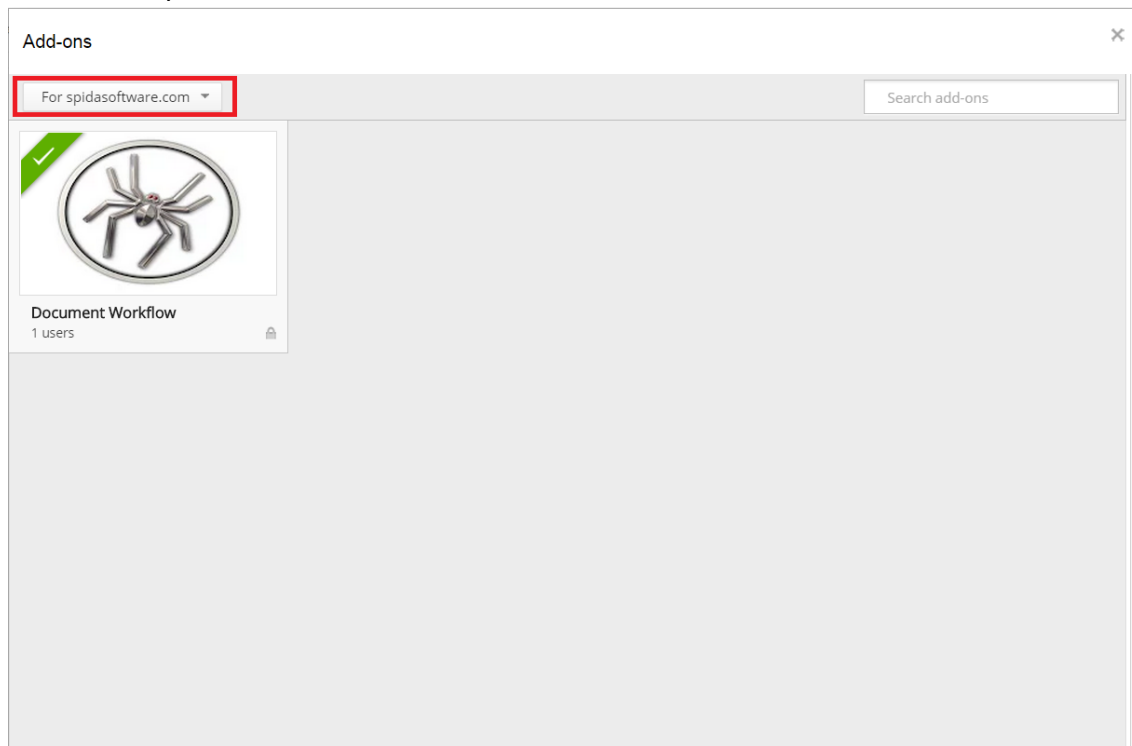# Workflow Document Generator ReadMe

Installing the Google-docs add-on

1. Create a google drive if you do not already have one (You must be a member of the spidasoftware domain to find it).

2. Open a new document in google docs.

3. Click on the "Add-ons" tab, then "Get add-ons...".x

4. Inside the web store, find the add-on titled "Document Workflow" inside the "For Spidasoftware.com" and install it.

MAC OSx USERS:

1. Install Python version 2.7 or higher if you do not already have it (brew install python).

2. Install Phantomjs version 1.9.7 (DO NOT choose a version above 1.9.7).

3. Install Casperjs version 1.1 beta or higher (brew install casperjs --devel).

4. Unzip the flowdocument.zip file into a location of our choosing.

5. Inside of flowdocument directory, right click the file called GenerateWorkflow.command and "Make Alias". Then rename this alias to anything you want and drag it somewhere convenient to you like you apps folder or desktop (or leave it where it is if you want, in which case you don't need to make an alias). You can double-click this to run the app after setup is complete.

To run the app:

1. Go to the https://www.spidasoftware.com/projectManager/ page where you created your WorkFlow.

2. Note the exact syntax of the company name you log into to get to the flow. If you do not have to change companies, then the company name is 'SPIDA'.

