Manual JerusalemDB

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7. Mai 2014

contents

problem

example: place "House of Mary“

- source A, 16th century: “house of Mary, 60 double steps north the Temple Mount, not directly next to the city walls“
- source B, 16th century: “place where Mary was born, 20 double steps northwest of the lion's gate, 20 steps west of the city walls“
- source C, 19th century: “Mary's birthplace, between austrian hospice and city walls“

$\Rightarrow$ places can have time-dependent different denominations

$\Rightarrow$ places can have time-dependent different localizations

$\Rightarrow$ places may not be always punctually located

solution

- topos
  - name
- place
  - name
  - located at points
  - temporal validity
  - optional: additional instances
- topos $\Leftrightarrow$ place any
  - optional: temporal validity for linkage

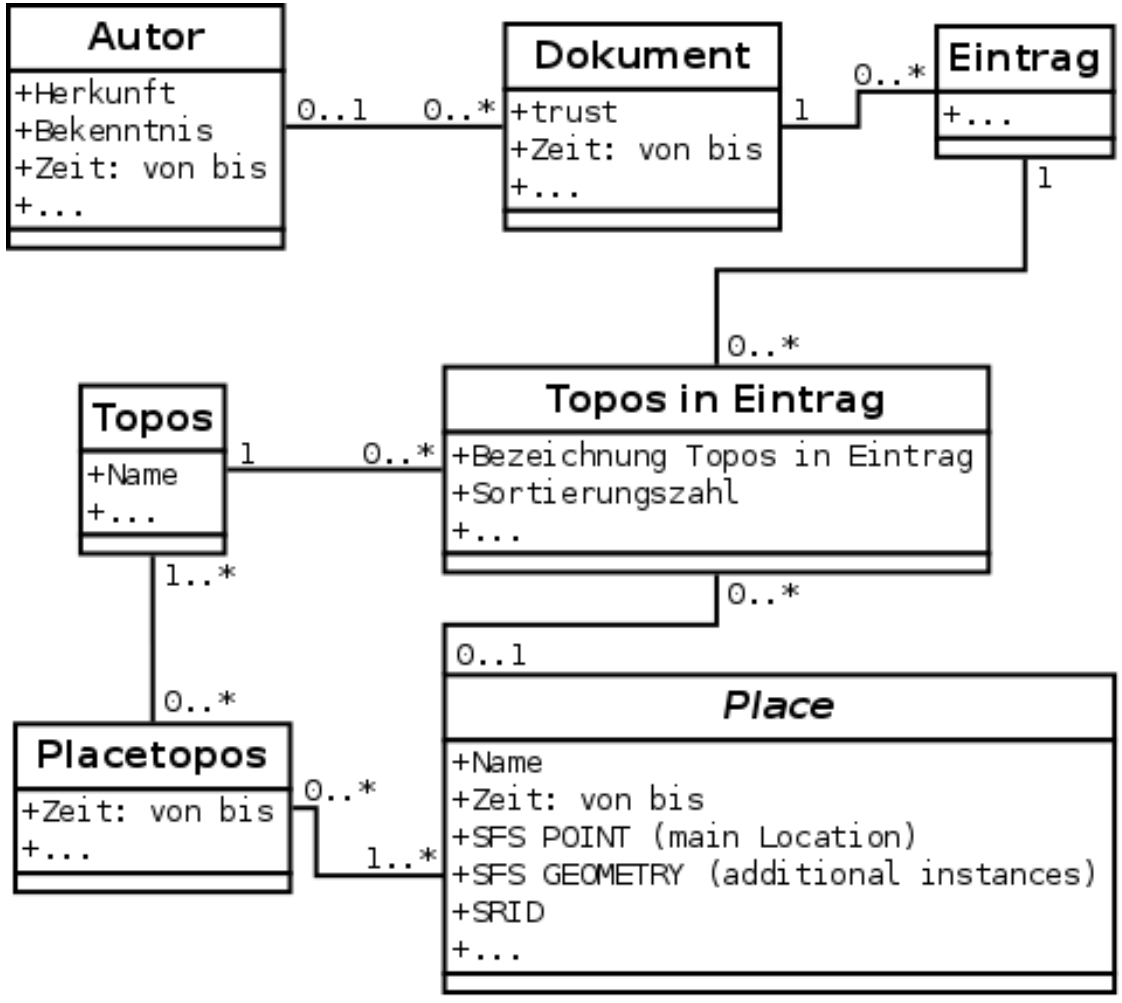
solution

- one document - many entries
- one entry - many topos_in_entry
- topos_in_entry:
  - entry $\Leftrightarrow$ topos
  - optional: entry $\Leftrightarrow$ place
  - optional: alternative name for topos
  - optional: sorting number

solution

- relational modeling:
  - independent entities: author(Autor), document(Dokument), topos(Topos), place(Place)
  - dependent entities: entry(Eintrag), topos_in_entry(Topos_in_Eintrag), placetopos(Placetopos)

solution - modeling [schematic representation]



software - installation

- JerusalemDB.jar installs required structures and serves as program entry point
- database directory in JerusalemData/JerusalemDB/DB

