Lab Quiz 1 – Objects and Classes

1. What is a benefit of marking a class attribute as private?

2. Suppose we have imported a class `Boat` and have the following code:

```python
def load_boat(boat, items):
    """Put a collection of items on a boat.
    @type boat: Boat
    @type items: list
    @rtype: None
    ""
    for item in items:
        boat.load(item)
        print('Loaded item: ' + str(item))
```

Now suppose we have created a boat object called `myboat`, and attempt to load a set of integers on the boat:

```python
>>> myboat.load_boat([1, 2, 3, 4, 5])
...
AttributeError: 'Boat' object has no attribute 'load_boat'
```

Explain the source of the error, and how you could fix it.

3. We have already discussed that classes may represent entities which are not physical objects, like a recommendation or recording system. Briefly describe another situation or context where you might use a class to represent an entity which is not a physical object.