



# iPoint

Version 1.2

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**User's Manuals**

April 15, 2007

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# Table of Contents

- Features
  - Opening a Project
  - Creating a New Project
  - Creating Images For Maps
  - Inserting Maps
  - Calibrating Maps
  - Adding Points-Of-Interest
  - Editing Points-Of-Interest
  - Type Definition
  - Exporting a Project
  - Importing a Project
  - How to Sync Projects from PC to Pocket PC
  - Project Manager (Pocket PC)
  - Map View (Pocket PC)
  - Switch Map (Pocket PC)
  - Point-Of-Interest Window (Pocket PC)
  - Editing Point-Of-Interest
  - Adding Notes to Points-Of-Interest
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# Features

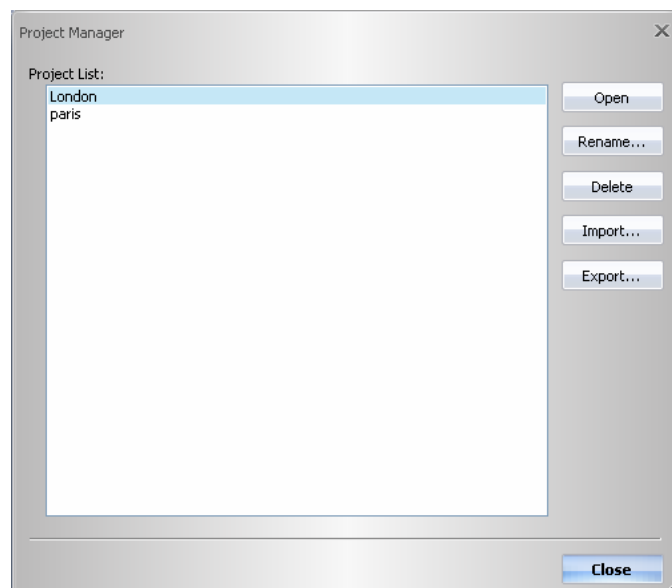
iPoint is a powerful application that help you plan your trip. It comes with PC release (free) and Pocket PC release. You can plan your trip, collect information with PC release and take it with you on a Pocket PC. iPoint is a location-based database using any map in image format (.jpeg, .bmp, .png, .gif). Sharing data with others is as easy as a click of a button. iPoint is a fully functional database, where users can define their own categories as well as the attributes of each specific category. Yet iPoint is not simply a database. You can load in multiple maps and mark POI (points of interest) on the maps. Each individual point can have its own specified attributes, such as telephone numbers, addresses, descriptions, attached images, and attached files. In addition to plotting out favorite restaurants and planning your next trip, you can also make a simple neighborhood map, a hiking or cycling path, or even your walking routes. Using any map of any location, you can plot any plan.

- Support a variety of map image formats (jpg, bmp, png, gif, etc). Use a screenshot, scanned file, or digital photo.
  - Supports large format map files. No file size limitation and fast map browsing on both PC and Pocket PC.
  - Multiple map insertion.
  - Map Calibration.
  - Support of non-north-oriented maps.
  - Multilingual data input.
  - User defined points of interest icons.
  - Zoom in, zoom out, zoom all, and zoom specified area (draw a rectangle to zoom in).
  - Show or hide point of interest name.
  - Easily switch between maps, "Click" on attached file will open the file.
  - Attached file can be of any type such as pdf file, map3, Word Doc file, Excel file, etc.
  - Import / Export projects to share with others.
  - Take notes for each Point-Of-Interest.
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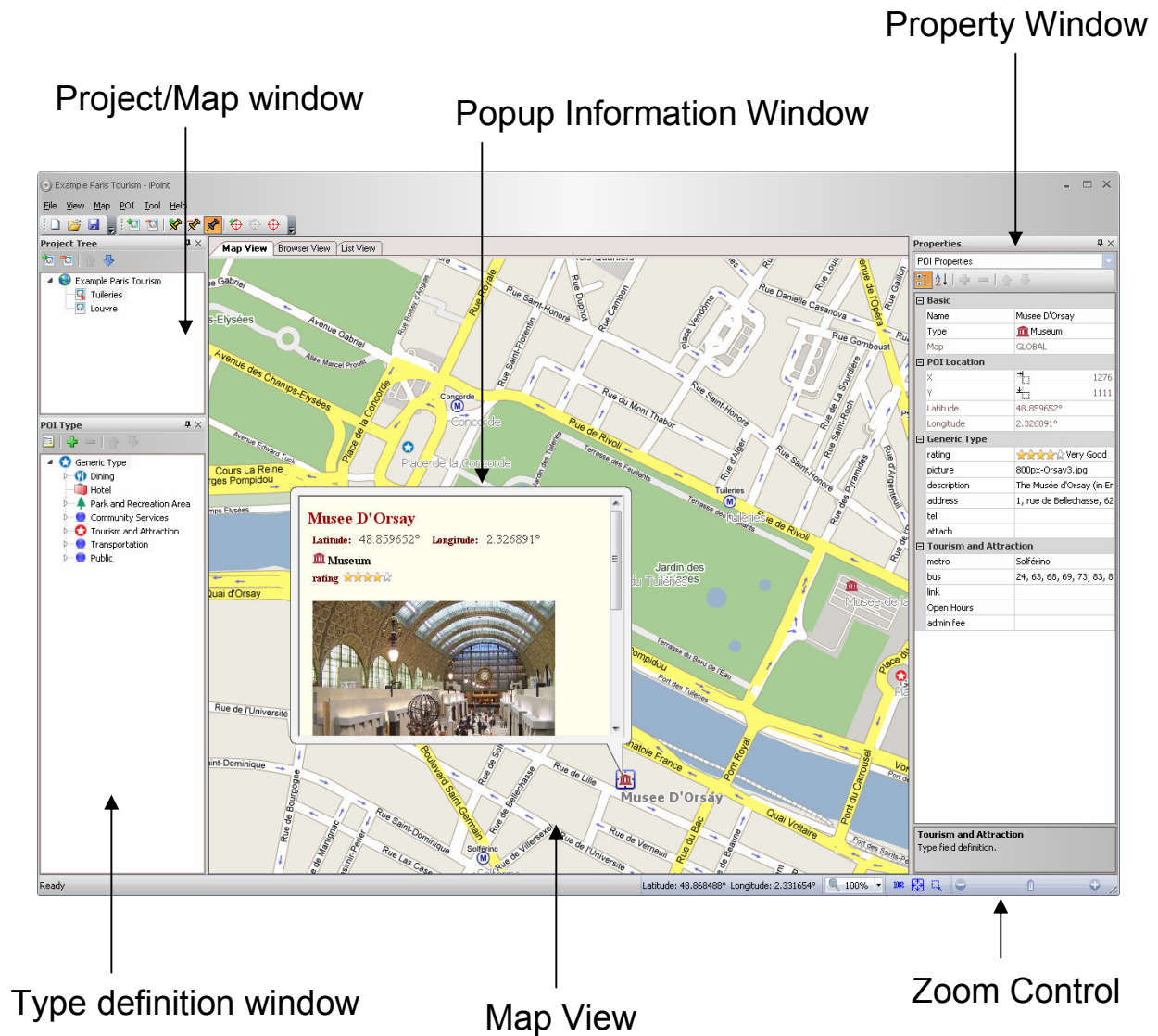
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# Open Project

