**System Requirements Document**

Gamma Rocket Stars

CIS273 Spring 2023

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**1 Introduction**

This document outlines the system requirements of the GRS (Gamma Rocket Stars) Inventory Management System. This system will allow a grocery business to keep an accurate record of their inventory by using a database in conjunction with the system. The business is able to view their current inventory items, receive inventory items, and insert new inventory items into the database. They will also be able to print inventory restock reports which produce output showing which items are below the restock quantity, negative inventory reports which display all items having an inventory level less than zero, and inventory summary reports which display the number of inventory items along with the total quantity of those items and total costs of those items.

During the second phase of the system design, other features will be added to the GRS Inventory Management System. These features include storing customer information, creating customer orders, viewing past invoices, storing vendor information, and placing vendor orders. Overall, this system is planned to be designed as an inclusive business inventory and sales management system. It allows for quick transactions for many business requirements. A simple, intuitive design allows users navigate to the appropriate page to accomplish the required task.

**2 Data Flow Diagrams**

The data flow diagrams shown below represent the GRS Inventory Management System. These show how data is used and transformed within the system to produce useful information.

**2.1 Context Diagram**

A diagram of inventory system

Description automatically generated with medium confidence

**2.2 Diagram 0**

A picture containing diagram, text, plan, technical drawing

Description automatically generated

**2.3** **Diagram 1**

A diagram of a payment process

Description automatically generated with low confidence

**2.4 Diagram 2**

A picture containing text, diagram, plan, technical drawing

Description automatically generated

**3 Conclusion**

The GRS Inventory Management System will effectively reduce business expenses since it will be an inclusive inventory and sales tracking system. This one system will be able to manage day-to-day grocery business needs without the need for other integrated systems. Being able to easily track inventory levels and costs will reduce the possibility of errors and lost revenue.