

System Project - Database and Management

Chad E. Derrick

IUPUI

Table of Contents

Pg. 3 - Customer Problem Statements

Pg. 3 - System Requirements

Pg. 4 - Functional Requirements

Pg. 5 - System Sequence Diagram

Pg. 6 - Activity Diagram

Pg. 7 - Project Plan

Customer Problem Statements

Customers seek out an easy way to format and manage their databases, often spending excess amounts of resources and wasting time.

Managers seek a way to reliably log inventory, yet can have some problems in doing so, leading to lost productivity.

System Requirements

The system must be able to log inventory in a stocking situation.

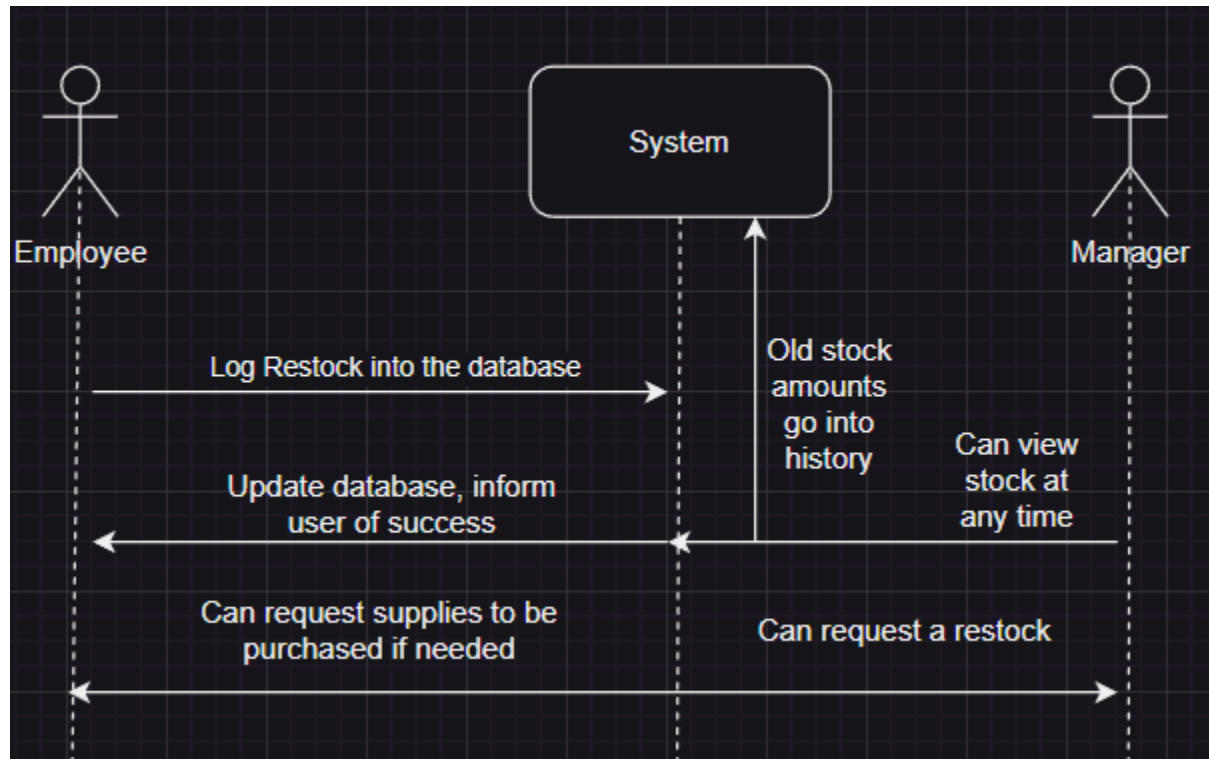
The system must be able to keep histories of restocks, price changes, and any other notable change within the system.

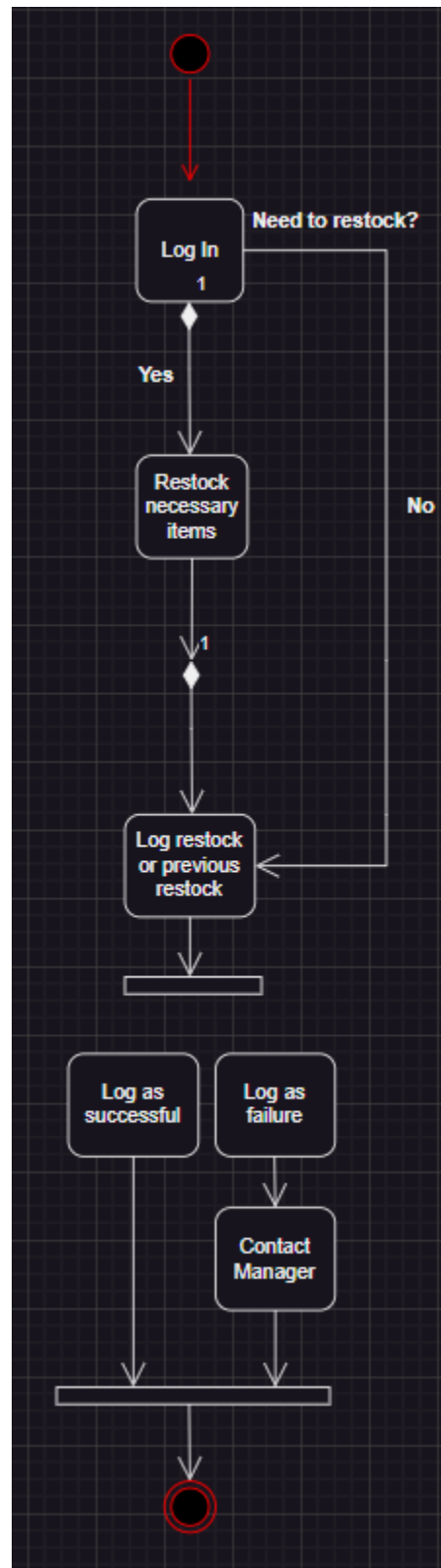
A manager must be able to view stock and stock history at any given time.

The system must be able to easily show an overview of stock history and price changes, as well as when they occurred.

Functional Requirements

No.	Priority Weight	Description
REQ-1	High	System must be able to log down all restocks.
REQ-2	Low	System can display low stock with differently colored text, such as orange or red.
REQ-3	High	The system will log down the history of every restock, price change, SKU change, or any other change that could occur with a product.
REQ-4	High	A manager will be able to view restock history at any given time, as well as when the restock was done (also including price change/SKU change, etc.)
REQ-5	High	An employee will be able to log restocks in reserve and/or on the shopping floor.
REQ-6	Med-Low	An employee will be able to tell why a restock may not match up (e.g. product expiring or breaking/being destroyed in reserve or on the sales floor)

System Sequence Diagram

Activity Diagram

Project Plan

I plan to continue working on the database over the coming weeks, adding features and tweaking things to work with any new triggers or variables I may add.