System Architecture and Analysis

Inventory Management System
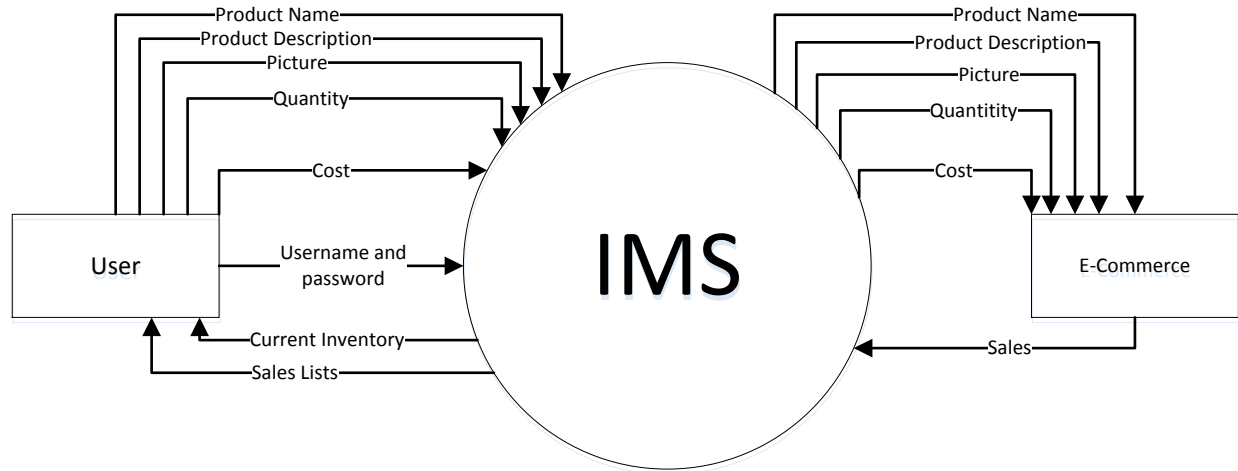
Authors: Bradley Griffee, Brian Sizemore, Mark Morrison

Table of Contents
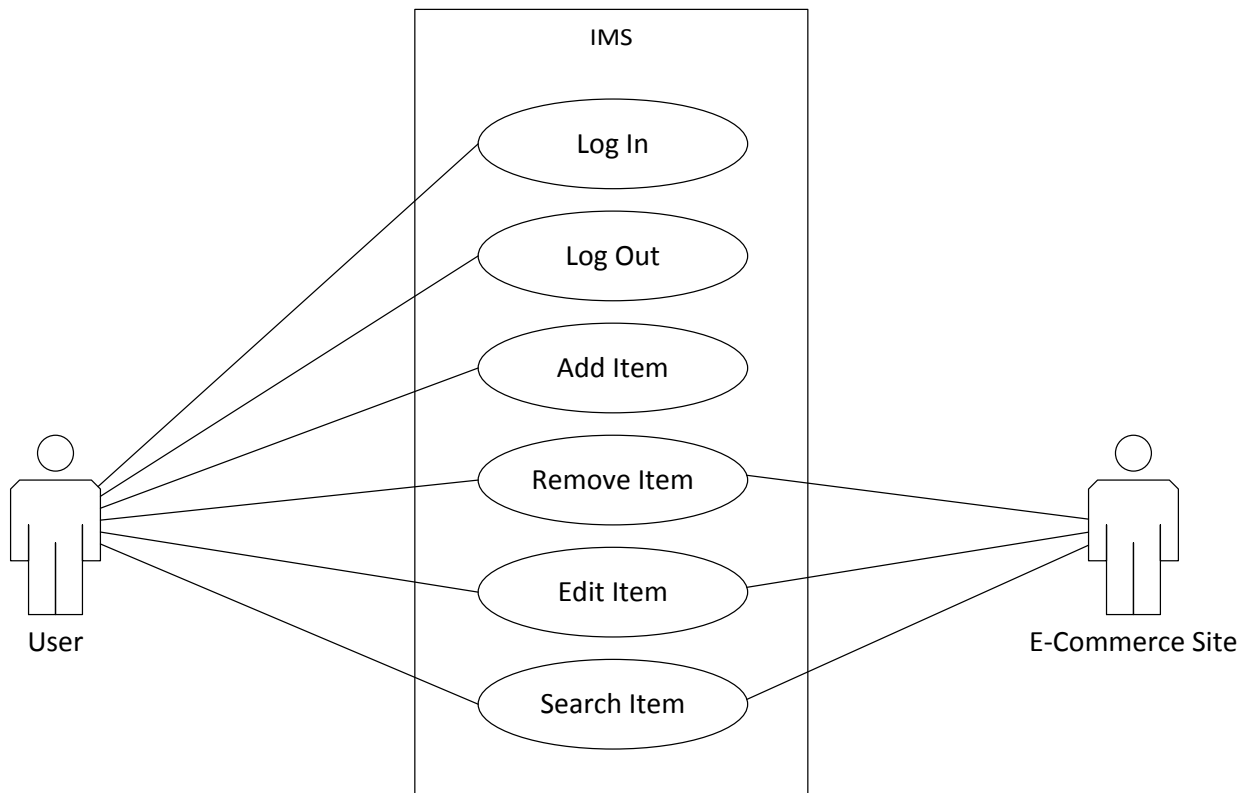
Design

Overall System Architecture

Use Cases

```
                          ┌─────────────────────────────┐
                          │            IMS              │
                          │                             │
                          │        ╭───────────╮        │
                          │        │   Log In  │        │
                          │        ╰───────────╯        │
                          │                             │
                          │        ╭───────────╮        │
                          │        │  Log Out  │        │
                          │        ╰───────────╯        │
                          │                             │
                          │        ╭───────────╮        │
                          │        │  Add Item │        │
                          │        ╰───────────╯        │
        ☺                 │        ╭───────────╮        │                 ☺
       User               │        │Remove Item│        │          E-Commerce Site
                          │        ╰───────────╯        │
                          │        ╭───────────╮        │
                          │        │  Edit Item│        │
                          │        ╰───────────╯        │
                          │        ╭───────────╮        │
                          │        │Search Item│        │
                          │        ╰───────────╯        │
                          └─────────────────────────────┘
```