- Select “File” → “Open Project” command. All projects in the work space will show in the “Project Manager” window.
- Users can manage all projects in the “Project Manager Window”. All projects are stored in “Workspace”. (Select “Tool” → “Options” to configure the “Workspace” location.)
- Use “Export Project”, “Import Project” to share projects with others.



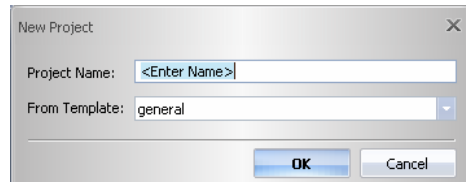
# Open Project Window Overview



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# New Project

- Select “File” → “New Project...” command will create a new project.



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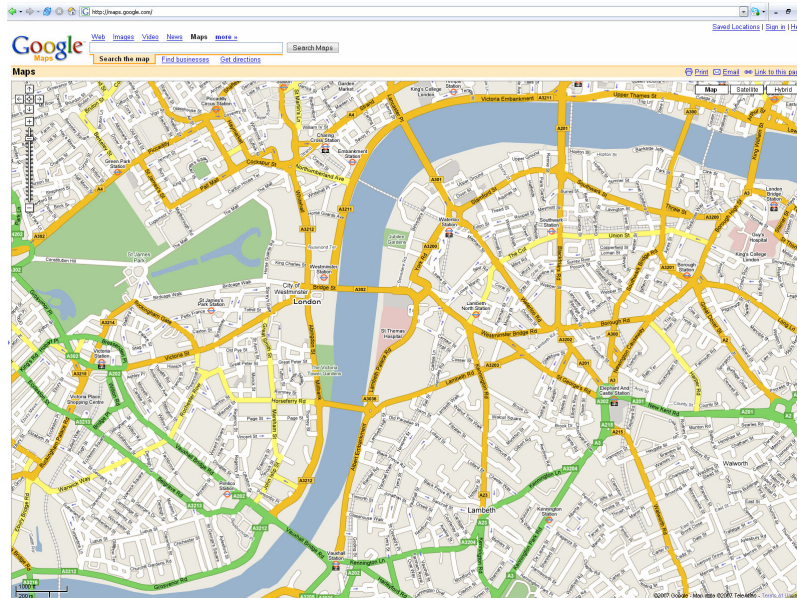
# Creating Images for Maps

- Capture maps from web sites.
    - Google map - <http://maps.google.com>
    - Live Search – <http://maps.live.com>
    - MapQuest - <http://www.mapquest.com>
    - Yahoo! Map - <http://maps.yahoo.com>
    - Multimap.com - <http://www.multimap.com>
  - From desktop program
    - Google Earth
  - From printed map
    - Digital camera
    - Scanner
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# Creating Images for Maps

## (From the internet)



- Zoom to the area.
- View “Full Screen” (key F11).
- Press “Print Screen” key.
- Open an image editing program like “Paint”.
- Select “Edit” → “Paste” (Ctrl-V) command.
- Edit and save as image file (jpeg, png, bmp, tiff).



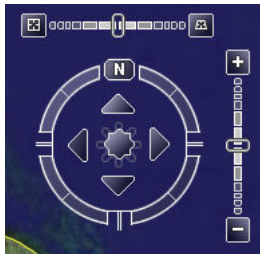


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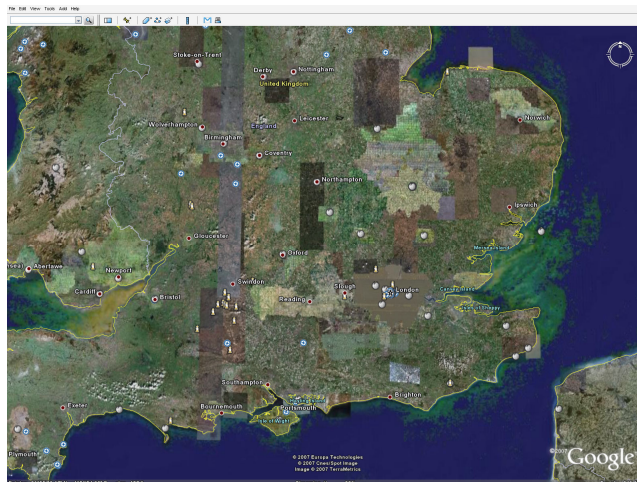
# Creating Images for Maps

(from Google Earth)

- Download at <http://earth.google.com/download-earth.html>
- Zoom to the area.
- Press button “N” to orient map to north.

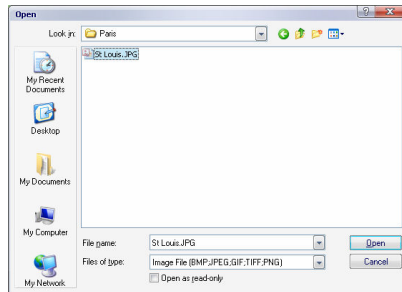


- Select “View” → “Fullscreen” command ( or F11 key).
- Select “File” → “Save” → “Save Image...” command.

