



Verification and Validation Report

Cyclops Ride Assist: Real-time bicycle crash detection and blindspot monitoring.

Team 9

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1. Revision History

Table 1.1: Revision History

Date	Developer(s)	Change
March 1, 2023	Aaron Li, Amos Cheung, Amos Yu, Brian Le, Manny Lemos	Document created

2. Symbols, Abbreviations, and Acronyms

(check VnVPlan document)

3. General Information

3.1. Purpose

(Why does this document exist - see LazyBots VnV Report)

3.2. Scope

(How far we will take the testing - see LazyBots VnV Report)

3.3. Background

(Overview about what Cyclops does - see LazyBots VnV Report)

4. Functional Requirements Evaluation

(For each of the 14 FRs, describe test plan and factors to consider when testing - see SRS)

5. Non-Functional Requirements Evaluation

(For each of the 8 NFR sections, describe test plan and factors to consider when testing - see SRS)

5.1. Look and Feel Requirements

5.2. Usability and Humanity Requirements

5.3. Performance Requirements

5.4. Operational and Environmental Requirements

5.5. Maintainability and Support Requirements

5.6. Security Requirements

5.7. Cultural and Political Requirements

5.8. Legal Requirements

6. Unit Testing

(Description of unit testing suite, and table of all unit tests)

7. Changes Due to Testing

(How feedback from the user/TAs shaped the final product, make sure to highlight suggestions from the Rev0 demo)

8. Code Coverage Metrics

(Maybe a diagram)

9. Appendix

9.1. Reflection

(How is the VnV Report different from the VnV Plan? Was there anything that was planned in the VnV Plan that was executed differently in the VnV Report?)

If so, why did the changes occur, and how could we have anticipated those changes for the future?

If not, how was your team able to clearly predict a feasible amount of effort and the right tasks needed to build the evidence that demonstrates the required quality?)