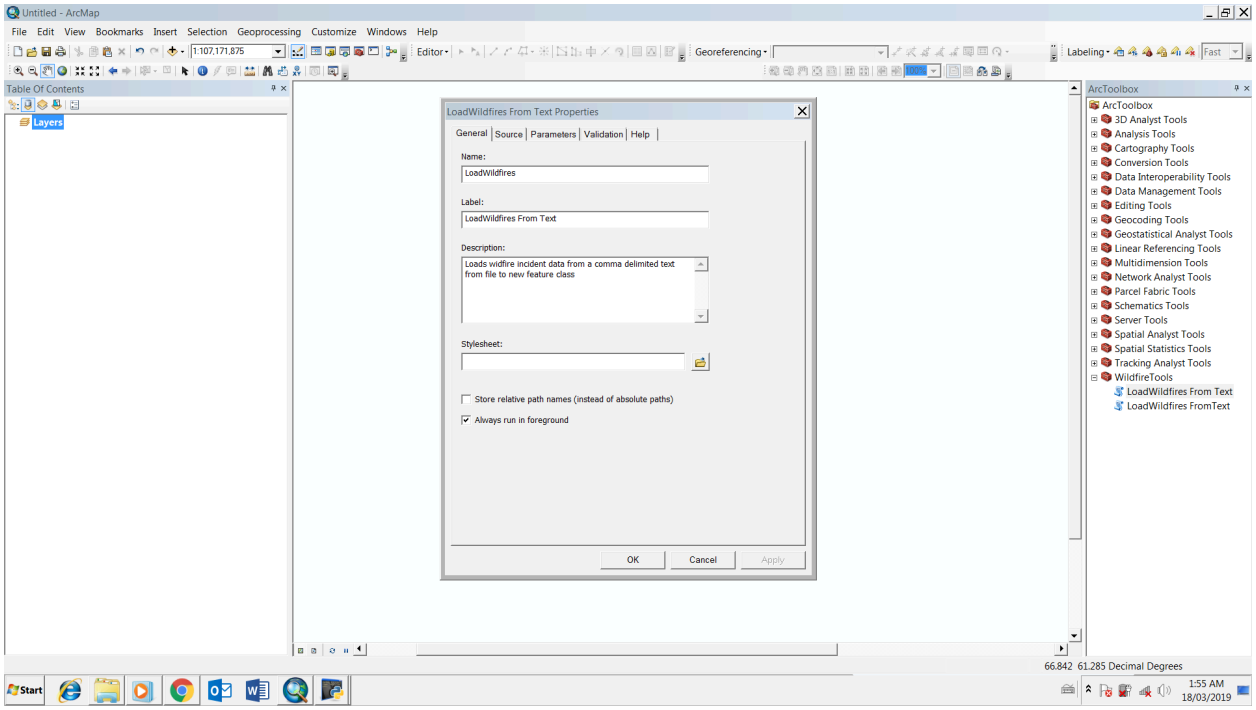
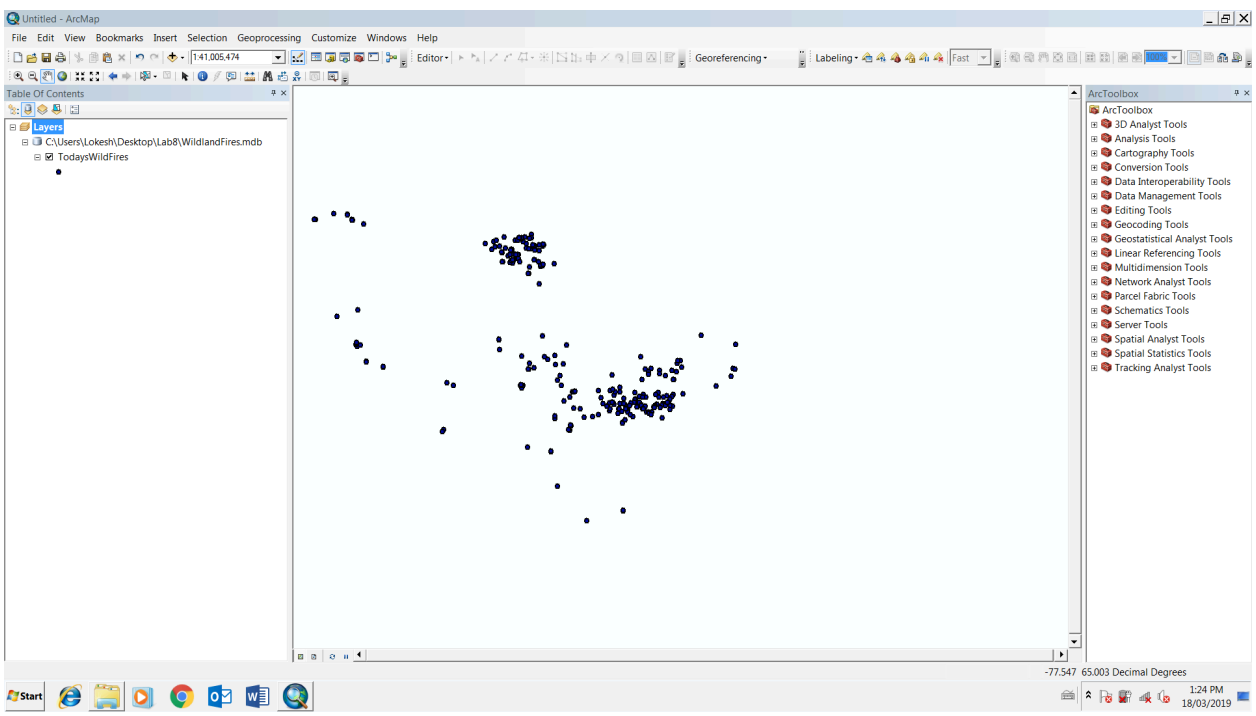
LAB 8

