AwesomeEnterpiseApp Data Input

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# Introduction

The following chapters contain information on the APIs used as input for the app. They are actually XML files. The appendices give details of the XML. Subway Entrances are not necessary for the first iteration, but is there as an option for future development.

# Filming Locations in New York API

The information for Filming Scenes and Locations from New York is available on the NYC Open Data site, on the following URL

https://nycopendata.socrata.com/Business-and-Economic/Filming-Locations-Scenes-from-the-City-/qb3k-n8mm

Or enter the NYC Open Data site and search for filming locations.

From the site press the XML file button. The XML file is Interactive\_Map\_Data.xml. Assumed is XML

reading functionality in the .Net Framework. The structure of the XML file is given in Appendix A.

# Downtown Restaurants in New York API

The information on Downtown Restaurants in New York is available on the NYC Open Data site, on the following URL

https://nycopendata.socrata.com/Business-and-Economic/Downtown-restaurants/incp-bqzd

Or enter the NYC Open Data Site and search for restaurants.

On this site press the Export button and choose XML. The structure of the XML file is given in Appendix B.

NB location information is given as a postal address and would need to be converted to latitude,

and longitude. Also all restaurants are listed not just those which provide an a-la-carte menu

(full service dining).

# Subway Entrances in New York API

The information on Subway Entrances in New York is available on the NYC Open Data site, on the following URL:

https://nycopendata.socrata.com/Transportation/Subway-Entrances/drex-xx56

Or enter the NYC Open Data Site and search for subway entrances. On this site press the Export button and choose XML. The structure of the XML file is given in Appendix C.

# Google Maps API

Google Maps API is available on JavaScript at https://developers.google.com/maps/documentation/javascript/tutorial with complete details of getting started with complete Google Maps functionality. ASP.Net supports unobtrusive javascript as detailed at http://www.asp.net/mvc/mvc3.

The following javascript code instructs the application to load the Maps API after the page has fully loaded (using window.onload) and write the Maps JavaScript API into a <script> tag within the page. Additionally, we instruct the API to only execute the initialize() function after the API has fully loaded by passing callback=initialize to the Maps API bootstrap:

function initialize()

{ var myOptions =

{ zoom: 8,

center: new google.maps.LatLng(-34.397, 150.644),

mapTypeId: google.maps.MapTypeId.ROADMAP

}

var map = new google.maps.Map(document.getElementById("map\_canvas"), myOptions);

}

function loadScript()

{ var script = document.createElement("script");

script.type = "text/javascript";

script.src = "http://maps.googleapis.com/maps/api/js?key=YOUR\_API\_KEY&sensor=TRUE\_OR\_FALSE&callback=initialize";

document.body.appendChild(script);

}

window.onload = loadScript;

# Appendix A - Filming Locations XML Data Structure.

<Workbook>

<DocumentProperties>

...

</DocumentProperties>

<OfficeDocumentSettings>

...

</OfficeDocumentSettings>

<ExcelWorkbook>

...

</ExcelWorkbook>

<Styles>

...

</Styles>

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<Column>

...

</Column>

<Row>

...

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<Cell ss:StyleID="s31"/>

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<Cell ss:StyleID="s31"/>

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ss:Name="\_FilterDatabase"/></Cell>

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<Cell ss:StyleID="s49"><Data ss:Type="String">LONGITUDE</Data><NamedCell

ss:Name="\_FilterDatabase"/></Cell>

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ss:Name="\_FilterDatabase"/></Cell>

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ss:Name="\_FilterDatabase"/></Cell>

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ss:Name="\_FilterDatabase"/></Cell>

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ss:Name="\_FilterDatabase"/></Cell>

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...

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ss:Name="\_FilterDatabase"/></Cell>

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ss:Name="\_FilterDatabase"/></Cell>

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ss:Name="\_FilterDatabase"/></Cell>

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<Cell ss:StyleID="s43"><Data ss:Type="String">N</Data><NamedCell

ss:Name="\_FilterDatabase"/></Cell>

</Row>

...

# Appendix B - XML format of Downtown Restaurants

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\_address="http://nycopendata.socrata.com/views/incp-bqzd/rows/1">

<cnbio\_org\_name>CnBio\_Org\_Name</cnbio\_org\_name>

<cnadrprf\_addrline1>CnAdrPrf\_Addrline1</cnadrprf\_addrline1>

<cnadrprf\_addrline2>CnAdrPrf\_Addrline2</cnadrprf\_addrline2>

<cnadrprf\_city>CnAdrPrf\_City</cnadrprf\_city>

<cnadrprf\_state>CnAdrPrf\_State</cnadrprf\_state>

<block\_lot>Block-Lot</block\_lot>

<primary>Primary</primary>

<secondary>Secondary</secondary>

</row>

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<cnbio\_org\_name>Starbucks Coffee</cnbio\_org\_name>

<cnadrprf\_addrline1>3 New York Plaza</cnadrprf\_addrline1>

<cnadrprf\_city>New York</cnadrprf\_city>

<cnadrprf\_state>NY</cnadrprf\_state>

<cnadrprf\_zip>10004</cnadrprf\_zip>

<block\_lot>8-32</block\_lot>

<primary>Casual Eating &amp; Takeout</primary>

<secondary>F-Coffeehouse</secondary>

</row>

<row>

...

# Appendix C - XML format of NYC Subway Entrances

<response>

<row>

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<geometry>

<point>

<item>-73.9902719989999</item>

<item>40.68672833100004</item>

</point>

</geometry>

</shape>

<name>Smith St &amp; Bergen St At Ne Corner (To Manhattan And Queens Only)</name>

<url>http://www.mta.info/nyct/service/</url>

<line>F-G</line>

</row>

...