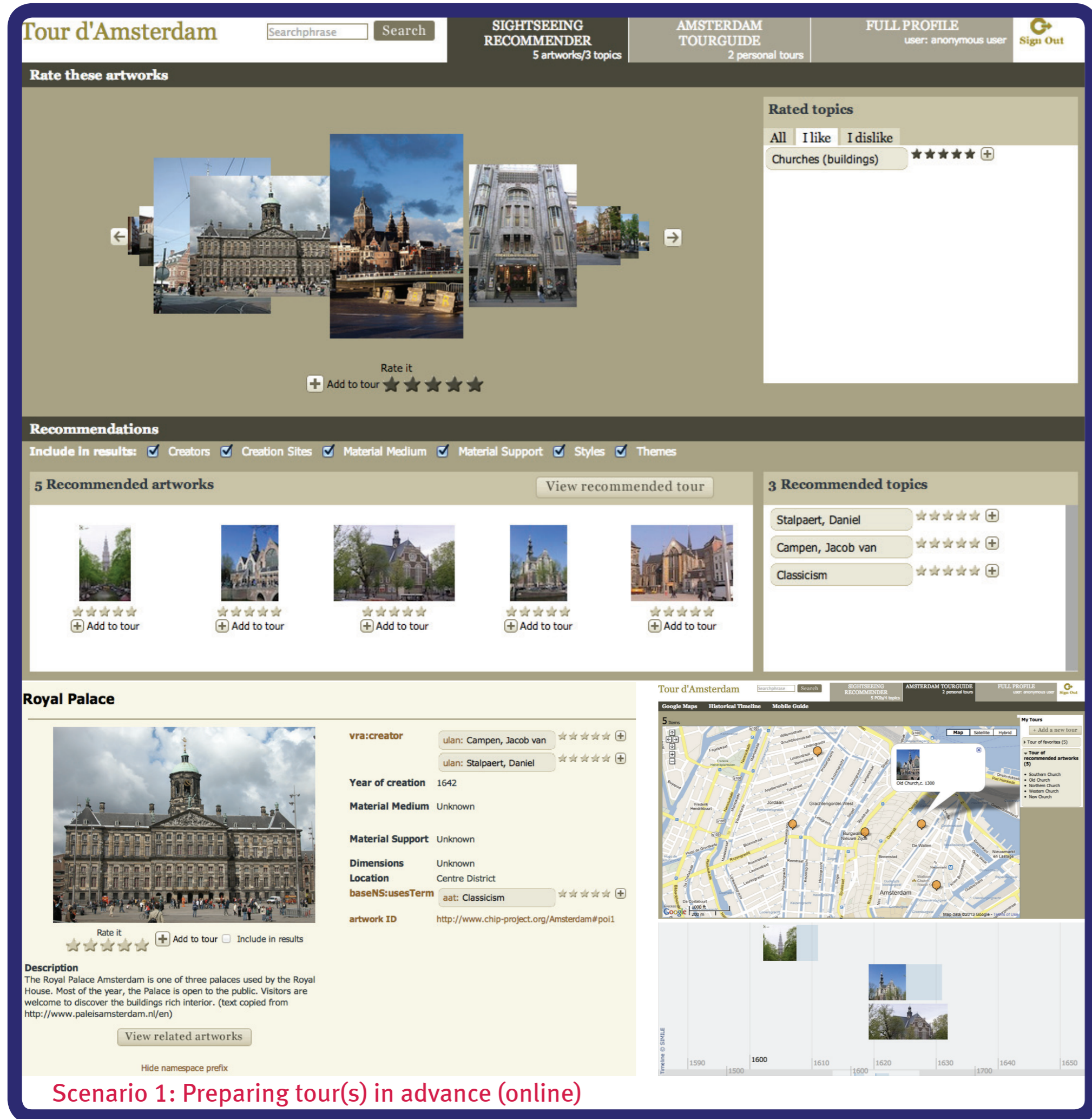
Virtuous circle online and onsite between arts and heritage




Welcome to Amsterdam

Photo: Amsterdam (2012) J.J. Swart

Tour d'Amsterdam



Scenario 1: Preparing tour(s) in advance (online)



same architect (Cuypers)

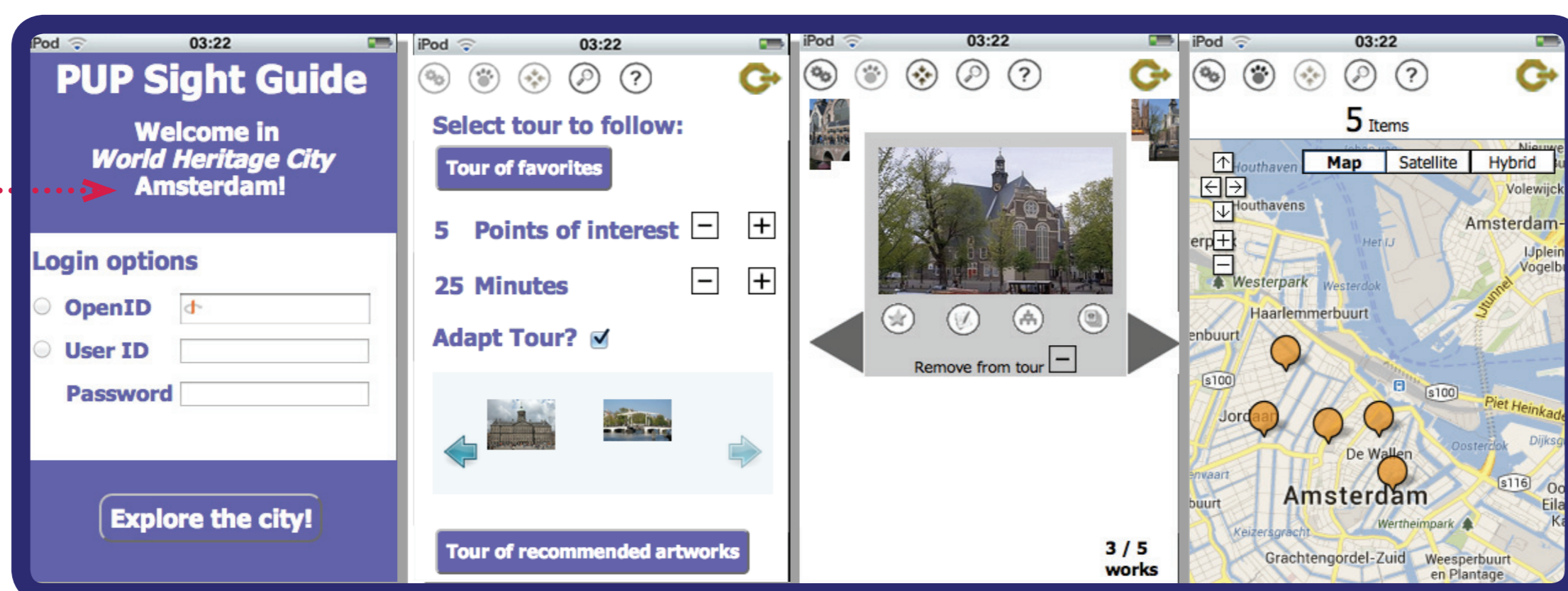
same style (Dutch renaissance)

same building (Town Hall)

Scenario 1 continued: Following tour(s) prepared in advance (onsite)



Scenario 2: Design tour(s) on the spot (onsite)



Future work

- Build ontology on (World) Heritage
- Calculate optimal route
- Adapt story content
- Give context based warnings
- Use visitor's information from social sites
- Use PUP Sight Guide to collect data on WH
- Perform user studies