Deliverable 1 :

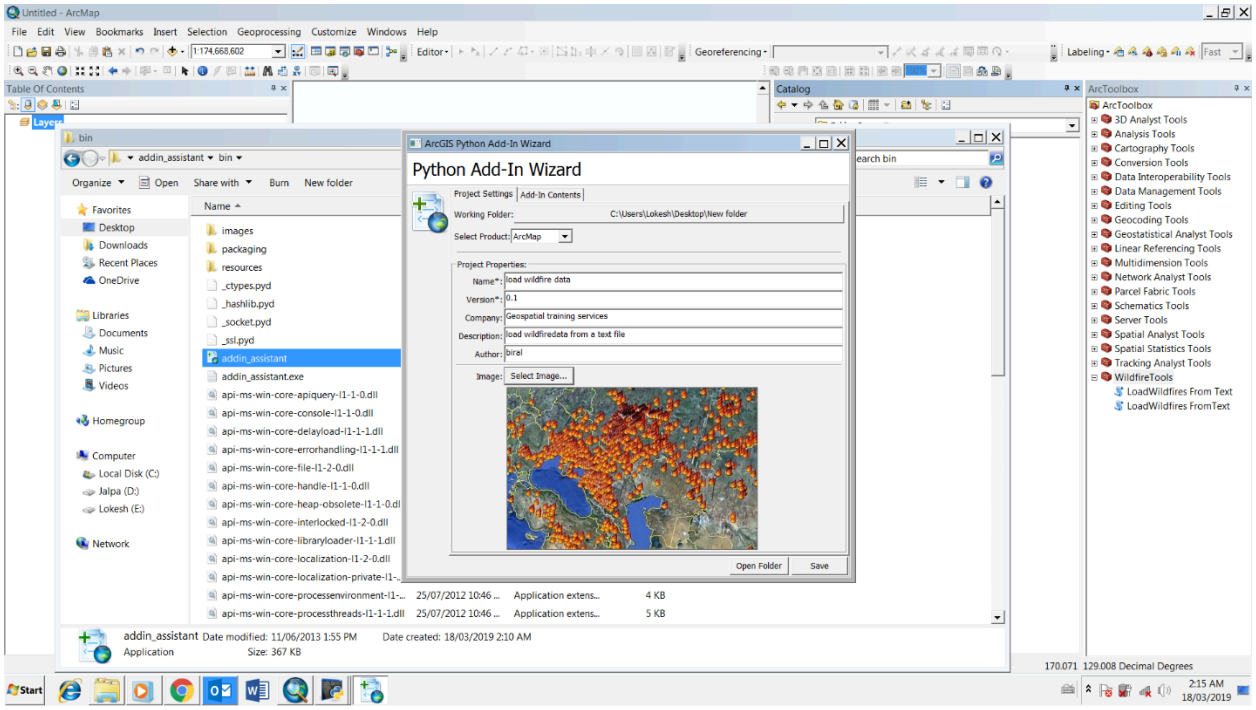


Deliverable 2:

