Design Document and Test Plan

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

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Name of programming challenge for which you submit this document: Problem 2: Bike-to-Campus Reward Points

# Pseudocode

Ask user for input (number of bike rides to campus)

If <0, ask again (Invalid input, try again.)

Display the appropriate value (You earned \_ points this semester!)

# Test Plan

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

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| --- | --- | --- | --- |
| **Test #** | **Purpose** | **Input** | **Expected Output** |
| 1 | Testing less than 0 input | <0 | Invalid input, try again. |
| 2 | Testing 0 input | 0 | You earned 0 points this semester |
| 3 | Testing 1 input | 1 | You earned 3 points this semester |
| 4 | Testing 2 input | 2 | You earned 10 points this semester |
| 5 | Testing 3 input | 3 | You earned 15 points this semester |
| 6 | Testing 4 input | 4 | You earned 30 points this semester |
| 7 | Testing >=5 input | >=5 | You earned 50 points this semester |