Assignment 7

I understand that for Assignment 7 we are to utilize the apis that will allow us to access geonames datasources.

I have attempted to write a Java program based upon an assignment I found here at Github but I could not get the original program to run, so I could not adapt it.

But I didn’t want you to think that I didn’t consider this assignment, or put any effort into this assignment so I am reporting on my experience here.

My attempt was to use java jar file of org.geonames to access postalcodes, and once I got the postal codes I just wanted to access web services and get nearby postal codes, however I received the same error repeatedly that is:

Exception in thread "main" java.lang.NoClassDefFoundError: org/jdom/input/SAXBuilder

at org.geonames.WebService.connectAndParse(Unknown Source)

at org.geonames.WebService.findNearbyPostalCodes(Unknown Source)

at PostalCodeTest.main(PostalCodeTest.java:43)

Caused by: java.lang.ClassNotFoundException: org.jdom.input.SAXBuilder

at java.net.URLClassLoader$1.run(Unknown Source)

at java.net.URLClassLoader$1.run(Unknown Source)

at java.security.AccessController.doPrivileged(Native Method)

at java.net.URLClassLoader.findClass(Unknown Source)

at java.lang.ClassLoader.loadClass(Unknown Source)

at sun.misc.Launcher$AppClassLoader.loadClass(Unknown Source)

at java.lang.ClassLoader.loadClass(Unknown Source)

Now I know you would have preferred to see something other than my failure to get the project running but I would like to stress that in my professional life I have built apps that consumed web services and I have built web services all in C#, but since you specifically request Java and I am less than a novice with Java this is all that I have been able to accomplish.

Overall I became more familiar with Eclipse, and I had a semester working with Java but I do not think I had enough exposure to Java to successfully complete this assignment.

Since I could not in good conscious ignore this assignment, I just want to indicate that several hours of effort went into this.

The Code I adapted is below, the highlighted line is throwing the error (I have JDK 1.7.0 installed):

**import** java.util.List;

**import** javax.swing.JOptionPane;

**import** org.geonames.PostalCodeSearchCriteria;

**import** org.geonames.InvalidParameterException;

**import** org.geonames.PostalCode;

**import** org.geonames.WebService;

**public** **class** PostalCodeTest

{

**public** **static** **void** main(String[] args)

{

// Request username

String user = JOptionPane.*showInputDialog*("Enter username");

// Populate username based on input

WebService.*setUserName*(user);

PostalCodeSearchCriteria searchCriteria = **new** PostalCodeSearchCriteria();

// Request postalcode and set postalcode as searchCriteria

String postalCode = JOptionPane.*showInputDialog*("Enter your zip code");

searchCriteria.setPostalCode(postalCode);

**try** {

// Set country code as searchCrtieria

String countryCode = "US";

searchCriteria.setCountryCode(countryCode);

} **catch** (InvalidParameterException e1) {

// **TODO** Auto-generated catch block

e1.printStackTrace();

}

**try** {

// Use search criteria to obtain nearest latitude and longitude of postal code

List<PostalCode> searchResult = WebService.*findNearbyPostalCodes*(searchCriteria);

} **catch** (Exception e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}//end try

}//end main

}//end class

Although I am unhappy about not being able to produce a working project, I do believe I got the point of the assignment which is the ability to access data via a web service.