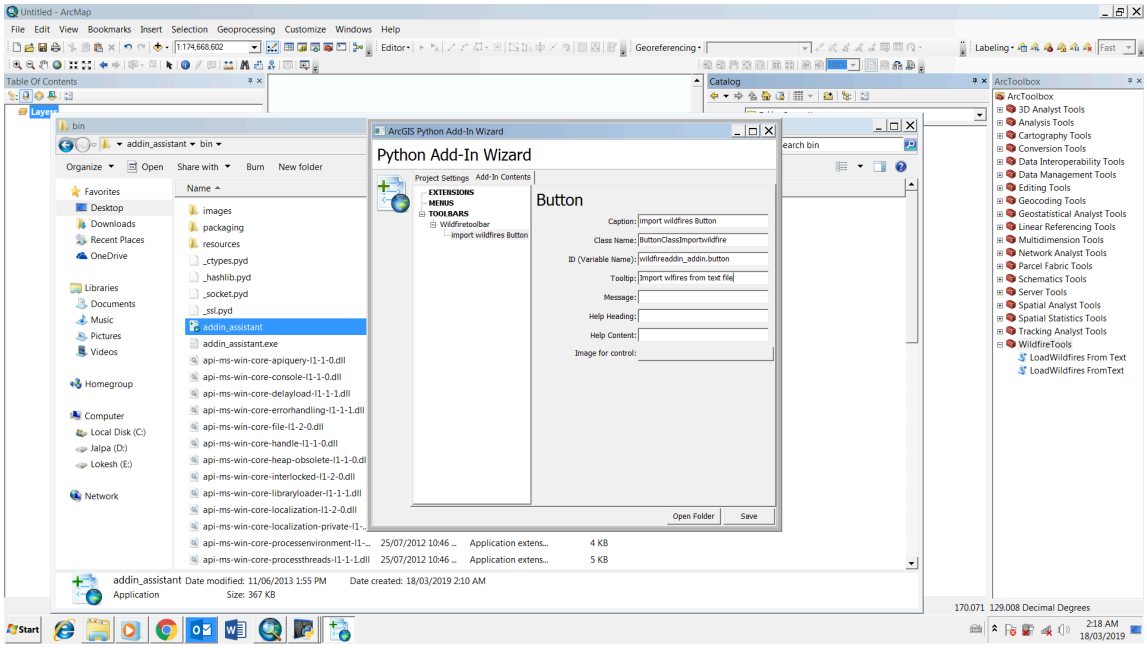


Deliverable 3:

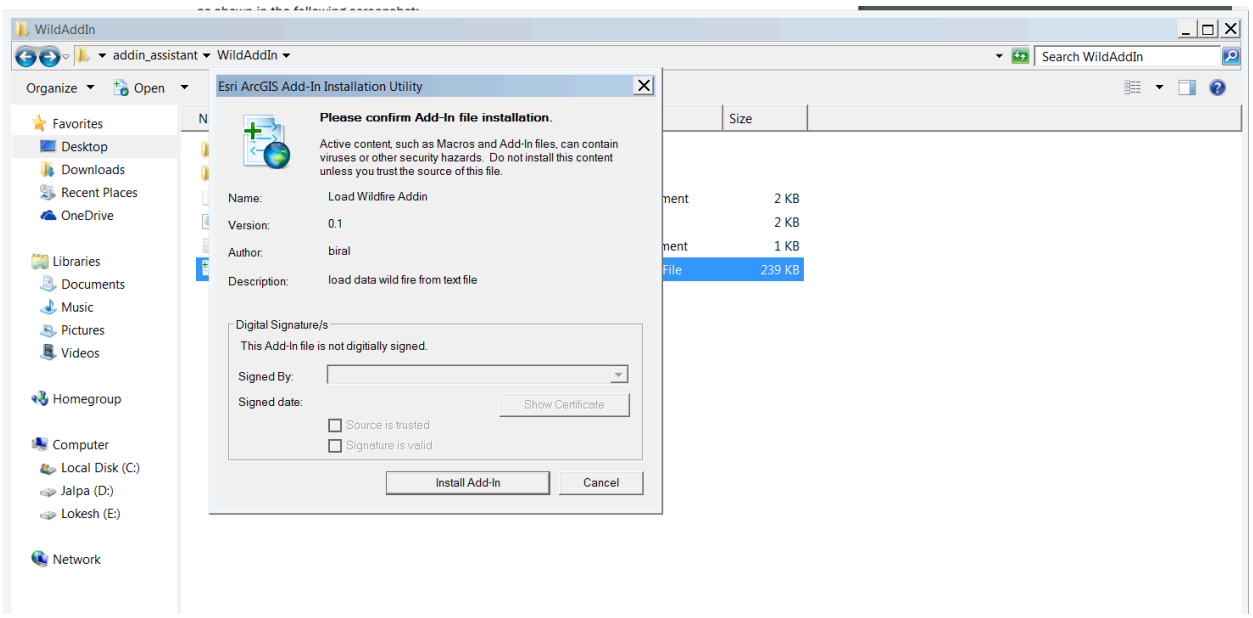
Downloading and installing the Python Add-In wizard

