**PySide vs PyQt**

PyQt and PySide are both Python bindings for the Qt application framework, which allows developers to create cross-platform applications with a native look and feel. The main difference between them lies in their licensing and origin:

**Licensing:**

* PyQt is available under the GPL and a commercial license. This means that if your application is open-source, then you can use PyQt for free under the GPL. If your application is proprietary, you need to purchase a commercial license from Riverbank Computing.
* PySide was originally developed as the official set of Python bindings for Qt by Nokia, later taken over by Digia, and is now maintained by the Qt for Python project. It is available under the LGPL, allowing you to use it for both open-source and proprietary applications without having to pay for a commercial license.

**Development and Community:**

* PyQt has been in development for a longer time, and it has a large user community and extensive documentation. It is well-established and offers support for both PyQt4 and PyQt5.
* PySide was initially a separate project, but it has gained significant popularity and is actively developed and maintained by the Qt for Python project. It follows the development of Qt closely and is intended to be fully compatible with Qt's latest versions.

**Compatibility:**

* PyQt has a few more features and a longer history of development compared to PySide. It has a complete set of Python bindings for the Qt framework and includes Qt Designer, a visual design tool.
* PySide aims to be fully compatible with PyQt but may lack some of the features of the latest version of PyQt.

Both PyQt and PySide allow you to develop powerful and cross-platform applications using the Qt framework. The choice between them often depends on the specific requirements of your project, your licensing needs, and the level of community and documentation support you require.