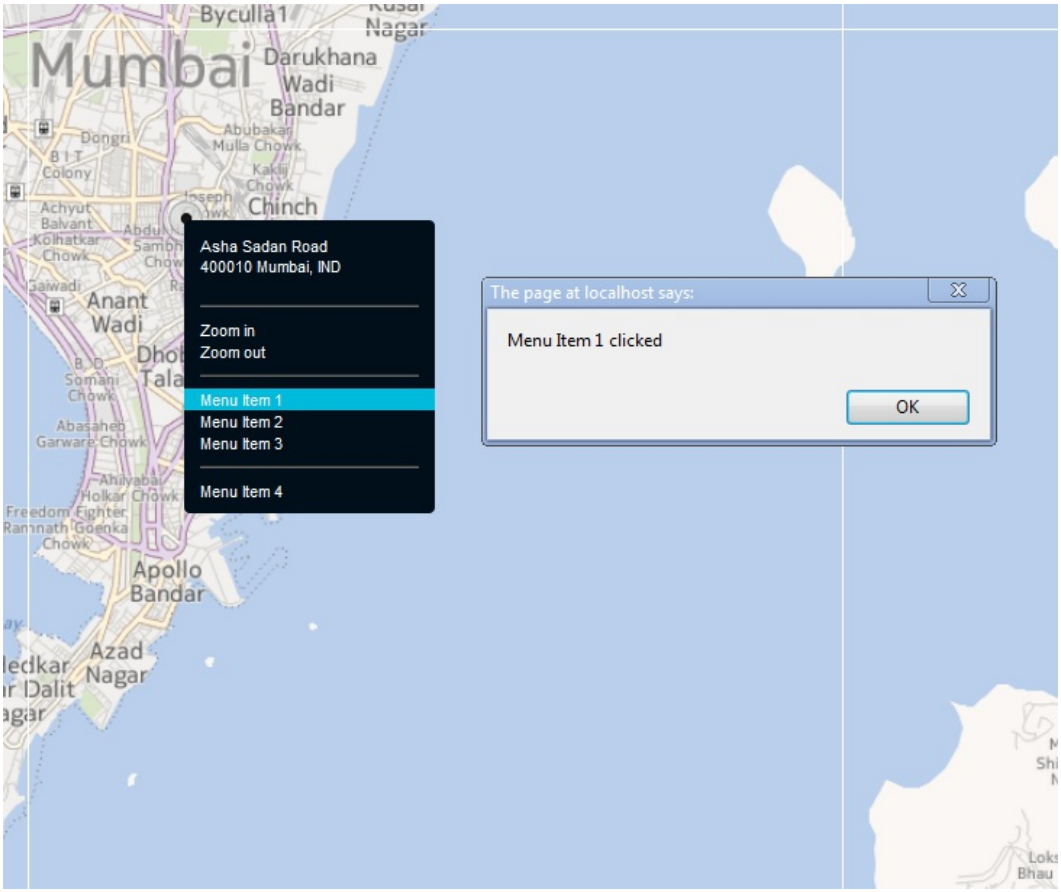
HERE Maps API - How to create a Context Menu

This article explains how to add context menus to HERE Maps and how to customise them.



Context menus are used to display relevant information and options to the user on right-click:

Introduction

Context menus are useful because they can be customised to display items that are not present by default, and provide the user with added functionality. They are instantiated as follows:

```
var contextMenu = new nokia.maps.map.component.ContextMenu();
```

Prerequisites

HERE Maps API supported web browser (basically any modern web browser)

Important note about maps credentials

Nokia provides several services options within the Maps API offering. The service is free to use, but you must obtain and use authentication and authorization credentials to use the services. Please read the Terms and Conditions and check the Pricing Plans page to decide which business model best fits your needs. Authentication requires unique Maps API credentials, namely an AppId and a token. You can get these credentials free for free following the instructions here

Code Commentary

Context menu divisions are added to the context menu with the following syntax

```
var menuItems1 = function(contextMenuEvent, group) {
    group.addEntry("Menu Item 1",
     function(activationEvent) {alert("Menu Item 1 clicked");});
    group.addEntry("Menu Item 2",
     function(activationEvent) {alert("Menu Item 2 clicked");});
    group.addEntry("Menu Item 3",
```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```
      function(activationEvent) {alert("Menu Item 3 clicked");});
contextMenu.addHandler(menuItems1);
```

The `addHandler()` function takes as a parameter a function which by default creates a new context menu division, in this case adding three new items to the new division.

```
contextMenu.removeHandler(handler);
```

The `removeHandler()` method removes a whole context menu division and all items within it.

Example code

The example displays a context menu when the map is right clicked, Further `alerts()` are displayed when the menu items are clicked. Remember to add in your own AppId and Token.

```
function createContextMenu(map){
 contextMenu = new nokia.maps.map.component.ContextMenu();

 /* Add Custom Context Menu Items */

 //This adds three items with a menu separator
 menuItems1 = function(contextMenuEvent, group) {
  group.addEntry("Menu Item 1",
   function(activationEvent) {alert("Menu Item 1 clicked");});
  group.addEntry("Menu Item 2",
   function(activationEvent) {alert("Menu Item 2 clicked");});
  group.addEntry("Menu Item 3",
   function(activationEvent) {alert("Menu Item 3 clicked");});
 }
 //This adds one item with a menu separator
 menuItems2 = function(contextMenuEvent, group) {
  group.addEntry("Menu Item 4",
   function(activationEvent) {alert("Menu Item 4 clicked");});
 }

 //Two extra items added with a menu separator when Add/Remove button clicked
 extraMenuItems = function(contextMenuEvent,group){
  group.addEntry("Menu Item 5",
    function(activationEvent) {alert("Menu Item 5 clicked");});
  group.addEntry("Menu Item 6",
    function(activationEvent) {alert("Menu Item 6 clicked");});
 }

 contextMenu.addHandler(menuItems1);
 contextMenu.addHandler(menuItems2);
 map.components.add(contextMenu);
}
```

```
function addRemoveGroup(handler){
 if (isAdded == false){
  contextMenu.addHandler(handler);
  $('#addRemove').prop('value','Remove Menu Items');
   isAdded = true;
 } else {
  contextMenu.removeHandler(handler);
  $('#addRemove').prop('value','Add Menu Items');
  isAdded = false;
 }
}
```

A working example can be found at:

http://rawgithub.com/heremaps/examples/master/maps_api_for_javascript/advanced-examples/context-menu.html

For more on the HERE Maps API

Please check out the HERE Maps API full documentation and API reference here:

- HERE Maps API

You may also access the interactive API explorer

- API explorer

Tested with

- Google Chrome 11.0x
- Mozilla Firefox 5.0b

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