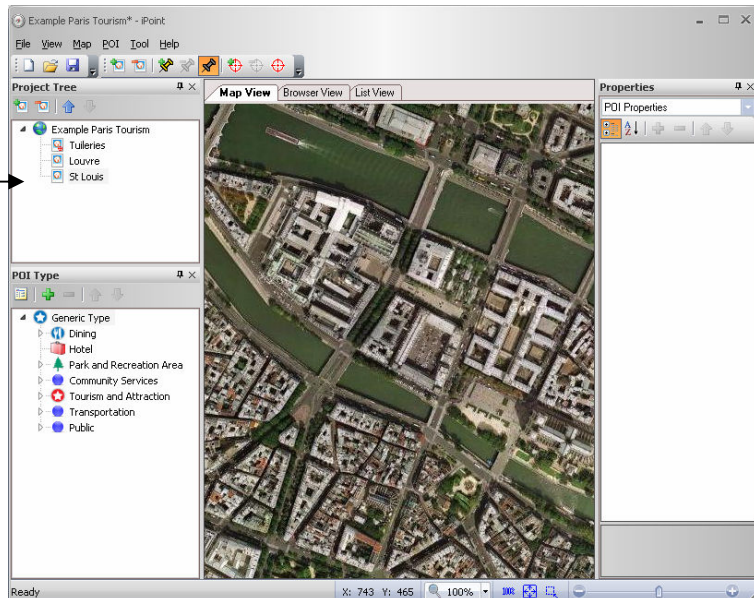


# Inserting Maps

- Select “Map” → “Insert Map”
- Select an image file.
- The new map will appear in the project window.



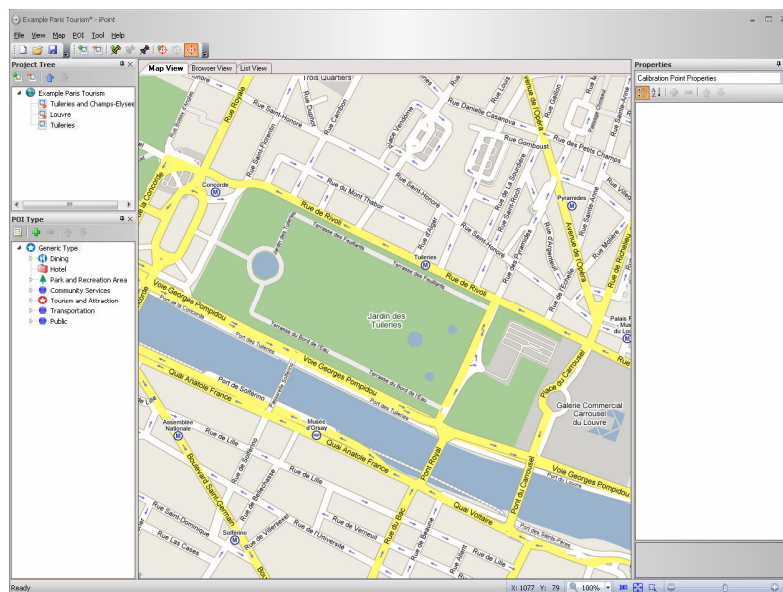
Newly Added Map



# Calibrating Maps

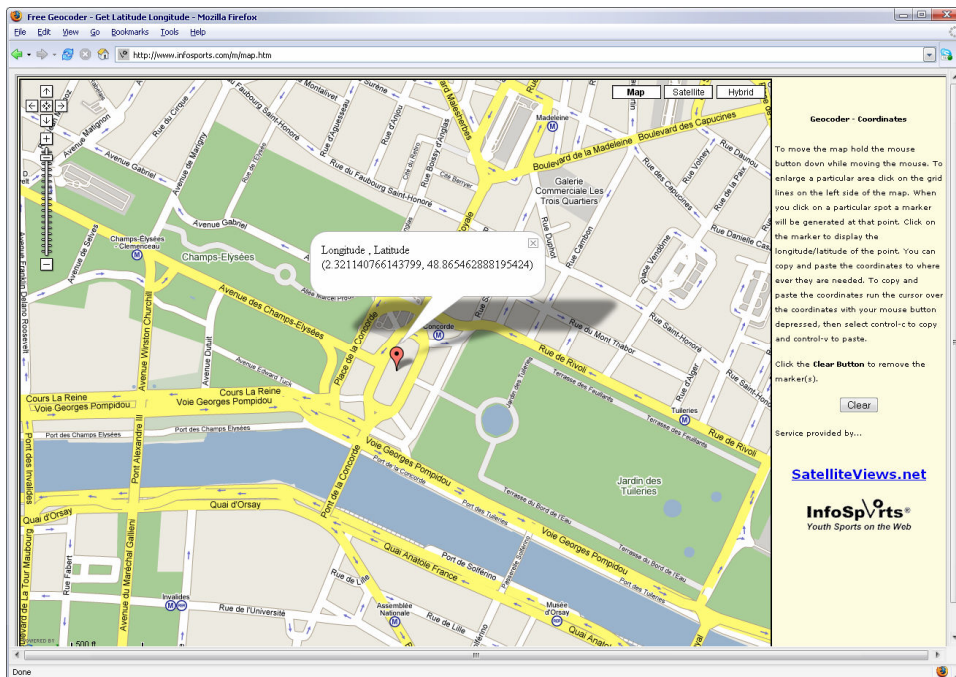
- To calibrate a map, you must add at least 2 calibration points.
- iPoint supports all maps including non-north oriented maps.
- Calibration points should be as far from each other as possible.
- Users can still add/edit Point-Of-Interests on non-calibrated maps. Please note - some features will be disabled on non-calibrated maps.

- Insert Map into iPoint. Select “Map” → “Insert Map...” command



# Calibrating Maps

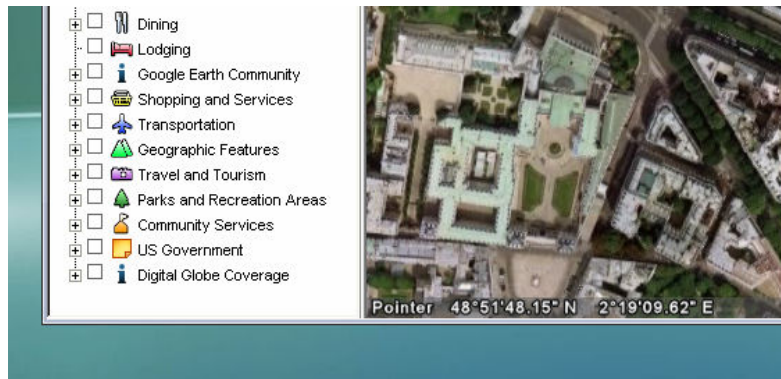
- Locate the latitudes and longitudes on web sites
  - <http://www.gorissen.info/Pierre/maps/googleMapLocationv3.php>
  - <http://www.infosports.com/m/map.htm>



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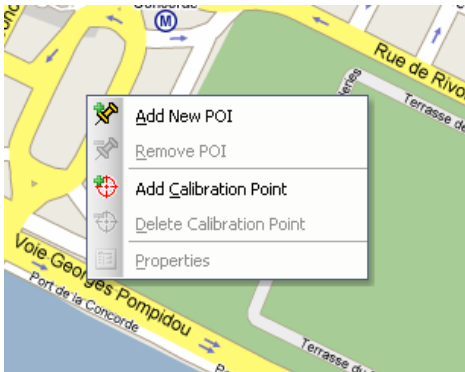
# Calibrating Maps

- Locate the latitudes and longitudes with Google Earth. You can easily find the latitude and longitude on the left-bottom corner of Google Earth.



