

**Deliverable 3**  
**The Chocolate LEclairs**

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**I. Description**

- This deliverable contains the testing framework that our team has created for the project Sugar Labs. In this document you can find testing instructions as well as see the overall architecture of our system.

**II. Experiences**

- This deliverable was definitely the most challenging task so far for this project. We decided to use python as our scripting language since that is what the project was written in to begin with, making it much easier to interact with the project files the sugarlabs team created. After creating a few test cases we had some other issues to resolve like redirecting the output from unittests to a file instead of the terminal. Overall we are happy with the framework layout and our ability to create the rest of the test cases moving forward.

**III. Testing Framework Instructions**

- A. Clone repo from  
<https://github.com/csci-362-fall-2018-01/The-Chocolate-LEclairs.git>
- B. `'cd testing-framework/scripts/'`
- C. Run script file for tests
  - 1. `'python runAllTests.py'` to run all test cases
  - 2. `'python runTest.py {filename}'` to run specific test
- D. Output will be sent to the temp/output.logs file and builds every time a test is run
- E. Previous script output will be sent to reports/testReport.html

**IV. Creation of Testing Framework**

- A. Created files and folders as described in the TeamProjectSpecifications.pdf file

```
/testing-framework
  /sugar
    sugarlabs source files
  /scripts
    runAllTests.py
    runTest.py
  /testCases
    testCase1.txt
    testCase2.txt
    ...
```

```
/testCasesExecutables
    testCase1.py
    testCase2.py
    ...
/temp
    Output.log
/docs
    README.txt
/reports
    testReport.html
```

## **V. Test Case Specifications**

### **A. Test Case: Age\_calculator**

1. TestCase\_01
2. Intro
3. agepicker.py
4. calculate\_age
5. Test Inputs: 22/06/1997, 21; 25/12/1997, 20; 10/03/1990, 28; 29/05/1978, 40; 30/09/2016, 2. No Command Line prompts
6. Expected Output: 21, 20, 28, 40, 2

### **B. Test Case: age\_calculator\_invalid**

1. TestCase\_02
2. Intro
3. agepicker.py
4. calculate\_age
5. Test Inputs: 22/06/1997, 25
6. Expected Output: 21

### **C. Test Case: buddy\_nickname**

1. TestCase\_03
2. Intro
3. Buddy.py
4. Set\_nick
5. Test Input: bigboidan
6. Expected Output: Bigboidan

### **D. Test Case: buddy\_key**

1. Test Case\_04
2. Intro
3. Buddy.py
4. Set\_key
5. Test Input: DEADBEEF\_DEADCODE

6. Expected Output: DEADBEEF\_DEADCODE

E. Test Case: buddy\_color

1. Test Case \_05

2. Intro

3. Buddy.py

4. Set\_color

5. Test Input: FF00FF

6. Expected Output: FF00FF