

## CS 362 HW4

1.ii)

- 1) I chose this because it tested the complex decimal number volume. A pass condition would be `volume(5.5)` returning 166.375. Anything else would be a failure.
- 2) I chose this because it tested if the code threw an error with a string. A pass condition would be `volume('hi')` throwing a `TypeError` error. Anything else would be a failure.
- 3) I chose this because it tested the negative number input. A pass condition would be `volume(-10)` returning 0. Anything else would be a failure.

2.ii)

- 1) I chose this it tested a basic int input. A pass condition would be if `average([1,2,3])` returns 2. Anything else would be a failure.
- 2) I chose this because it tested if the code could process negative numbers. A pass condition would be `average([-1,-2,-3])` returned -2. Anything else would be a failure.
- 3) I chose this because it tested the empty list. A pass condition would be `average([])` returning 0. Anything else would be a failure.

3.ii)

- 1) I chose this because it tested the basic string input. A pass condition would be `fullname("Hudson", "Mazza")` returning "Hudson Mazza". Anything else would be a failure.
- 2) I chose this because it tested if the code could process int inputs. A pass condition would be `fullname(10, 20)` returning "10 20". Anything else would be a failure.
- 3) I chose this because it tested empty inputs. A pass condition would be `fullname("", "")` returning " ". Anything else would be a failure.

4.i) The component I chose was the posting feature. This feature essentially takes a post a person has made and sends to the servers.

4.ii) One test I could run is if the Photo and caption fields are filled. In this case, no error would go through and the post would go through. Another test I could run is if the photo field is filled but the caption field is not. This would through an empty field error and then not send the post. A third test I could do is to have the caption field filled but no photo selected. This would also an empty field error and then not send the post.