# Calibrating Maps

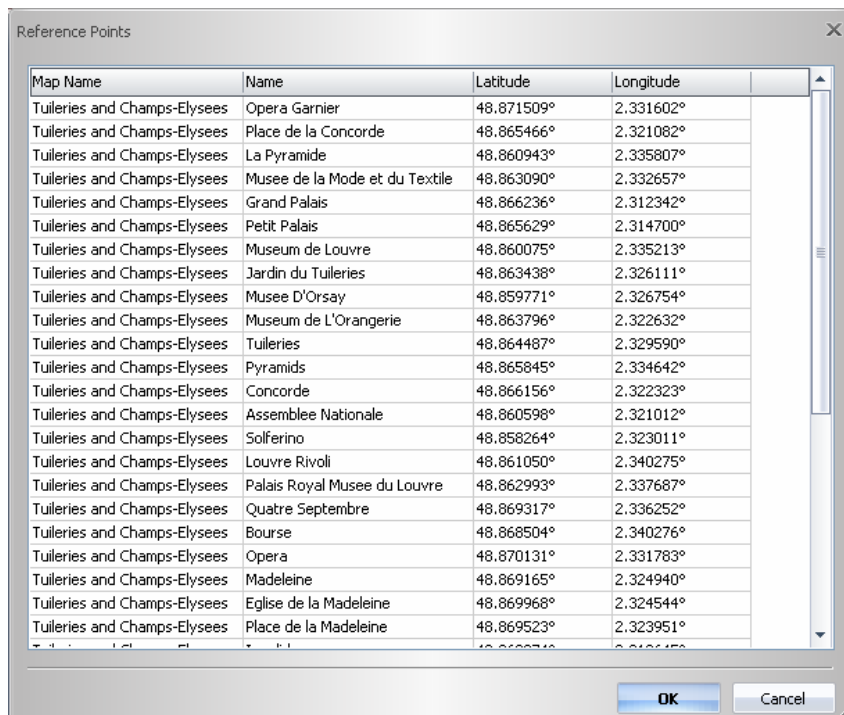
- Select a point and right click on the mouse. Select “Add Calibration Point” command.
- Fill in the point’s latitude and longitude.
- iPoint accepts formats like “48.865477” “48 51 55.7” “48.865477N”

A screenshot of a dialog box titled 'Calibration Point'. The dialog has a close button (X) in the top right corner. It contains the following fields and buttons:

- Name: Center of Place de la Concorde
- Physical Location section:
  - Latitude: 48.865477
  - Longitude: 2.321098
  - Browse... button
- Image Location section:
  - X-coord: 470
  - Y-coord: 312
- OK and Cancel buttons at the bottom.

# Calibrating Maps

- Click the “Browse” button to use the Latitude and Longitude values of the Point-Of-Interest on other maps.

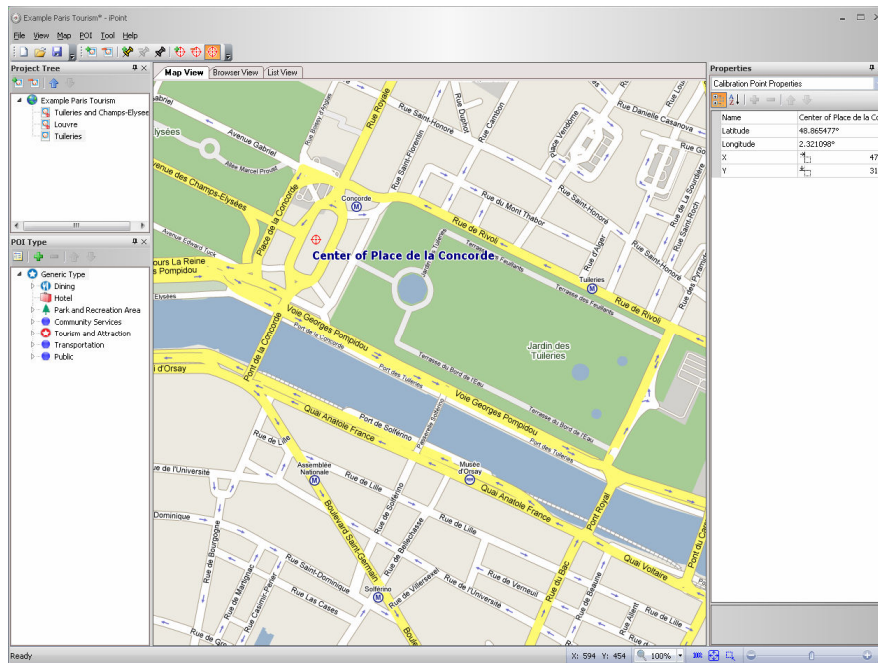


The image shows a dialog box titled "Reference Points" with a close button (X) in the top right corner. It contains a table with four columns: "Map Name", "Name", "Latitude", and "Longitude". The table lists various landmarks in Paris, such as the Opera Garnier, Place de la Concorde, and the Louvre, along with their respective latitude and longitude coordinates. At the bottom of the dialog box, there are "OK" and "Cancel" buttons.