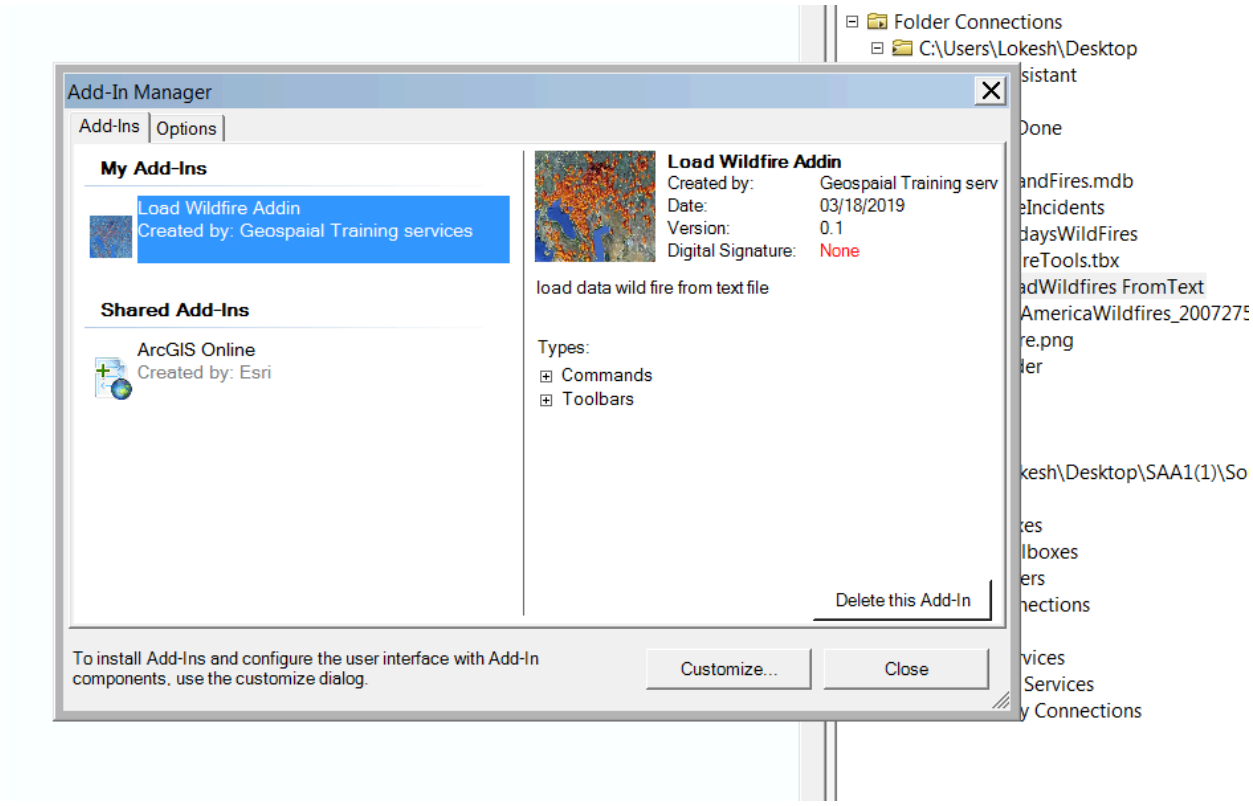


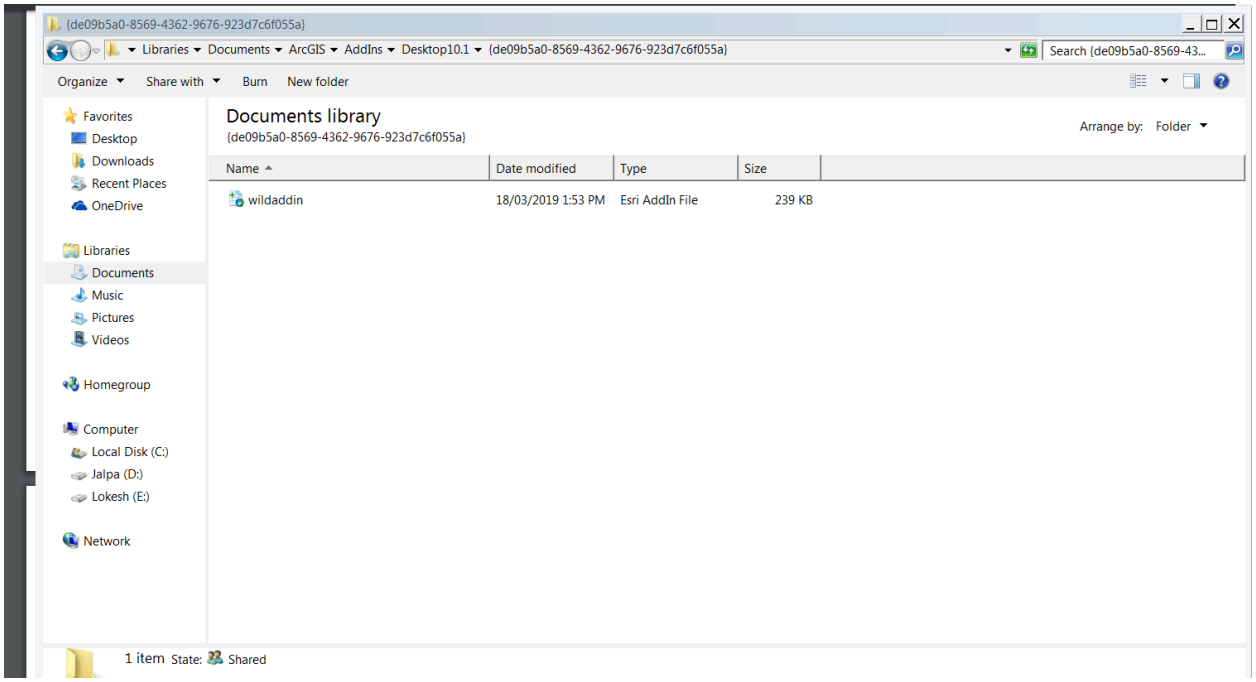
Creating a button add-in



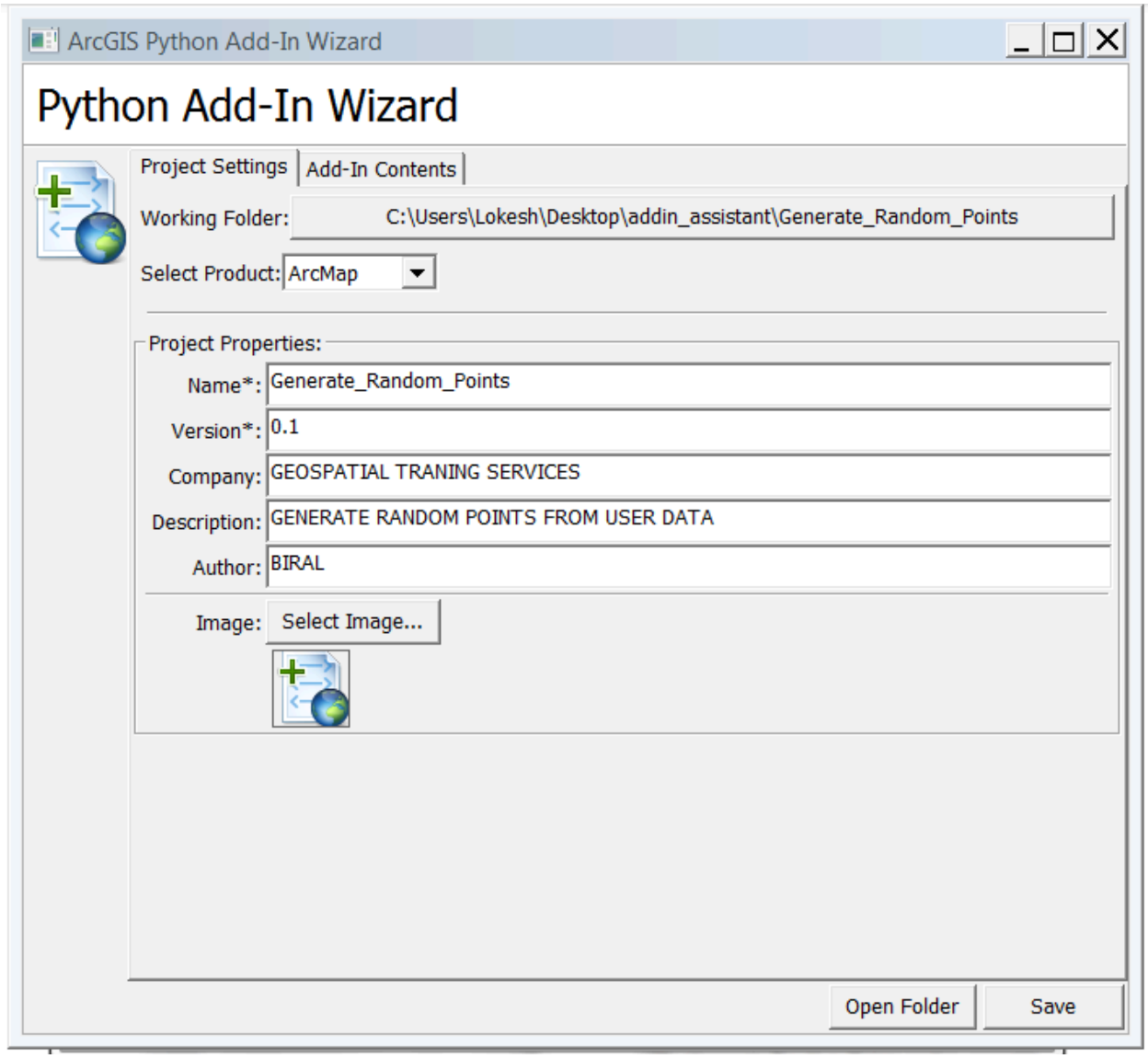
INSTALLING AND TESTING







Deliverable 4: Creating a tool add-in

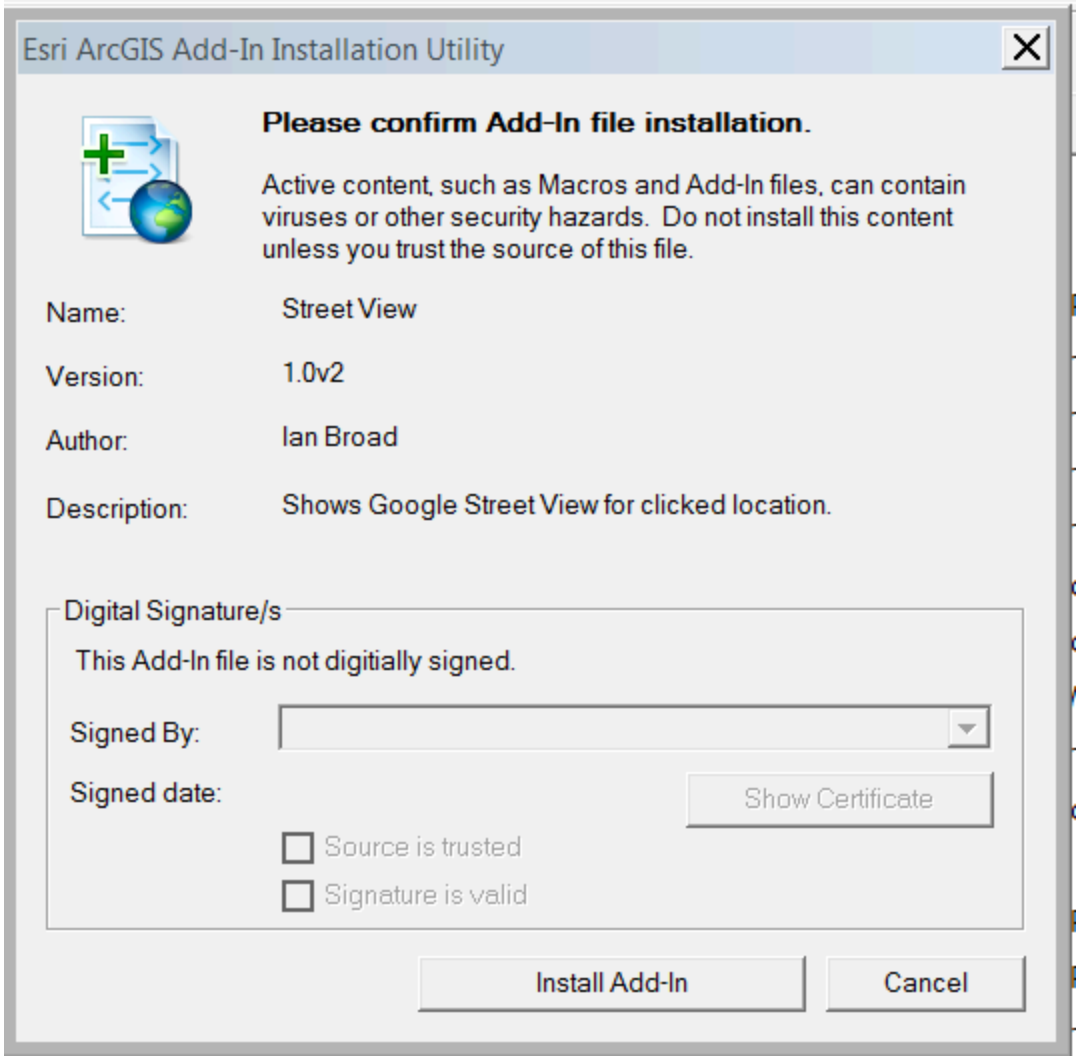

ArcGIS Python Add-In Wizard
Python Add-In Wizard
Project Settings
Add-In Contents
Working Folder:
C:\Users\Lokesh\Desktop\addin_assistant\Generate_Random_Points
Select Product:
ArcMap
Project Properties:
Name*:
Generate_Random_Points
Version*:
0.1
Company:
GEOSPATIAL TRANING SERVICES
Description:
GENERATE RANDOM POINTS FROM USER DATA
Author:
BIRAL
Image:
Select Image...
Open Folder
Save

Generate_Random_Points_addin.py - C:\Users\Lokesh\Desktop\addin_assistant\Generate_Random_Points\Ins...

