

GEOG3600. Geographical Information Systems

Lab 1. On-line GIS Applications

Objectives

This exercise is designed to introduce a case of GIS application that does not require GIS software for the user. Today GIS applications have become so common in our daily life that in many cases we do not even know that we are using GIS for acquiring spatial information. The objective of this laboratory exercise, therefore, is to demonstrate such a case and to allow student undertake some simple GIS query.

Scenario One

This exercise is based on Hong Kong Yellow Page Map on-line geographical information site that was jointly developed by Land Department of Hong Kong SAR government, PCCW and ESRI Hong Kong.

Logon to Yellow Page Map

Use an Internet browser (e.g. Internet Explorer or Netscape) to connect the website <http://www.yppmap.com/eng>.

One of your friends lives in Tuen Mun, you want to visit him in this Saturday.

1. Your friend lives in a building named "Kam Hing Building". You don't know where it is and of course you don't know how to reach there. Please find out this building in the online map and list its address below:
2. If you go there by LRT (Light Rail Transit), which station should you get off the train?
3. Your friend and you want to watch movies after you meet at his home. Please find out the nearest cinema and its telephone number so you can reserve tickets before.

4. After the movies, you want to drive with you friend to Tsuen Wan for dinner. Please check the traffic condition of Tuen Mun Highway by obtaining a real time traffic image of Tuen Mun Highway Siu Lam Section.

(Hint: you may save the image by right-clicking on the image, then choose "save image as...." (另存圖片....))

5. Your friend wants to have western-style dinner in Tsuen Wan, please make two suggestions and list the restaurants' names and addresses.

6. Finally, you go back home. You expect that your car will run out of petrol near Lai Chi Kok MTR station. Please print out the map that shows the locations of petrol stations near Lai Chi Kok MTR station.

Scenario Two

This exercise is based on Centamap website (<http://www.centamap.com/cent/index.htm>) developed by Centaline Property Agency.

You want to move to Tsuen Wan and tried to seek a flat in a private estate named Discovery Park.

1. Please check whether there is any property available in this estate, list its/their name(s) and license number.

2. Discovery Park consists of 12 blocks and was constructed in different phase. Please check the completion year of each phase. (Hint: you should go to zoom level 1 to get your result)

3. You want to buy a flat in the newest phase. Please check and list the details of the latest secondary property sales records so that you can set your budget accordingly.

4. You have a child who will enter primary school soon. Please check the number of the school net that Discovery Park belongs to, and list all primary schools that belong to this school net. (Hint: you should go to zoom level 4 to get your results)

5. You are concerning about a new private development near Discovery Park and Tusen King Garden, which may influence the potential price of nearby properties.

Please obtain the following information regards to this development:

- Its name (English and Chinese):
- Number of flats:
- Estimated completion year:
- Name of the developer:

(hint: you should go to zoom level 6 to get your results)

6. You are also concerning about the surrounding environment of your new home. One major development project nearby is the Tsuen Wan Bay Reclamation. Please go to an appropriate government website to obtain the background of this project, and also get an image shows the extent of the reclamation. (Hint: you may find the link by clicking on the project icon on the appropriate map layer)