**GEG585 Assignment 1**

**Ran Ning**

**Three web sites that incorporate maps**

1. **Zillow**

**Site address:**

<https://www.zillow.com>

**Purpose of the web site:**

This a web site for buying, selling or renting houses for user in U.S.

**Purpose of the map:**

The map in the web page is going to help user find the expect location or range. Furthermore, user can see the place, facilities around the house very clearly. Such as grocery, shopping mall, school or hospital and so on.

**Functionality of the map:**

The map is interactive. A brief amount and house type information is displayed when the mouse hovers over the point which represents a house on the map. Users will see the exterior of the house and many details inside by clicking the point.

**Data (spatial and attribute):**

In this map, the only spatial data that user can see is the address of the houses. An example is 24 Rees St, Buffalo, NY 14213.

1. **Aporee.org**

**Site address:**

<https://aporee.org/maps/>

**Purpose of the web site:**

Users can listen variety of sounds from around the world. There are many people who like sleep-aiding noises, such as the sound of rain.

**Purpose of the map:**

There are many circles on the map. Users can click on a circle which appear on the area you want to listen to. The sound is recorded locally by other users. Users can search a place or a type of sounds on the map.

**Functionality of the map:**

Each circle on the map has a number in it, which means there how many pieces of sounds at that area. It will show you the details of the sounds when the mouse hovers over the circle, such as the address, description and duration of the recording. There are three buttons on the detail box. They provide the functions of adding records, sharing and open geo mixer. And also to control the records keep playing or pause. You can even see the real view of each place on the map.

**Data (spatial and attribute):**

This map is really similar with Google map. It has the name of streets, buildings and also has figure legend on it. The legend shown as integer values. The date of uploading the records.

1. **Nuclearsecrecy**

**Site address:**

<https://nuclearsecrecy.com/nukemap/>

**Purpose of the web site:**

This web site is going to let people know the destructive nature of nuclear explosions. And to achieve the propaganda purpose of opposing the war.

**Purpose of the map:**

Users can select a location on the map, and choose a kind of nuclear bomb. Users can also customize the explosion height. It will show us the count of casualties and dust.

**Functionality of the map:**

The interactive map will show many circles after clicking the “Detonate” button. The circle centered on the center of the nuclear explosion represents the various effects caused by the explosion. These effects are shown in the bar on the right side of the page. The circles in the map are highlighted when the mouse is hovered over.

**Data (spatial and attribute):**

Fireball radius, Heavy blast damage radius, Radiation radius and many other information will contain the distance and area in kilometers and square kilometers. At the mean time, it will show us the integer number of casualties and decimal number of the height and diameter of the mushroom cloud.

1. **Woodbury Common Outlet**

**Site address:**

<https://www.premiumoutlets.com/outlet/woodbury-common/map#/>

(Since the maps in web sites above a little similar, so I find one more type of map here.)

**Purpose of the web site:**

This website of Woodbury Common Outlet shopping mall. It’s a guide map for customers.

**Purpose of the map:**

The map shows the whole view of the shopping mall with the brand name on each location. Also provides customers a direction and some information of the stores and parking lots.

**Functionality of the map:**

When user click the store on the map, there is a bar that showed on the left of the page. The bar contains search box, brand name, Telephone number and some other information. And there also shows the categories of the brands. It can help customers to find what products they want very quickly.

**Data (spatial and attribute):**

I think it is necessary to use the size of the stores to build the map. It will help the map zoom in and out to the actual scale. And we can see some famous or popular stores are in black color in the map. The background color should be the attribute data we need to use.