Software Requirements Specification

For

Shopping Mall Management System

Prepared by,

ASHIQUE P RAJ

MCA A Batch AJCE

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❖ **Introduction**

➢ Purpose

Purpose of making this system is to provide more facilities to mall manager, sales operators and customers to get efficient business and time savings. Mall management is a well formulated concept which largely takes several activities that go into the maintenance of the mall. This project covers facilities management functions, operation management, accounts management and customer service. It is basically a combination of services that factor in people, place, processes and technology in a particular building or a mall.

➢ Project scope

This project scope defines three roles of users of the project, the manager, sales operators at the mall and the customers. The administrator is the manager of the mall. The Mall Management System aims at assisting the manager and other shop owners at a specific mall or building to performing managerial tasks, and easy tracking of their sales and ongoing transactions details.

❖ **Overall Description**

➢ Project Function

The Product focuses on mainly three classes of people:

- Mall Owners/Admin:

  o Login to Application.
  o Approve/Decline shop setup request.
  o Send Notifications to shop owners.
  o Maintain Guestbook
  o Query for Inventory details for various items at the mall.

- Shop Owners:

  o Login to Application.
  o Add/remove/sell items.
  o Discontinue shop.

- Customers:

    o   Details about the list of shops.
    o   Details about list of products available.
    o   Add/Remove items from shopping cart.
    o   Check total amount payable.
    o   Comments/Feedback for shopping experience

➢ Operation environment

This application is web based and will be used on any System with Internet connection.

❖ **External Interface Requirements**

➢ User Interface

The user interface contain mainly 4 fields :

- Home Screen:

    o   Mall admin menu.
    o   Shop owner menu.
    o   Customer menu.

- Mall admin options:

    o   Login
    o   Manage Shop creation request.
    o   Manage Guestbook.
    o   Query for Inventory details of any item.
    o   Update price.
    o   Send notifications.

- Shop owner options:

    o   Login.
    o   Setup Shop.
    o   Discontinue shop.
    o   Add/remove items.
    o   Send notification to admin.

- Customer options:

  - Login.
  - Check order details.
  - Add/view guestbook.
  - Browse items
  - Add to cart.
  - Cancel order before shipping.
  - Payment.

> Hardware Interface

Internet connection required on both client and server sides.
At least 2 GB storage space required at server side.

> Software Interface

Any OS can be used with the help of a browsing system.

> Communication Interface

For communication purpose this web application need a web browser or any android/iOS application with an internet connectivity.

❖ **System Features**

> Functional Requirements

This web application should maintain a record of this following information's:

- Items' Details:
  Click on an Item the application displays following information:
  - Item Name.
  - Specifications.
  - Quantity.
  - Price.
  - Shop Number.

- Shop owners' Details:
  To be accessible for Mall owner/admin.
  - Owner's Name.
  - Shop Number.
  - Contact details.
  - Lease period.

- Sales Statistics
  This application will support in printing the sales statistics for each and every items in the shopping mall and also deals with any particular day or particular period of time. The sale statistics indicate with quantity and price of the item sold with its profit.

➢ Back-up Functionality

The application should maintain a backup of the database to prevent losses due to server or internal errors.

❖ **Non-functional Requirements**

➢ Performance Requirements

- Product will based on the local database.
- The payment system is secured.
- Different databases for employees.
- Performance depends upon user hardware components.

➢ Safety and security

The system is secured that only the admin can access to all data. The system will use a secured POS system.

❖ **Verification**

- In the verification section we have checked all the above given requirements are present in the project.
- Also check all the functional and non-functional requirements are satisfied.
- Final product accomplished all the task for which the application was developed for.

❖ **Reference**

- Www.google.com
- Www.Sourcecodeonline.com
- Www.scrible.com