Map Name	Name	Latitude	Longitude
Tuileries and Champs-Elysees	Opera Garnier	48.871509°	2.331602°
Tuileries and Champs-Elysees	Place de la Concorde	48.865466°	2.321082°
Tuileries and Champs-Elysees	La Pyramide	48.860943°	2.335807°
Tuileries and Champs-Elysees	Musee de la Mode et du Textile	48.863090°	2.332657°
Tuileries and Champs-Elysees	Grand Palais	48.866236°	2.312342°
Tuileries and Champs-Elysees	Petit Palais	48.865629°	2.314700°
Tuileries and Champs-Elysees	Museum de Louvre	48.860075°	2.335213°
Tuileries and Champs-Elysees	Jardin du Tuileries	48.863438°	2.326111°
Tuileries and Champs-Elysees	Musee D'Orsay	48.859771°	2.326754°
Tuileries and Champs-Elysees	Museum de L'Orangerie	48.863796°	2.322632°
Tuileries and Champs-Elysees	Tuileries	48.864487°	2.329590°
Tuileries and Champs-Elysees	Pyramids	48.865845°	2.334642°
Tuileries and Champs-Elysees	Concorde	48.866156°	2.322323°
Tuileries and Champs-Elysees	Assemblee Nationale	48.860598°	2.321012°
Tuileries and Champs-Elysees	Solferino	48.858264°	2.323011°
Tuileries and Champs-Elysees	Louvre Rivoli	48.861050°	2.340275°
Tuileries and Champs-Elysees	Palais Royal Musee du Louvre	48.862993°	2.337687°
Tuileries and Champs-Elysees	Quatre Septembre	48.869317°	2.336252°
Tuileries and Champs-Elysees	Bourse	48.868504°	2.340276°
Tuileries and Champs-Elysees	Opera	48.870131°	2.331783°
Tuileries and Champs-Elysees	Madeleine	48.869165°	2.324940°
Tuileries and Champs-Elysees	Eglise de la Madeleine	48.869968°	2.324544°
Tuileries and Champs-Elysees	Place de la Madeleine	48.869523°	2.323951°

# Calibrating Maps

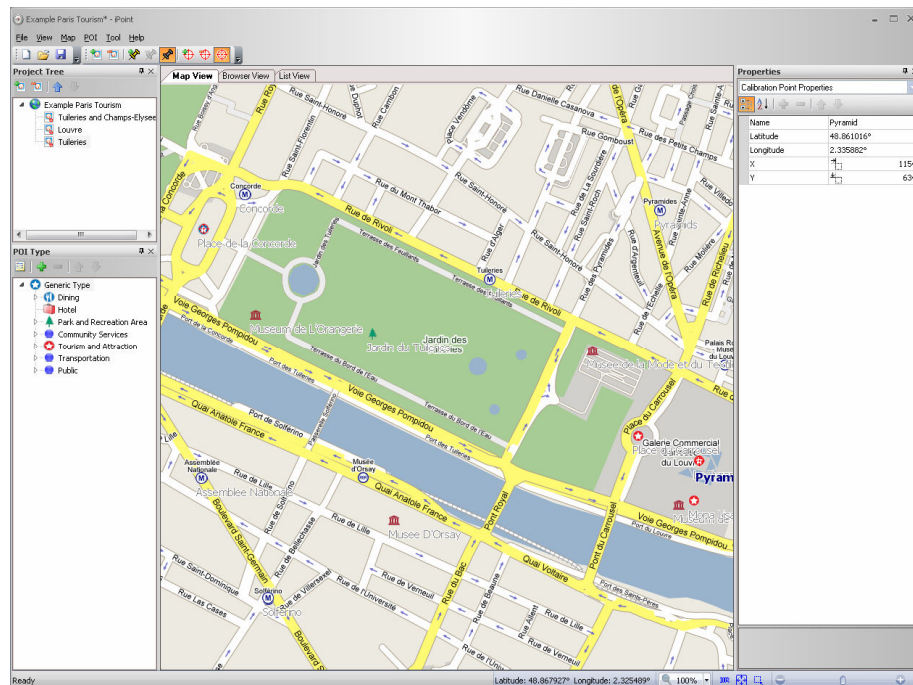
- Calibrating points will appear on the map with this icon. 





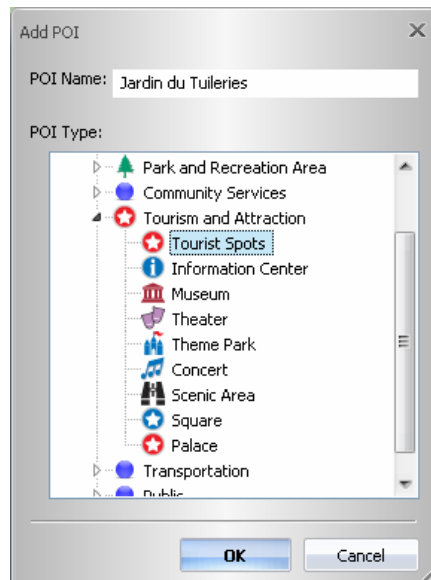
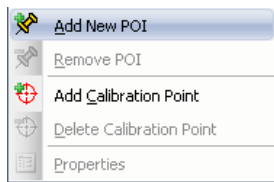
# Calibrating Maps

- If 2 (or more) calibration points are added, the map is calibrated. The Point-Of-Interests on the other maps will also show on this calibrated map if these two maps are overlapped.



# Adding Points-Of-Interest

- Select a point and right click on the mouse, select “Add New POI” command.
- Type in the POI name and select the POI type.



# Editing Points-Of-Interest

- Select the Point-Of-Interest, then edit the contents in the “Property Window”. The fields of the POI are defined in the Type definition window.

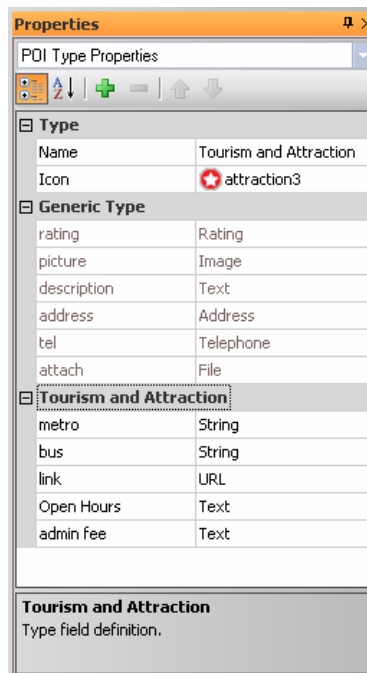
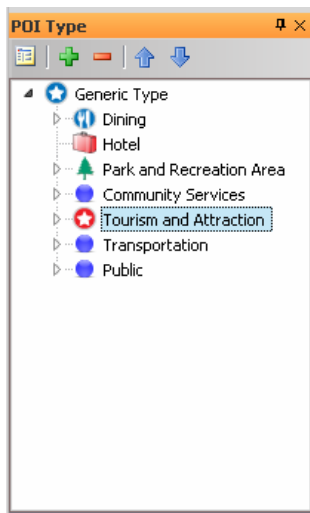
The screenshot shows a 'Properties' window with a title bar containing a maximize icon and a close button. Below the title bar is a dropdown menu labeled 'POI Properties'. Underneath are navigation icons: a list icon, a search icon, a zoom in icon, a zoom out icon, and a refresh icon. The main content area is divided into sections:

- Basic**: A table with fields 'Name' (Jardin du Tuileries), 'Type' (Park with a tree icon), and 'Map' (GLOBAL).
- POI Location**: A table with fields 'X' (1237), 'Y' (773), 'Latitude' (48.863377°), and 'Longitude' (2.326238°).
- Generic Type**: A table with fields 'rating' (4 stars and 'Good'), 'picture' (Tuileries\_02.jpg), 'description' (After the death of Henry II), 'address', 'tel', and 'attach'.