$\Rightarrow$ do not delete jar-file

$\Rightarrow$ do not delete or move directory JerusalemData

software - program use - general

- division into table area (top left), work area (top right), map area (below)
- size of elements can be set by mouse; settings are persisted

software - program use - menu bar

- traverse through history of selected records: button “back“ respectively “next“ (modifier key + U, modifier key + V)
- show manual map interaction
- start analysis dialog
- export data (csv)
- exit program

software - program use - table area

- selection & navigation by mouse, arrow keys or enter
- selection of table columns via button “display“
- selection triggers display of data in work area
- selection triggers display of connected data in table area

software - program use - work area

- choose work panel: hold modifier key, +T, then traverse by TAB
- new record: select element “new“ in top box
- selection dataset: select item in top box
- save: modifier key (displayed at startup)+S
- next dataset & save: modifier key+N
- previous dataset & save: modifier key+B
- reset: modifier key+Z
- delete: modifier key+L

software - program use - work area

- @document: integer trust value (min 1 - max 5) $\Rightarrow$ fine-grained analysis
- @topos_in_entry: sorting number $\Rightarrow$ topos_in_entry independent of order of entries; when selecting document, sorting numbers are displayed next to main locations
- @place: “+topos“ $\Rightarrow$ associate currentyl selected place with a topos; optional: period from to
- @topos: “+place“ $\Rightarrow$ associate currently selected topos with a place; optional: period from to

software - program use - map area

- place: main location (red diamond), additional instance (green diamond)
- click
  - if main location selected $\Rightarrow$ select place
  - & shift key: if place selected in table $\Rightarrow$ move main location, else $\Rightarrow$ create new place
  - & shift key & ctrl key: if place selected in table $\Rightarrow$ add additional instances to place, then display added instances by shift key + click onto main location of place
- confirm key actions by buttons “save“,“<“ or “>“ [work area]

software - program use - map area

- click
  - & alt key: cancel selection, reload map
  - & shift key & alt key: if place selected in table $\Rightarrow$ delete additional instance by clicking onto it
  - & alt key & ctrl key: display values for map adjustment
- confirm key actions by buttons “save“,“$<$“ or “$>$“ [work area]

software - program use - properties file

- to be found at: JerusalemData/JerusalemResources/properties
- change backup interval [default: 120 min] via entry/key “backup_interval_in_minutes“
- change map: modify entry/key
  - defaultmap
- change map: define entries/key [defaultmap as placeholder for value of entry/key “defaultmap“]
  - defaultmap_filename
  - map_defaultmap_topleftX; map_defaultmap_topleftY
  - map_defaultmap_width; map_defaultmap_height
  - map_defaultmap_w1; map_defaultmap_w2
  - map_defaultmap_h1; map_defaultmap_h2
  - map_defaultmap_x1; map_defaultmap_x2
  - map_defaultmap_y1; map_defaultmap_y2

software - program use - properties file

- change map step by step
  - copy map into directory JerusalemDB/JerusalemResources/images
  - modify defaultmap (ex.: OSMJerusalemOldTown)
  - define defaultmap_filename (ex.: OSMJerusalemOldTown_filename = OSMJerusalemOldTown.png)
  - define defaultmap_absolute_path
  - set size of map $\Rightarrow$ _width & _height
  - set _w1, _w2, _h1, _h2, _x1, _x2, _y1, _y2 to 1
  - start software
  - click on outermost upper left position on map while pressing & alt key & ctrl key $\Rightarrow$ _topleftX & _topleftY
  - click on upper left position on map(_w[idth]1, _h[eight]1) while pressing & alt key & ctrl key $\Rightarrow$ _x1 & _y1
  - click on lower right position on map(_w[idth]2, _h[eight]2) while pressing & alt key & ctrl key $\Rightarrow$ _x2 & _y2
  - set _w1, _w2, _h1, _h2, _x1, _x2, _y1, _y2 according to values