File Edit Format Run Options Window Help

```
    def __init__(self):
        def __init__(self):
         self.enabled = True
         self.cursor = 3
         self.shape = 'Rectangle'
         # Can set to "Line", "Circle" or "Rectangle" for interactive shape draw
    def onMouseDown(self, x, y, button, shift):
        pass
    def onMouseDownMap(self, x, y, button, shift):
        pass
    def onMouseUp(self, x, y, button, shift):
        pass
    def onMouseUpMap(self, x, y, button, shift):
        pass
    def onMouseMove(self, x, y, button, shift):
        pass
    def onMouseMoveMap(self, x, y, button, shift):
        pass
    def onDblClick(self):
        pass
    def onKeyDown(self, keycode, shift):
        pass
    def onKeyUp(self, keycode, shift):
        pass
    def deactivate(self):
        pass
    def onCircle(self, circle_geometry):
        pass
    def onLine(self, line_geometry):
        pass
    def onRectangle(self, rectangle_geometry):
        extent = rectangle_geometry
        arcpy.env.workspace = r'C:\Users\Lokesh\Desktop\Lab8'
        if arcpy.Exists('randompts.shp'):
            arcpy.Delete_management('randompts.shp')
        randompts = arcpy.CreateRandomPoints_management(arcpy.env.
workspace,'randompts.shp',"",rectangle_geometry)
        arcpy.RefreshActiveView()
        return randompts
```

Deliverable 6: Screen capture of the installed Python add-in.



Deliverable 7 :

Owner: ian_broad ian_broad

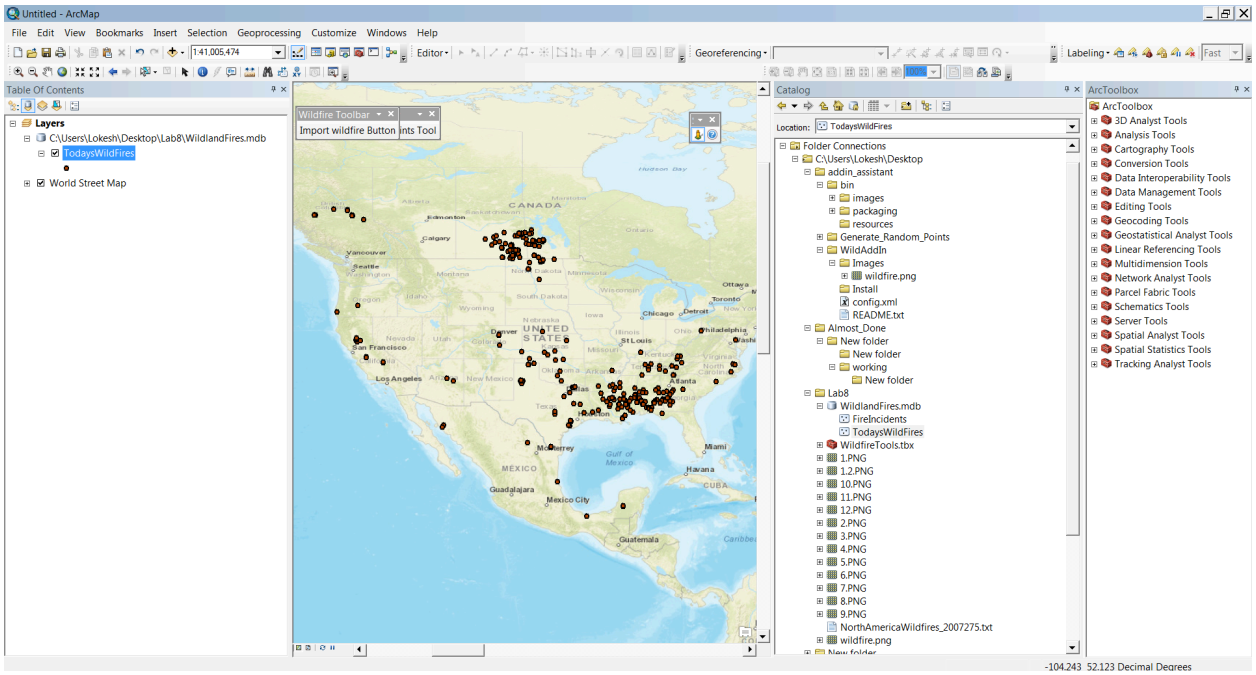
Description: This version is for 10.1, please visit the following link for the 10.2 and 10.3 version.