At the bottom of the window, there is a section labeled 'Generic Type' with the text 'Type field definition.'

# Type definition

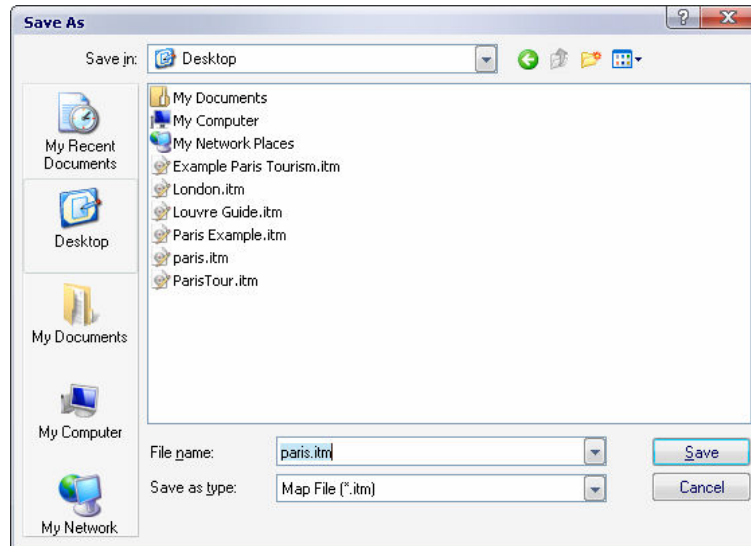
- Type definitions
  - Hierarchical type definition tree.
  - A type is defined by the following:
    - Name – type name
    - Icon – a 16x16 image. It will show on the map to represent the POI of this type.
    - Fields – To store the information. The POI of the type will contain the fields.
    - Parent Type – All the fields of the parent types will be inherited.
  - Select a type on “Type Window”, then edit the field in “Property Window”. The fields of parent type will also show on the “Property Window”, but users have to select the parent type to edit those fields.



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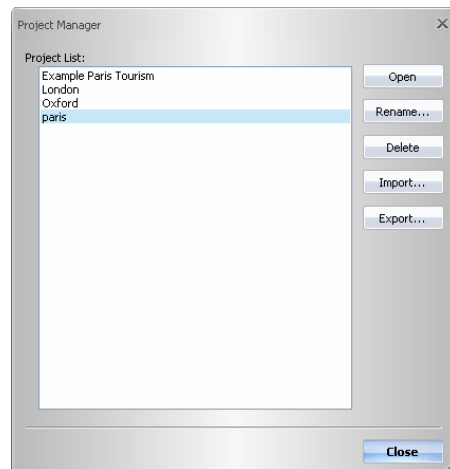
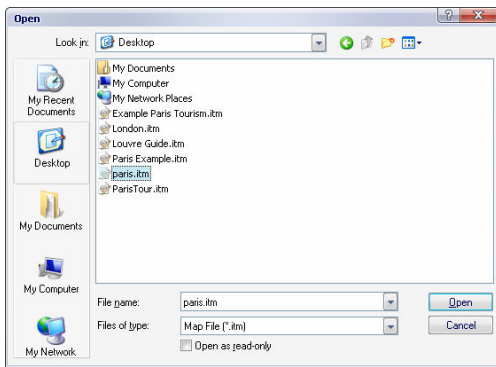
# Exporting a Project

- Select “File” → “Export Project...” command to export current project to an itm file.



# Importing a Project

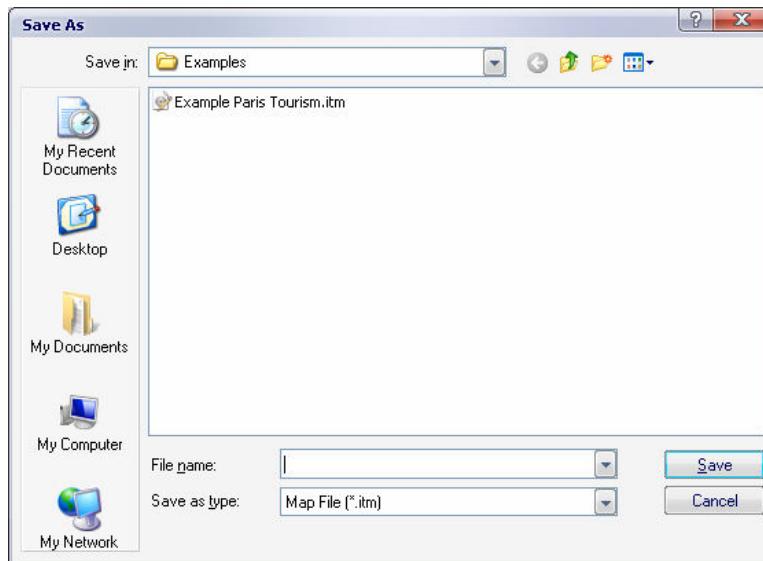
- Select “File” → “Import Project...” command.
- Select an **itm** file.
- The project will be added into “Project Manager Window”.
- Select “Open” to open the project.



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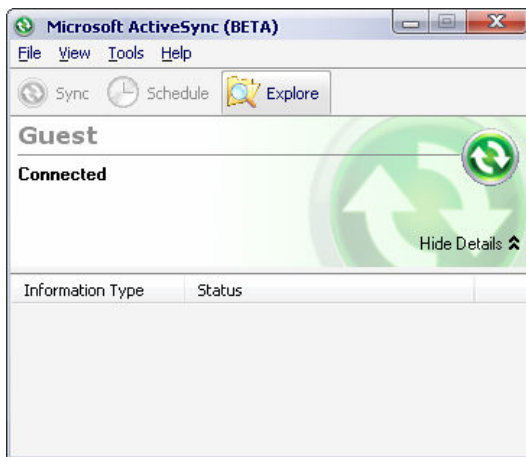
# How to Sync Projects from PC to Pocket PC

- Step 1 Export Project
  - Select “File” → “Export Project...” command.

