11COM SAC4: Programming Portfolio
Folio #__0__

1. **User interface:** Create a mockup below.

Welcome to FizzBuzz!

Fizz #: [3]
Buzz #: [5]   #s only
Max #:   [50]

[Generate]

Result:

1, 2, Fizz, 4, Buzz, ...

2. **Processing:** Pseudo-code, IPO chart, or flowchart (use separate page if necessary).

```
When button is clicked:
    get fizz #
    get buzz #
    get max #
    loop i=1 to max #:
        if i is div by both:
            display "Fizz Buzz"
        else if i is div by fizz:
            display "Fizz"
        else if i is div by buzz:
            display "Buzz"
        else:
            display i
```

3. **Variables:** Data dictionary.

Name	Type	Format	Size	Purpose	Example
fizz	int	#	/	Store the fizz #	3
buzz	int	#	/	Store the buzz #	5
maxNum	int	#	/	Store the max # that we count to.	50
i	int	#	/	Loop counter (steps from 1 up to maxNum).	1
result	str	#, #, ...	/	Accumulate the result to be displayed	"1, 2, "

4. **Tests:** Test table – fill out the test data and expected result.

Test Data	Expected Result	Attempts & Adjustments	Actual Result (Final)
fizz=3 buzz=5 maxNum=50	1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz, Buzz, 11, Fizz, 13,14, Fizz Buzz, ... Fizz, 49, Buzz.	1 - Had an unwanted trailing comma (and interface issues). 2 - Done!	1, 2, Fizz, ... Fizz, 49, Buzz.
fizz = 1 buzz = 2 maxNum=10	Fizz, Fizz Buzz, Fizz, Fizz Buzz, Fizz, Fizz Buzz, Fizz, Fizz Buzz, Fizz, Fizz Buzz	1- Working!	Fizz, Fizz Buzz, " " " Fizz, Fizz Buzz
fizz=4 buzz=4 maxNum=100	1, 2, 3, Fizz Buzz, 5, 6, 7, Fizz Buzz, ... 98, 99, Fizz Buzz.	1- Working!	1, 2, 3, Fizz Buzz, ... Fizz Buzz

5. **Solution:** Create your .html solution.
6. **Annotated tests:** Finish your test table from Step 4.