3. Press download on your workflow, and note the name of the file that gets downloaded. For example, if the flow name was 'North Carolina Make Ready Process' then the file download name would be 'North-Carolina-Make-Ready-Process.flow'. You will need this in an upcoming step.

4. Double-click the shortcut file from App-setup step 5. *Alternatively,* you can use the commandline and change directories to wherever you stored 'flowdocument', and type 'gradle run' to start the app.

5. When the user interface comes into focus, fill in company and flow names, being careful with spelling and letter-casings. The first time you run the app it may take much longer than every subsequent time, because it will be downloading libraries and dependencies from the internet.

6. In the "Gather" section, press "All Documents" to get screenshots of all forms and actions, and create a browser webpage of the workflow.

7. The program will then go and all the proper resources and you should see forms turning orange and then green once they are all complete.

8. Once both the action and form loading bars are full, Click "Open in Browser" to see the navigable index of events.

9. Click "Create Export Folder" to create a folder called ExportToGoogleDrive on your desktop. If this folder is already there from a preview build, it will overwrite all of the data inside the old one.

10. Click "Go to Google Drive"

11. Inside of "My Drive" create a new folder for the workflow, and name it whatever you like. Do not name it something that is already in your MyDrive folder however. This name will be prompted later, so remember it.

12. Click into this folder and then open up the "ExportToGoogleDrive" folder on your desktop and drag the "Resources" folder into the newly created folder in your google drive.

13. This upload will take a while, because Google apparently has severely limited upload speed inside Google drive.

14. Once the folder is uploaded fully, open up a new Google doc, and use the previously installed Google doc add-on to create the Event, Action, and Form document templates. When prompted for folder name, it is whatever you named it in step 11. This process may take up to a few minutes for very large flows.

WINDOWS USERS

*If you do not know how to install programming frameworks on Windows, then see the appended section titled Troubleshooting.

1. Install Python version 2.7 or higher if you do not already have it. Here is a link https://www.python.org/downloads/release/python-2710/. Choose Windows x86 64 MSI if you have a 64-bit system, Windows x86 MSI otherwise.

2. Install Phantomjs version 1.9.7 (You can choose any 1.9.x but do NOT install 2+). Here is a link to 1.9.7: https://repository-javaetmoi.forge.cloudbees.com/release/org/phantomjs/phantomjs/1.9.7/. Choose phantomjs-1.9.7-windows.zip

3. Install Casperjs version 1.1 beta or higher http://casperjs.org/.

4. Clone/download the git repository https://github.com/spidasoftware/min/ into a directory of of your desire. Type "git clone https://github.com/spidasoftware/min.git" in a terminal. If you already have this repository, then make sure to pull from the latest master branch.

5. Inside of min/scripts/flowdocument, drag the file called "CreateWorkflow" to any location convenient for later access (you can leave it where it is if you want). You can double-click this to run the app after setup is complete.

To run the app:

1. Go to the https://www.spidasoftware.com/projectManager/ page where you created your WorkFlow.

2. Note the exact syntax (case too) of the company name you log into to get to the flow. If you do not have to change companies, then the company name is 'SPIDA'.

3. Press download on your workflow, and note the name of the file that gets downloaded. For example, if the flow name was 'North Carolina Make Ready Process' then the file download name would be 'North-Carolina-Make-Ready-Process.flow'. You will need this in an upcoming step.

4. Double-click the "CreateWorkflow" file from setup step 5 to run the app.

Alternatively, Open a terminal window, change directories to where you stored/cloned the 'min/scripts/flowdocument' folder. Type 'gradlew run' to run the app.

5. When the user interface comes into focus, fill in company and flow names, being careful with spelling and letter-casings. The first time you run the app it will take much longer than every subsequent time, because it will be downloading libraries and dependencies.

6. In the "Gather" section, press "All Documents" to get screenshots of all forms and actions, and create a browser webpage of the workflow.

7. The program will then go and all the proper resources and you should see forms turning orange and then green once they are all complete.

8. Once both the action and form loading bars are full, Click "Open in Browser" to see the navigable index of events.

9. Click "Create Export Folder" to create a folder called ExportToGoogleDrive on your desktop. If this folder is already there from a preview build, it will overwrite all of the data inside the old one.