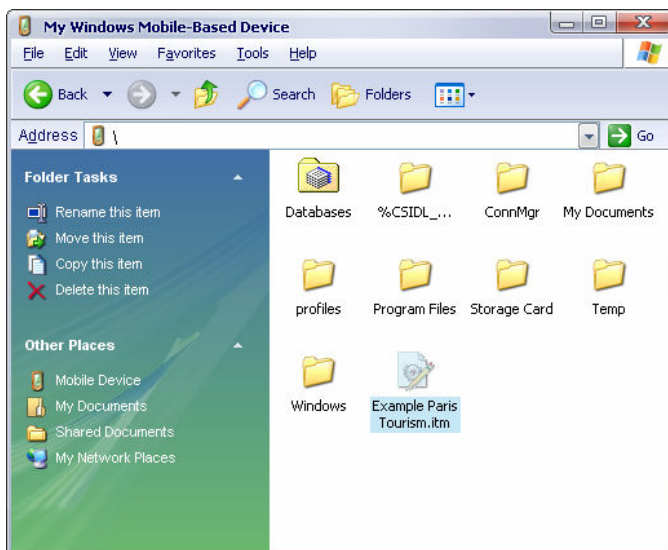


# How to Sync Projects from PC to Pocket PC

- Step 2 – Copy the itm file to Pocket PC
  - Connect the Pocket PC to your PC and click on the “Explore” button of Active Sync.
  - Copy the itm file to your Pocket PC. You can put it in any directory, including the external memory card.



Another way to copy the itm file to your Pocket PC is to use a memory card reader to copy the itm file to your Pocket PC external memory card.

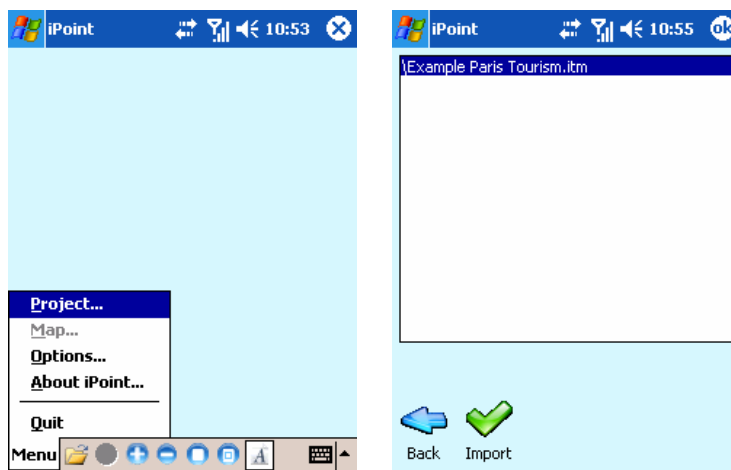




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# How to Sync Projects from PC to Pocket PC

- Step 3 – Import Project on Pocket PC
  - Run iPoint Pocket PC version
  - Select “Menu” → “Project” command
  - Select “Import” command
  - The import project window will list all itm files on your Device. Select the itm file, then select the “Import” button.