User Interface Specification

Login

Login

Home

Add Item
Search Item
Select Item

Item Screen

Edit Item
Remove Item

Menu

Settings
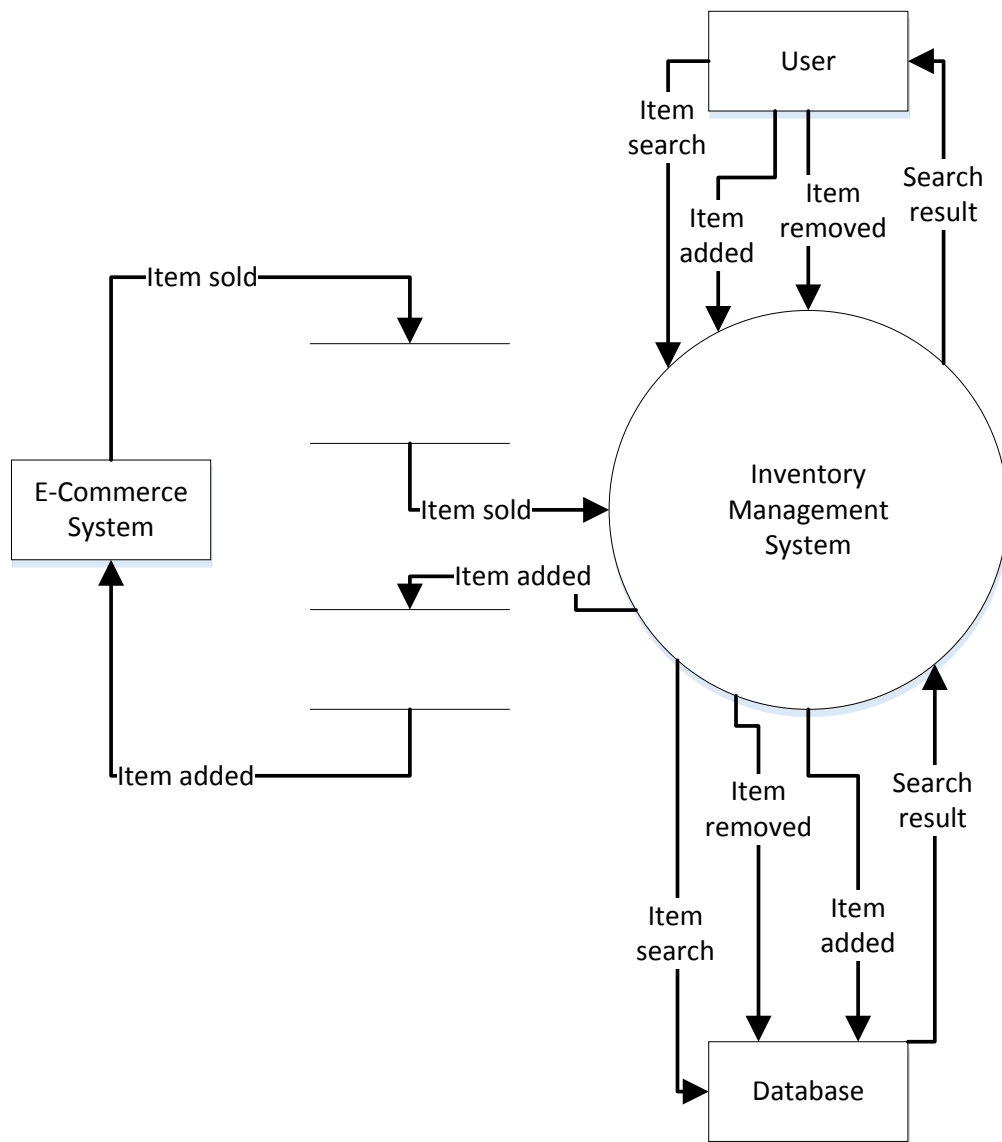My Account
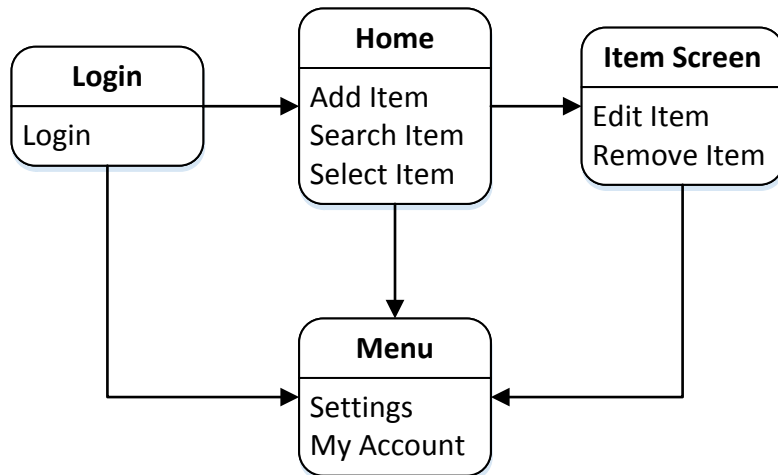
Dataflow

State Transition

Collaboration Diagram