10. Click "Go to Google Drive"

11. Inside of "My Drive" create a new folder for the workflow, and name it whatever you like. Do not name it something that is already in your MyDrive folder however. This name will be prompted later, so remember it.

12. Click into this folder and then open up the "ExportToGoogleDrive" folder on your desktop and drag the "Resources" folder into the newly created folder in your google drive.

13. This upload will take a while, because Google apparently has severely limited upload speed inside Google drive.
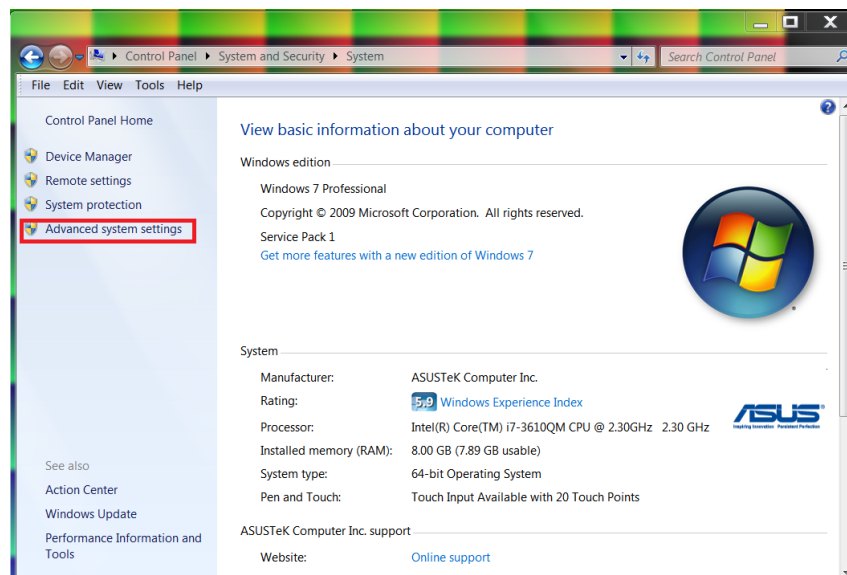
14. Once the folder is uploaded fully, open up a new Google doc, and use the previously installed Google doc add-on to create the Event, Action, and Form document templates. When prompted for folder name, it is whatever you named it in step 11. This process may take up to a few minutes for very large flows.
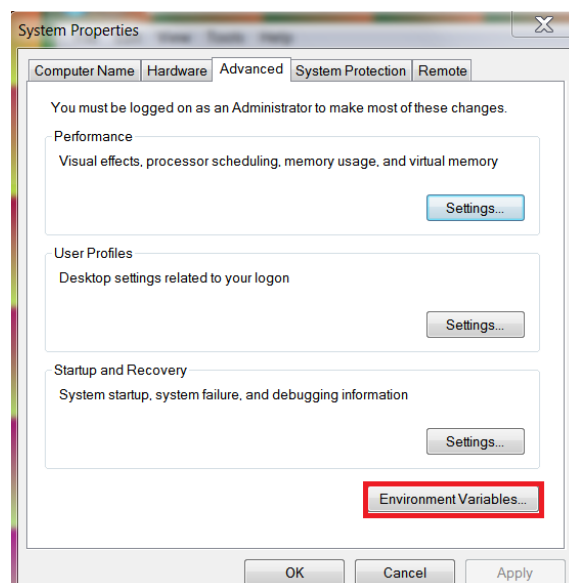
Troubleshooting:

*For installing a programming framework on Windows:

