## 1. Introduction

[Summary here]

- 1.1. Purpose
- 1.2. Scope
- 1.3. Definitions, Acronyms, and Abbreviations
- 1.4. References
- 1.5. Overview

## 2. General Description

[Overview]

- 2.1. Prototype Architecture (Hardware/Software)
  - 2.1.1. Provide and overview of the hardware and software used for the prototype
  - 2.1.2. Provide and descript the prototype MFCD
- 2.2. Prototype Features and Capabilities (include Prototype Feature Table)
- 2.3. Prototype Development Challenges
- 2.4. External Interfaces
- 3. Specification Requirements
  - 3.1. Functional Requirements
    - 3.1.1. Android Application
      - 3.1.1.1. Login
      - 3.1.1.2. Registration
      - 3.1.1.3. Reset Password
      - 3.1.1.4. Box Locator
      - 3.1.1.5. Furniture/Item Measurement

- 3.1.1.6. Load Plan
- 3.1.1.7. Logistics Planning
- 3.1.1.8. Move Inventory
- 3.1.1.9. Authentication
- 3.1.1.10. Expert Tips
- 3.1.1.11. Expert Articles
- 3.1.1.12. Feedback
- 3.1.2. Test Harness
  - 3.1.2.1. Sample Move Inventory
  - 3.1.2.2. Edge Cases
    - 3.1.2.2.1. Items Larger than Truck
    - 3.1.2.2.2. Extremely Heavy Objects
  - 3.1.2.3. New Truck Size
- 3.1.3. Web API
  - 3.1.3.1. Authentication
- 3.2. Performance Requirements
- 3.3. Assumptions and Constraints
- 3.4. Non-Functional Requirements
  - 3.4.1. Security
  - 3.4.2. Maintainability
  - 3.4.3. Reliability

## **Appendix**