Allows a user to click a road within ArcMap, and the browser will open and load the Google Street View data for that location. Created: 11 Feb 2015 Updated: 5 Jun 2015

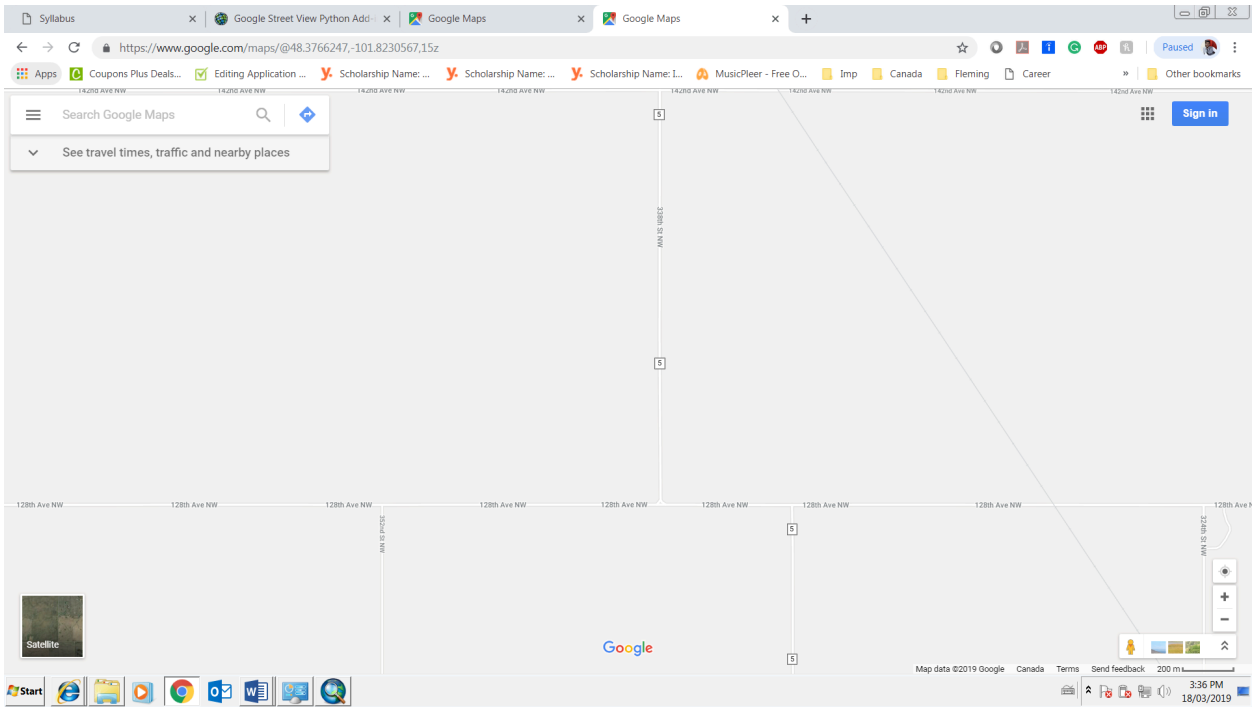
He works for an electric utility, and Google Street View is a very handy tool to do a quick “field check” to verify, for example, equipment or pole specifications. It can save a lot of time, and gas! Of course, the Street View data may not always accurately depict what’s in the real world since things change, but it’s still a very good source to have available.

User review : garixmartin64 commented 4 months ago

How do I sync my settings in windows 10, looking here the best solution to outlook sync settings http://windowstuts.net/synchronize-settings/ microsoft provide the best solution,now using this simple tips or easily to change your internet settings.



After selecting a point:



Deliverable 8:

If it is required to make a customization that performs an action in response to an event, or requires the use of the mouse to interact with the display, you should consider making an add-in. An example is a tool that requires the user to click and drag a rectangle over a map to define an area of interest. Another example is an application extension that saves the map document automatically anytime a layer is added or removed from the table of contents. (Python add-in, n.d.)

- You define parameters through the wizard
- You create validation code that lives in the toolbox
- Plus, you create and maintain the source script separately

All of these parts are segregated and more difficult to manage collectively. In a Python toolbox, parameter definitions, validation code, and the source code are all handled with Python code, making it easier to create and maintain Python tools. Additionally, Python toolboxes support capabilities that script tools do not, such as value tables, composite data types, and custom license checking. (comparition, n.d.)Python toolboxes support an isLicensed method that allows you to control whether a tool can be opened based on your criteria