**SpidaWeb Application Process**

James M. Brewer 2013.12.12

# Purpose:

The Purpose of this document is to detail the SpidaWeb application utility that I have created.

# Language:

This was done in java using simple class structures and generating output to the System.out. The IDE that was used is Eclips.

# Source Code:

[*https://github.com/DocSinister/SpidaWebAppTest/tree/master/src/SpidaWeb*](https://github.com/DocSinister/SpidaWebAppTest/tree/master/src/SpidaWeb)

# Classes:

SidaWebApplication.java – This class is the main driver for the application. It is responsible to instantiating the various classes used in generating the application data as well as dumping all of the output to the standard system out. The output that is generated is as follows:

**A list of available jobs:**

Position: developer:

Description: we need someone who can write elegant, well tested code.

ID: 5258454d3c32a9e7b1000001

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**A record of the Application pulled from the SpidaWeb api.**

Applicaion Id: 52a9c44e3e2607390c000017

Name: James (Mike) Brewer:

Job Id: 5258454d3c32a9e7b1000001

Why Hire: Logic is the key to developing any sort of application, be it a thin client for the web, or a fat client run from someones desk top. I have several decades worth of experience is creating these types of applications and have a solid understanding of the logic required to program in just about any language out there. Syntax is relevant only to a given language; Logic, on the other hand, is global. I promise that if you give me a chance, you will not be disappointed!

Source Code: https://github.com/DocSinister/SpidaWebAppTest/tree/master/src/SpidaWeb

Jobs.Java – This class receives a URL at instantiation which it uses to immediately establish a connection to the SpidaWeb api, get a list of available jobs, and store that list in a member variable.

Application.java – This class is used to generate the application JsonObject. It is also responsible for posting the application to the SpidaWeb api and retrieving the application “\_id” which it then stores in a member variable. This class also generates some output,

**A successful post message:**

Your applicaiton has been posted. Applicaiton Id: 52a9c44e3e2607390c000017

# Unit Tests:

TestJobsClass – This tests the Jobs.java class by instantiating a Jobs.java object and checking to see that it successfully returns both a JsonObject and a JsonArray.

TestApplicationClass – This test the Application.java class by instantiating the object, then passing data to the member variables and retrieving them in turn.