Coding Standards

Naming Conventions

Type	Format	Example
Local Variables	snake_case	employee_num
Global Variables	snake_case	total_users
Function Names	snake_case	def calculate_total():
Class Names	camelCase (with first letter capitalization)	CompEmployee
File Names	snake_case	main_file.py

Template For File Headers

Should be written at the top of a file

```Python
"""

Created on [then write the date and time]
Last Modified: date and time of modification.

File Name: file_name.py
Description: a high-level overview of the file's purpose.

Notes: anything to note about its dependencies or
limitations.

@author: list of authors
"""
```

Template Documentation for Functions:

Should be written under the function name.

```python
"""
    Brief description of the function's purpose.

    Parameters:
    param1 : expected type
        Description of param1.
    param2 : expected type
        Description of param2.

    Returns:
    return_type
        Description of what is returned.

    Raises (if any):
    ExceptionType1
        Description of why this exception might be raised.
    ExceptionType2
        Description of why this exception might be raised.

    Example (if this adds clarity):
"""
```

Template Documentation for Classes:

Should be written under the class name.

```Python
"""
    Brief description of the class' purpose.

    Parameters:
    param1 : expected type
        Description of param1.
    param2 : expected type
        Description of param2.
"""
```