

Open Street Map Controls



Example

Components

- ▲ Some simple examples
 - Hello World!
 - Mini Spreadsheet
 - Demo Budget
- ▲ Straight Controls
 - ▶ Basic Controls
 - ▶ Label Control
 - ▶ Field Control
 - ▶ Invokers
 - ▶ Combo Box
 - ▶ Text Input/Output
 - ▶ Check Box & Radio Button
 - ▶ Images
 - ▶ Value Representation
 - ▶ Enabled/ Disabled
 - ▶ Menus
 - ▶ Hot Keys
 - ▶ Structure Components
 - ▶ File Up/Download
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 - Statusbar
 - ▲ Open Street Map
 - Simple Scenario
 - Dynamic Way Points
 - Client Clock
 - ▶ Scheduling
- Containers
- Grids & Trees
- General

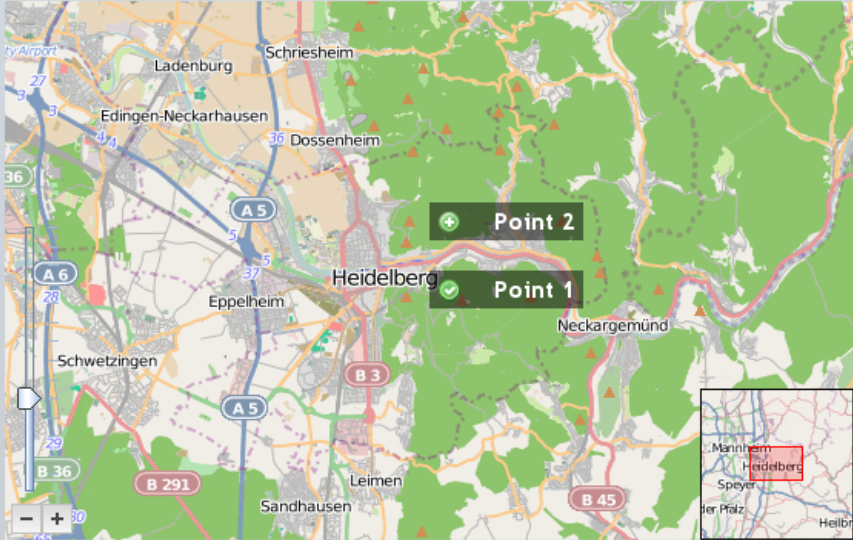
Functions Inbox ▼

Simple Scenario ▶▶ □ ×

Demo Layout XML Server side Java Code

Latitude

Longitude



The Open Street Map (OSM) Viewer renders the maps that are available within the OSM project.

Definitions are quite simple:

(.) Within the OSMVIEWER component you define the center point of the map (latitude/longitude) and the scroll level.
 (.) Below the OSMVIEWER you can place OSMVIEWERWAYPOINT components, each one holding a coordinate, a width/height (pixels) and a BGPAINTE command for rendering the content.

There are some events that you can register to:
 (.) OSMVIEWER sends a BaseActionEventOsmviewerSelection event when the user clicks into the map - but only if the mouse-down and mouse-up position are exactly the same. The selected latitude/longitude values can be accessed from the corresponding event information. .docu]

Background

- Open Street Map (OSM) is „open, free, Community-based“
 - Details: www.openstreetmap.org
 - „Perfect“ for mapped-based-browsing
- The OSM Viewer component that CaptainCasa internally used is made by the Swing-Labs
 - Details: www.swinglabs.org



Features

- Available...
 - Zooming in map (e.g. using the mouse wheel)
 - Moving map by drag&drop
 - Automated positioning on a given coordinate
- Definition of Points of Interest
 - ...with text, graphics, drawing (BGPAINTE) definition
- Interactivity
 - Click in map reaction => communication of coordinate to server
 - Click on Point of Interest => action on server side



Interactive Scenario

Name of Location	Latitude	Longitude	
Heidelberg, Castle	49,411112809289975	8,715119361877441	Remove
Speyer, Dome	49,31717765464028	8,442220687866211	Remove
My aunt's house	49,50113403316642	8,798675537109375	Remove
Lovely place	49,533230478523684	8.34136962890625	Remove

Data Update in Grid will update Map

Click in map will created net Grid Item

„Missing“ Features

- When comparing to GoogleMaps the following features are not available:
 - Satellite images
 - Automated finding of coordinates (e.g. by town and streetname), with OSM you always have to know the coordinate



Open Street Map Components

- OSMVIEWER Component

```
<t:row id="g_12" >  
  <t:osmviewer id="g_13"  
    actionListener="#{wp.DemoOsmViewer.onSelection}"  
    height="100%" latitude="#{wp.DemoOsmViewer.latitude}"  
    longitude="#{wp.DemoOsmViewer.longitude}"  
    osmzoom="6" width="100%" >  
    <t:osmviewerwaypoint id="g_14"  
      actionListener="#{wp.DemoOsmViewer.onPoint1Action}"  
      bgpaint="..." height="25" latitude="49.411112809289975"  
      longitude="8.715183734893799" width="100" />  
  </t:osmviewer>  
</t:row>
```

- Please check examples in Demo Workplace.