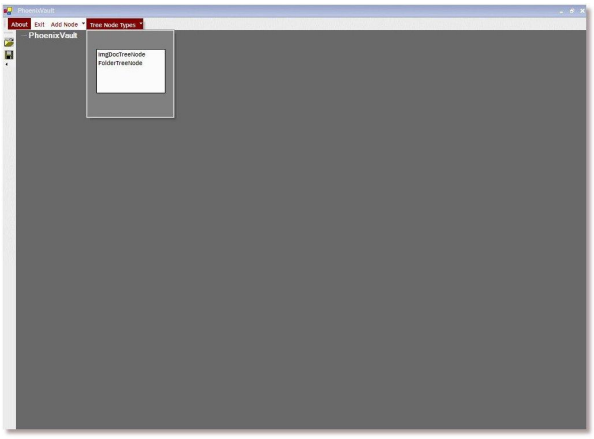
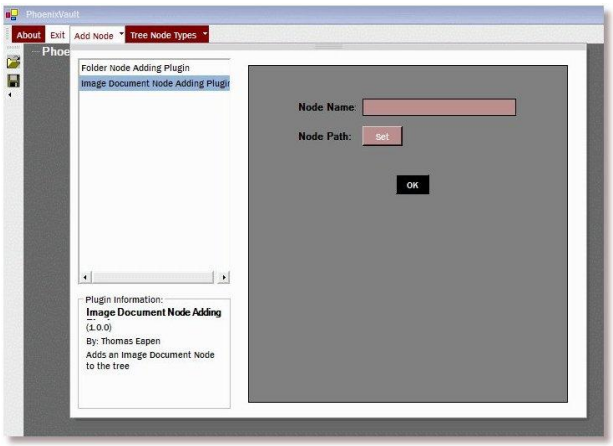
Document Management System

Some of the highlights of this application framework are

- Dynamic loading of various plugin types.
- Highly extendable due to its plugin based architecture.
- Cryptography for secure storage of the node base document hierarchy.



- This framework is a node based document management system.
- The main framework has multiple hosts which can accept various types of plugins. The concept of interface polymorphism is used heavily in this application to implement this plugin based architecture.
- Various node types are created for various purposes and they inherit the base node type. Thus, inheritance polymorphism is used throughout this application as well.

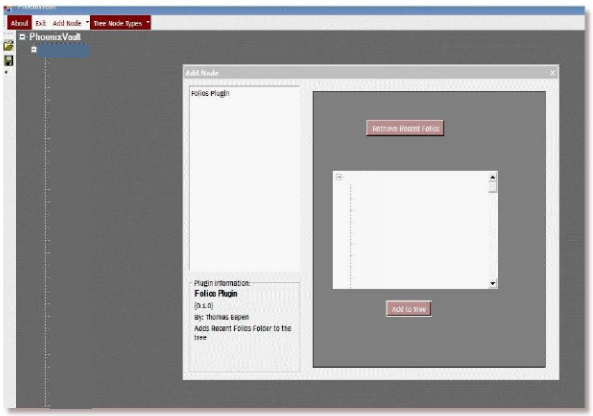


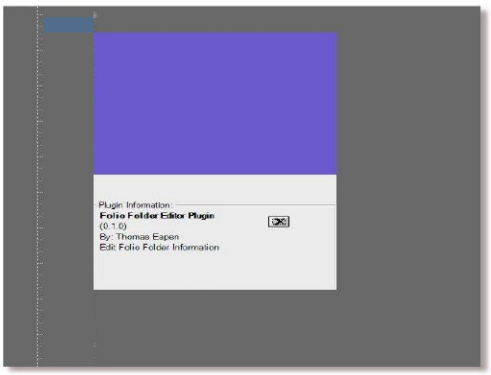
- The node types inherit from a base class which is serializable. Hence, new members of inherited classes are also made serializable and de-serializable.
- Making the plugin nodes serializable allows the nodes to pass through various application boundaries by serializing through a memory or file stream and then de-serializing them in other applications



- The entire node based hierarchy can be saved into a file which is encrypted by a password.







A plugin node type which opens its plugin editor type.