Design Document and Test Plan

Name of team members who collaborated on the design and test plan:

1. Name (*first last*): \_\_Adam Haaf\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name (*first last*): \_\_Sam Ogle\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Name (*first last*): \_\_Armando Sallas\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Name (*first last*): \_\_Grayson Whitaker\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of programming challenge for which you submit this document: \_\_Bike-to-Campus Reward Points

# Pseudocode

*(See Ch. 1.6, p. 20 in our textbook for an example of how to write detailed pseudocode)*

Ask user for number of bike rides to campus

Input number of bike rides

If number of bike rides is less than 0, output error message and ask user for another number

Output number of points corresponding with number of bike rides

Exit program

# Test Plan

*(See Ch. 5.13, p. 306 in our textbook for an example of how to write a test plan)*

|  |  |  |  |
| --- | --- | --- | --- |
| **Test #** | **Purpose** | **Input** | **Expected Output** |
| 1 | Testing basic functionality | 0 | 0 |
| 2 | Testing basic functionality | 3 | 15 |
| 3 | Testing basic functionality | 5 | 50 |
| 4 | Testing with negative numbers | -1, 1 | Error, 3 |
| 5 | Testing with extremely large numbers | 1000 | 50 |
| … | *(Feel free to add more test cases)* |  |  |