**Deliverables**

* Sprint 1
  + Requirements
    - A list of requirements with sufficient detail to ensure the correct problem is solved:

1. The user will type in a sentence that says how many of each coin they have (like “4 dimes and 7 quarters”).
2. The program has to figure out how many coins there are and what kind they are.
3. It only works with pennies, nickels, dimes, and quarters.
4. It should add everything up and show the total in dollars, like 2.15 or 0.41 (with two numbers after the dot).
5. It should work even if there’s more than one coin type, as long as they’re joined with “and”.
   * Design
     + An algorithm written in pseudocode:
6. Make a list or dictionary to see how much each coin is worth.
7. Break the sentence wherever it says "and" so we can look at each coin type separately.

For each part:

1. Split it into the number of coins and the type of coin
2. Change the number into an actual number that Python understands. Then look up how much the coin is worth.
3. Then multiply how many coins there are by how much each is worth, then add it to the total.
4. At the end, show the total amount in dollars, making sure it has two decimal places at all times.
   * Implementation
     + Please see Python code in Github.
   * Testing
     + A list of the test cases you ran and if they passed or failed:
5. (10 nickels and 5 dimes, "1.00",

3 quarters and 2 pennies, "0.77",

50 pennies and 4 nickels, "0.70",

2 quarters and 2 dimes and 2 nickels, "0.90")

1. (1 penny and 2 nickels, "0.11",

4 dimes and 7 quarters, "2.15",

1 quarter and 3 pennies, "0.28",

21 pennies and 17 dimes and 52 quarters, "14.91")

-All test cases resulted in an unknown result or fail

* + - A short summary of any bugs you found and under what conditions they occur:

It messes up when you type coin names with an “s” at the end like “pennies” or “quarters”. It only understands the single version like “penny” or “quarter”. So if you use the plural form, it says it doesn’t know the coin and gives you the wrong total.