In-class 3: Candy Tasting Testing
Due 27-Sep-2019, 3:15pm (Submit to Collab)

**Purpose:** Practice coverage-based test design, analyze and evaluate the quality of tests

**Instruction:**
1. Form a team of 7-8 members
2. Follow the activity descriptions (will be provided in class)
3. Define one **criterion** to test the artifacts (Candies!)
4. Derive a set of **test requirements**
5. Design a **minimal test set**
   (note: you will trade this page with another team later)
6. Given your test requirements
   - Record which test requirements are satisfied by your test set

   - Analyze and compute the coverage level of your test set

7. Execute your tests
   - Record the number of failed test cases

   - Record the number of test cases that are infeasible (make a note, why they are infeasible)

   - Compute the coverage level based on test execution. Is it the same as the coverage level you analyzed and computed previously?

8. Given your test requirements
   - Record which test requirements are satisfied by another team's test set

   - Analyze and compute the coverage level of another team's test set

9. Execute another team's tests
   - Record the number of failed test cases
Record the number of test cases that are infeasible (make a note, why they are infeasible)

Compute the coverage level based on test execution. Is it the same as the coverage level you analyzed and computed previously?

Wrap-up questions

1. Is your criterion appropriate? Why do you think it is appropriate?

2. Is there redundancy in your set of test cases?

3. Given your criterion (and thus your test requirements), consider the coverage levels of your test set and another team's test set. Are they different? What does it mean if one is higher than another?

Grading rubric
[Total: 10 points]: Done (or provide evidence of your attempt)

Submission
- Take a selfie (or picture) of your team
- Take screenshots of the worksheets (with your answers)
- Submit all pictures/screenshots to Collab (under Assignments/in-class3), each team submit only one copy
- When submitting your in-class to Collab, make a note in a submission textarea (or text box), clearly specifying all team members' computingIDs and names.