Download the zip file of the languages you do not have (java, python, phantomjs, casperjs). Take this folder and "extract all" directly into your into C:\ drive. Rename the folder to just the basename of the language, getting rid of any version numbers (as seen above). Now, once all of the downloaded zip files are renamed and in the C:\ drive, go to your Control panel and do the following:
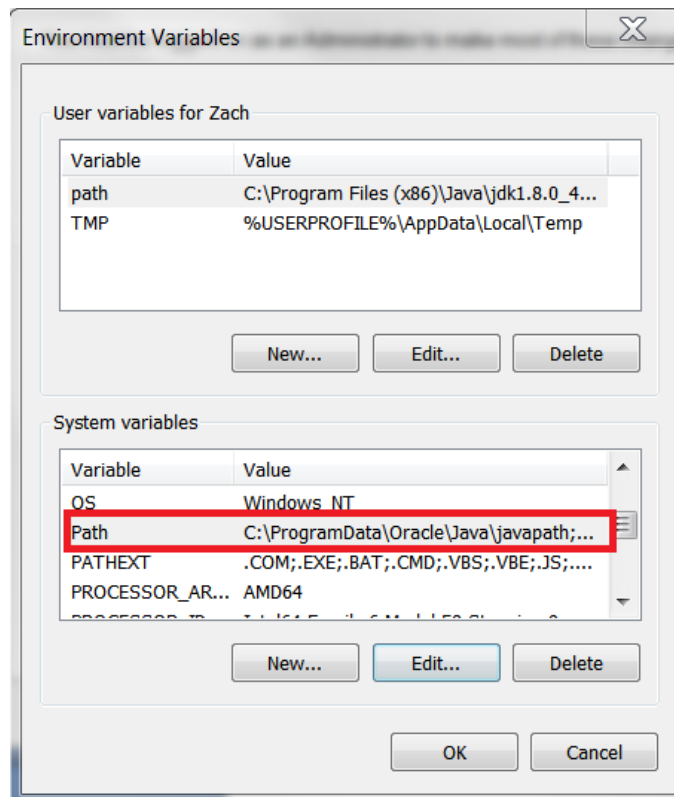
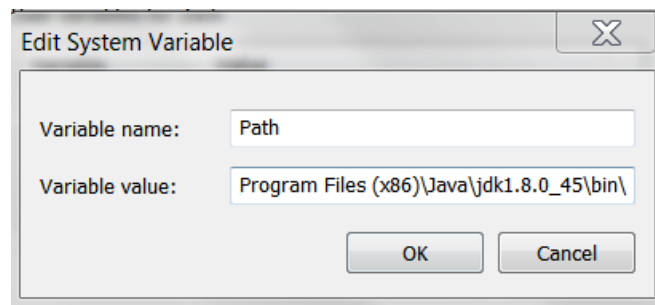Control Panel -> System & Security -> System

-> Advanced System Settings

-> Environment Variables...

Choose your PATH System variable, and press edit.

At the end of the variable value field, APPEND the absolute file path locations of the executables inside the downloaded casperjs/phantomjs/python folders. Semicolons separate different file paths. Casperjs needs both the bin and batchbin paths or it will not work. If you renamed them and extracted them into the C:\ drive as suggested, you should be able to copy and paste this to the end:

    ;C:\python\;C:\phantomjs\;C:\casperjs\bin\;C:\casperjs\batchbin\;

*If there are missing forms or actions, they will appear as red in the action or form tab. It is likely that an internet slowdown or interruption caused a page not to load, and you should run the program again and see if that captures them all. If they are missing again. Then check the website to see if there is an issue at spidasoftware for those actions/forms. Otherwise, you will have to just manually take screenshots.

**You must have your downloaded .flow file in your /Users/"your username"/Downloads. If this is not your automatic download location (which it is unless you changed it), then simply move the downloaded file to that folder and try again.

TIPS:

1. Order you should press the buttons:

Clean Resources -> All Documents -> (check for all green forms and actions)

-> Open in Browser (optional) -> Create Export Folder -> Go to Google Drive

2. The only reason you should not clean resources before starting a new workflow build is because you only wanted to redo the actions or forms after already having run the "All documents" option.

3. In your Google drive, if you get an error about 'invalid image data' or otherwise, this is likely just because even though the drive says it has finished uploading all the files, the images are not actually rendered quite yet. Wait another 2 minutes or so and try again.

4. Make sure you do not have the downloaded .flow file open when you try to run the app, Windows will give you a file permission error.

5. Some syntax in Event/action/form names could potentially stop the successful capture of some documents. If there are errors in capturing all documents, try and look through the names and change names to avoid characters like %+^<>$*&[]=;@#!~ .