We are using python version 3.6. Development and deployment will be done on linux(Ubuntu) environment. All testing and releasing will be done on this OS.

We will user 2 modules of python in this project

1. GTK
2. WebKit

**GTK Module**

**PyGObject** is a Python package which provides bindings for [GObject](https://developer.gnome.org/gobject/stable/) based libraries such as GTK, GStreamer, WebKitGTK, GLib, GIO and many more. It supports Linux, Windows and macOS and works with **Python 2.7+**, **Python 3.5+**, **PyPy** and **PyPy3**. PyGObject, including this documentation, is licensed under the **LGPLv2.1+**.

PyGObject is a Python module that enables developers to access GObject-based libraries such as GTK+ within Python. It exclusively supports GTK+ version 3 or later.

**-install using below command**

1. Sudo jhbuild build pygobject
2. Sudo jhbuild build gtk+-3
3. Sudo jhbuild shell

WebKit Module

The Python Webkit DOM Project makes python a full peer of javascript when  
it comes to accessing and manipulating the full features available to  
Webkit, such as HTML5. Everything that can be done with javascript,  
such as getElementsbyTagName and appendChild, event callbacks through  
onclick, timeout callbacks through window.setTimeout, and even AJAX  
using XMLHttpRequest, can also be done from python.

Python-Webkit is a python extension to Webkit to add full, complete access  
to Webkit's DOM - Document Object Model. On its own, however, Python-Webkit  
doesn't actually do anything, because it is only through WebkitDFB, WebkitGTK  
or WebkitQt4 that Webkit "Document Objects" are actually created  
(and displayed, on-screen). Thus it is necessary to make a small patch  
to each of PyWebkitGTK and PyWebkitQt4, to "break out" access to the DOM,  
but for WebkitDFB, as it is very new, has its own c-based python module,  
included as part of PythonWebkit.  
  
Both PyWebkitDFB and PyWebkitGTK have been done, already.

**-install using below process**

The Python Webkit DOM Bindings are in development: it's possible to  
follow or contribute; the source code is available through the  
[git repository](http://savannah.gnu.org/git/?group=pythonwebkit).  
  
 git clone git://git.savannah.gnu.org/pythonwebkit.git  
  
For the pywebkitgtk version, please ensure that you check out the  
"python\_codegen" branch:  
  
 git checkout python\_codegen  
  
and for the DirectFB (experimental) version, please ensure that you check out  
the "python\_codegen-directfb-2010\_11\_18" branch:  
  
 git checkout python\_codegen-directfb-2010\_11\_18  
  
If you fail to check out the correct branch, you will end up with a "vanilla"  
version of webkit, which will simply not provide you with python bindings.