

Module Interface Specification

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

Team 9

Aaron Li (lia79) Amos Cheung (cheuny2) Amos Yu (yua25) Brian Le (leb7) Manny Lemos (lemosm1)

Table Of Contents

- 1. Revision History
- 2. Introduction
- 3. Purpose
- 4. Scope
 - 4.1. System Context
- 5. Project Overview
- 6. System Variables
- 7. User Interfaces
- 8. Mechanical Hardware
- 9. Electrical Components
- 10. Communication Protocols
- 11. Software Modules
 - 11.1. (MODULE 1 TITLE)
 - 11.1.1. Module Secrets
 - 11.1.2. Module Relationships
 - 11.1.3. Likely Changes
 - 11.1.4. Unlikely Changes
- 12. Timeline
- 13. Appendix
 - o 13.1. Reflection
 - 13.1.1. Solution Limitations

List of Tables

• Table 1.1: Revision History

List of Figures

- Figure 4.1.1: CRA System Context Diagram
- Figure 5.1: CRA Functional Decomposition Diagram

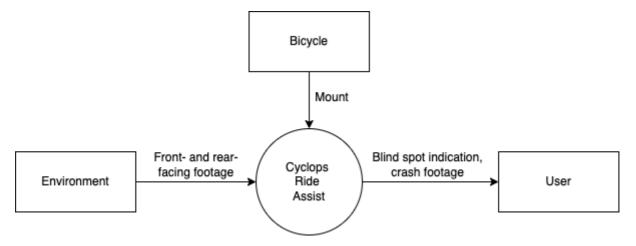
1. Revision History

Table 1.1: Revision History

Date	Developer(s)	Change
2023-01-17	Aaron Li, Amos Cheung, Amos Yu, Brian Le, Manny Lemos	Document created

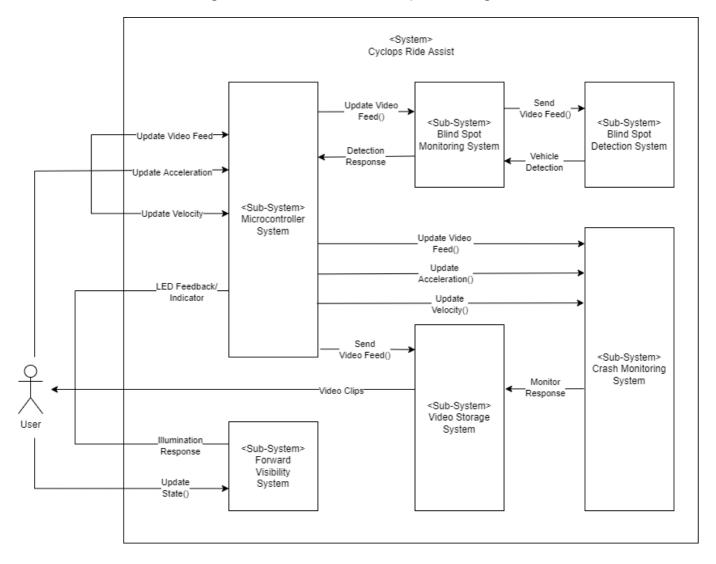
- 2. Introduction
- 3. Purpose
- 4. Scope
- 4.1. System Context

Figure 4.1.1: CRA System Context Diagram



5. Project Overview

Figure 5.1: CRA Functional Decomposition Diagram



- 6. System Variables
- 7. User Interfaces
- 8. Mechanical Hardware

- 9. Electrical Components
- 10. Communication Protocols
- 11. Software Modules
- 11.1. (MODULE 1 TITLE)
- 11.1.1. Module Secrets
- 11.1.2. Module Relationships
- 11.1.3. Likely Changes
- 11.1.4. Unlikely Changes
- 12. Timeline
- 13. Appendix
- 13.1. Reflection
- 13.1.1. Solution Limitations