Unit Testing 1 cheatsheet

Testing

Test functions should begin with the word `test_`

`assert` validates if an expression is True

```python
def add_two_numbers(a, b):
    return a + b

def test_add_two_numbers():
    # Arrange
    a = 5
    b = 5
    expected = 10

    # Act
    actual = add_two_numbers(a, b)

    # Assert - pass
    assert expected == actual

test_add_two_numbers()
```

Testing Terms and Definitions

- `Unit`: The smallest testable chunk of code.
- `TDD`: Test Driven Development. The process of writing tests first.
- `Happy Path`: Successful test scenarios.
- `Unhappy Path`: Unsuccessful test scenarios.
- `Corner Case`: Outside normal parameters.
- `Edge Case`: Extreme min/max parameters.