




CityInMyPocket



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The city tripper: who is he?

- Intellectual and physical pleasure
- Sample the atmosphere
- Feeling the pulse of the city

→ inner enrichment


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1. Before the trip

"I've read a lot about it. And then all those films with New York in it. And of course the city is constantly in the news..."


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What do city trippers choose?

- Hear, see and read
- Event or exhibition
- Friends
- Image


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The need for information (before)

- Sights and attractions
- Local colour
- Practical things

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The need for information (before)

The amount of information depends on the nature of the city trip

- the time you have
- how many times you've already visited the city
- personal interests

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2. During the trip

"Sometimes they are too voluminous"

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The need for information (during)

○ What to visit?:

- Personal interests
- Attraction itself
- Mobility
- Time
- The 'optimum' time
- The weather
- Entrance fee

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The need for information (during)

○ Average visitor = fast info


○ Day's schedule not always stringent

○ The ideal route doesn't exist

○ Active and passive attitude

○ 'Guide' or 'shepherd'


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The ideal guide

- Global picture
- Big stories and the 'petites histoires'
- Local colour
- Enthusiastic
- Imagine oneself
 - unique and delightful experience


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3. After the trip

"The guidebooks are on the bookshelf. If you spot them, all the memories come back."


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Souvenirs (after)

- Guidebook= tangible souvenir
- From shoebox to real diary
- Diaries on the net


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Digital city guide

- High expectations
- Added value
- Physical and psychical thresholds
- Confidence and trustworthy
- Supposed compelling character


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5. De digitale wandelgids

"A book has its charm, but such an electronic thing can do a lot more."

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Conclusions & recommendations

- City perception
- Local colour
- Big stories and 'petites histoires'
- Create a good atmosphere
- Multi-stage information
- Random access
- Familiar interaction model

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Conclusions & recommendations

- Convincing look-'n-feel user interface
- Profile and preferences
- Clusters
- 'Guide' or 'shepherd'
- Practical and up-to-date info + preferential treatment

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Overview


- Concept
 - Points of interest
 - Walks
 - Events
 - Plan your trip
 - Map
- Map application prototype
 - Data preparation
 - Features
 - SVG

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Concept – Points of interest

- Information
 - Historical buildings
 - Restaurants
 - Shopping areas
- Icon on the map
 - Name, picture, address
- Short information
- Detailed information
- Multimedia: pictures, text, audio
- Routing: TomTom/Alturion


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Concept – Walks

- Information
 - Length
 - Duration
 - Short information
- Different walks
 - Historical walk
 - Thematic walk
- Line on the map
- Different stops along the route
 - With short and detailed information
 - Multimedia (video)
- Routing


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Concept – Events

- Information
 - Address
 - Name
 - Date/time
- Icons on the map
- Alerts ?
- Short & detailed information


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Concept – Plan your trip

- Information
 - Points of interest
 - Marked points
 - Walks
- Can change order
- Suggestions
 - Manual
 - Future: based on user profile


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Concept – Map

- Information
 - Map layers
 - Points of interest
 - Walks
 - Location information
 - Location
 - Track


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Data preparation

- GIS data
 - Shape to SVG
 - Many layers for streets
 - Need only 2 layers
 - XSLT transformation
 - Minimize file size
 - Integrate Points of Interest
 - Add data manually
 - Parcs
 - Marketplaces
 - Walking paths

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Data preparation

- o POI/Walks
 - Extended GPX
 - GPX = XML for waypoints
 - GPX to SVG
 - GPX as data for application

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Data preparation

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Overzicht

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Features

- Map
 - Interactive
 - Zooming
 - Panning
 - Centre user
 - Infolabels
 - Streetlabels
 - Layer visibility
 - Rotate
 - Level of detail
 - Points of interest
 - GPS for location
 - Track
 - Routing to any point
 - Mark points on the map (hotel)


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Features

All layers




Turn off Walk




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Features


Turn off marketplaces



Turn off small streets




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Features

- Information
 - Short <-> detailed
 - Audio, video, foto and text
 - Walks
 - Points of interest
 - Tourist attractions
 - Restaurants
 - Parcs
 - Stories, local culture
 - Events


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SVG

- Scalable Vector Graphics
 - Web Standard
 - 2D graphics
 - GIS also vector format
- Currently
 - eSVG for PocketPC
 - No alternatives for PDA
 - Limited functionality
 - Unstable

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SVG

- Visual Studio 2005 & MFC/C++
 - C# and .Net CF not possible
 - MFC more complex
 - Documentation not optimal
- Future
 - Renesis?
 - More support for mobile phones and smartphones
 - Support for webbrowsers (desktop)

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More info

www.cityinmypocket.org

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