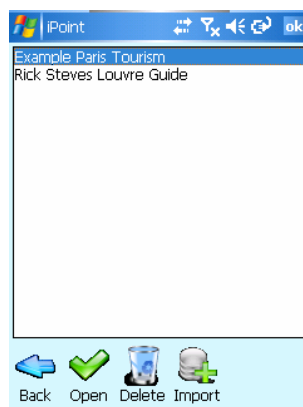


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# Project Manager

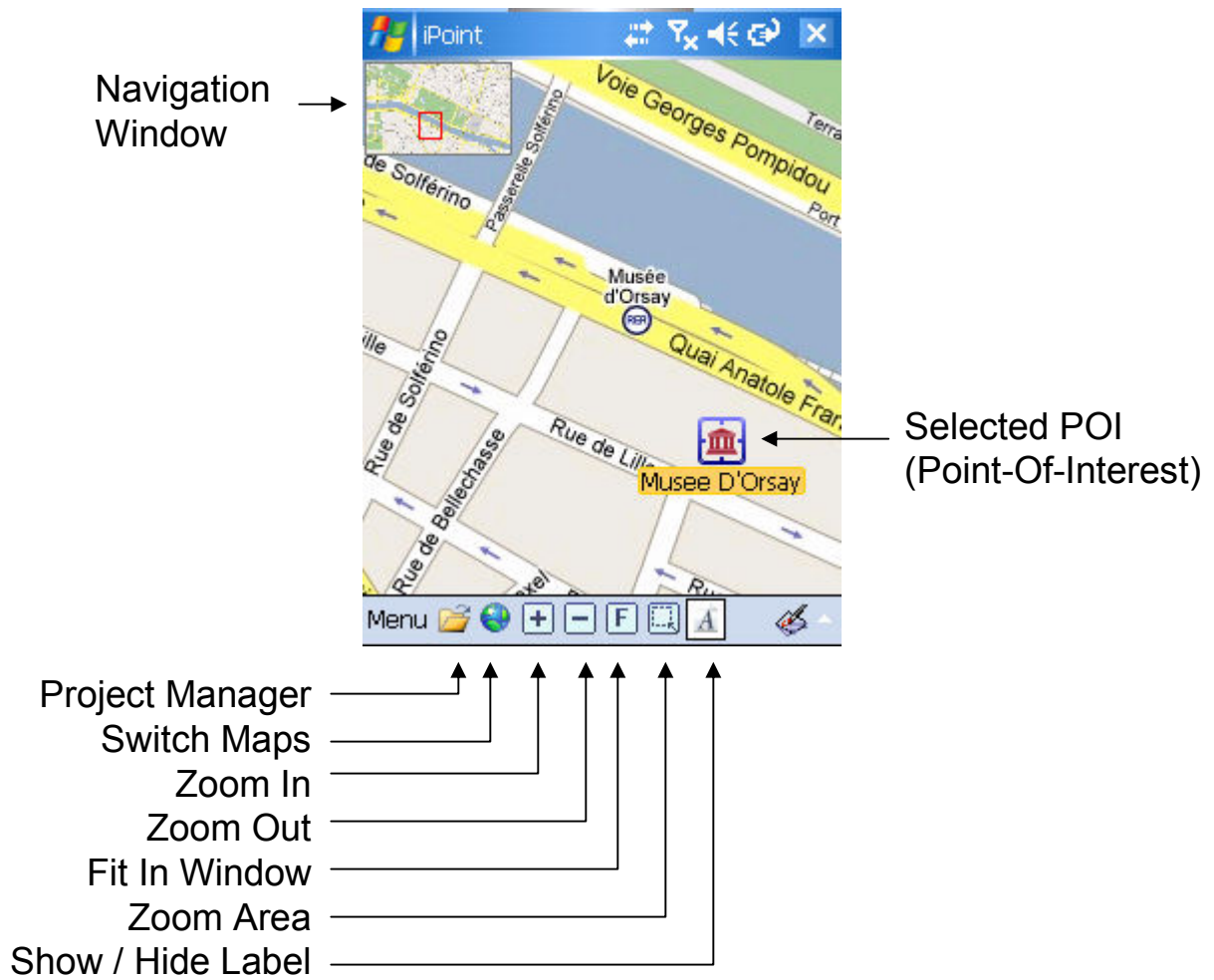
## Pocket PC

- Select “Menu” → “Project” command to open “Project Manager”.
- Users can “Open” a project, “Delete” a project, or “Import” a project from an itm file.



# Map View

## Pocket PC

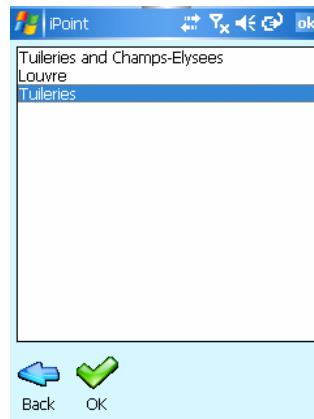


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# Switch Maps

## Pocket PC

- Select “Menu” → “Map” command.
- All the maps will show in the window.
- Select any one of them, then click the “OK” button to view.

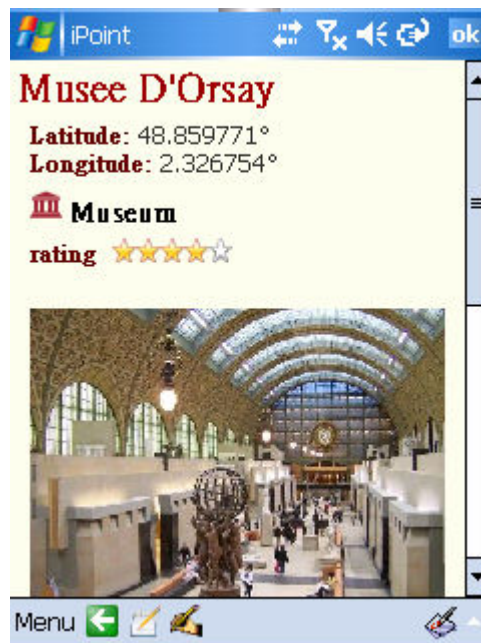


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# Point-Of-Interest Window

## Pocket PC

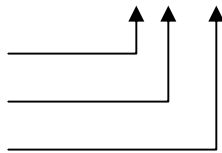
- Clicking on any Point-Of-Interest will open that Point-Of-Interest window.



Close Window

Edit

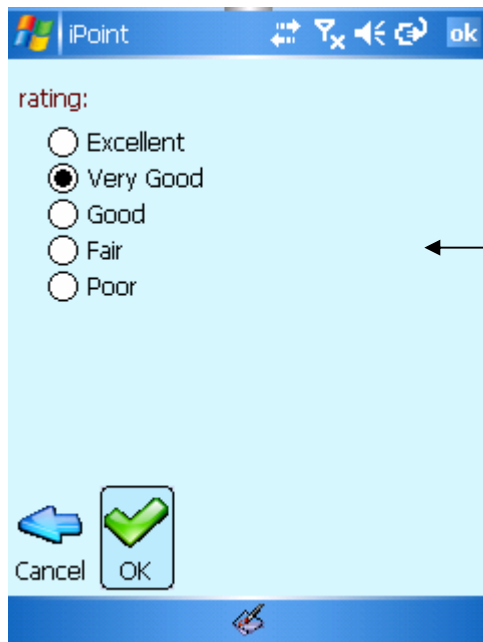
Insert Note



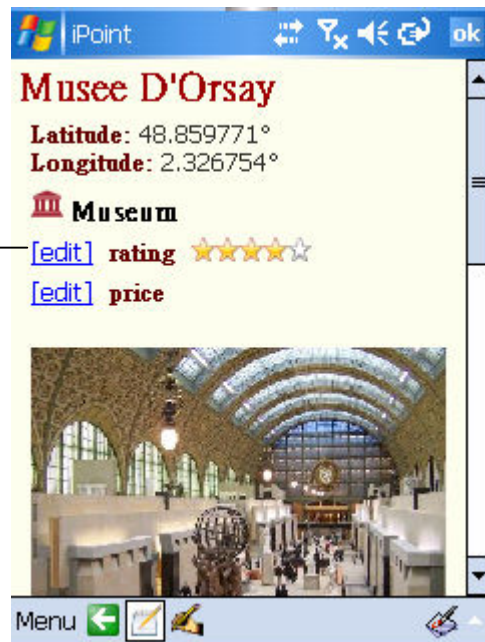
# Edit Point-Of-Interest

## Pocket PC

- Select “menu” → “Edit” command.
- Click on “edit” to edit the field.

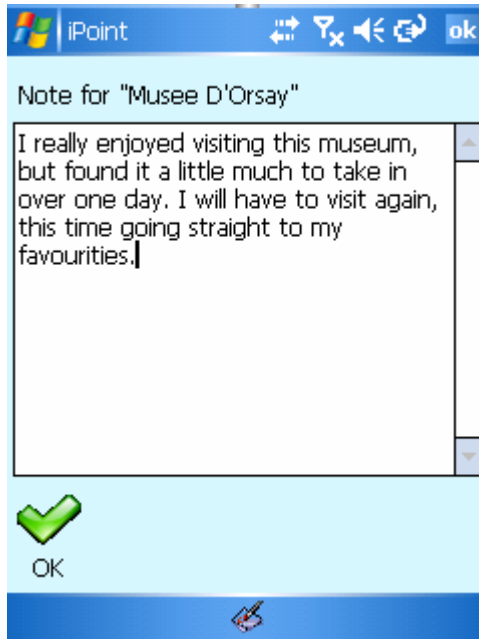


Click to Edit



# Adding Notes to Points-Of-Interest

- Click on the icon 
- The Note will show in the last field of the Point-Of-Interest Window.



Selecting "menu" →  
"Note Summary" on  
Map View Window  
will open Note Summary  
Window.

