Qualified Name for Classes and Functions

Qualifed Team Name Hunter Haskins, Jose Escobar, Michael Crozier, Steven Funk

Pythons Scoping Issues

- Pythons introspection facilities have long had poor support for nested classes due to only having 3 defined namespaces:
    - Local
    - Global *Built-in

```python
def blah():
    """The blah function demonstrates doc strings"""
    return 42
```

- The following slides provide a brief history of how a solution is formed
  - Initial attempt at a solution: PEP 227 - Statically Nested Scopes
  - Second attempt: PEP 3104 - Access to Names in Outer Scopes
  - Latest attempt: PEP 3155 - Qualifed Name for Classes and Functions

- The addition of nested scopes allows resolution of unbound local names in enclosing function's namespaces
- According to Python 2.0: for a function foo defined within a function bar, the names bound in bar are not visible in foo