

e Book Shop

Scope definition phase

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1. Objective

Our main objective is -

- ✓ Digitalizing the bookshop management system.
- ✓ Making the job easier for book lovers.
- ✓ Realizing the problems and find out the drawbacks the system might have.
- ✓ Proposing an automated better performing system.

2. Existing System Analysis

2.1 Management System

- ❖ Shop owners collect books from different book publishers.
- ❖ They decorate all the books manually in the shop.
- ❖ Buyers roam around different shops to collect their desired books.
- ❖ Book dealers store the buying and selling documents manually.
- ❖ Communication between among the branches is done via mobile or hardly via e-mail.
- ❖ Staff management system is controlled manually.
- ❖ Currently we have such a system named PBS which is partially automated and has two branches only.

2.2 Problems

- ❖ Buyers have to face a lot of difficulties as the system is not automated.
- ❖ All types of book are not available in a single shop.
- ❖ No inventory system is used for storing book.
- ❖ As the business documents are kept in a register book and even in many cases cash memo is not provided, there remains a question about transparency.
- ❖ No data management system for the employees.
- ❖ Control of branches is not completely centralized.
- ❖ A person doesn't get enough information about newly published book.
- ❖ At the same time a bookshop can't provide advertisement of books.
- ❖ No online order system for a bookshop.
- ❖ Recently there are some websites like- <http://www.rokomari.com/> , <http://www.nilkhet.co/> providing better services.
- ❖ They are nothing but commercial websites.

- ❖ As they are not related with a unique shop, delivery cost is high.
- ❖ Collection and searching facilities are not satisfactory.

3. Introducing Scopes

- We are implementing this system for such a bookshop which has several branches around our country.
- Collection of books is rich and requires complex maintenance (e.g. books, stuffs, branches, users).

3.1 Portion we are implementing

Our system will have following subsystems-

- ✓ Administration
- ✓ Book Inventory
- ✓ Employee
- ✓ User

3.1.1 Administrative Subsystem

- ✓ Main functionality of Admin is to maintain and modify the whole database system.
- ✓ All other subsystems will be controlled by administration.
- ✓ Only technical personnel will handle this subsystem.

3.1.2 Book Inventory subsystem

- ✓ Books will be listed into some categories which will help both employee and user.
- ✓ A proper arrangement system will be very useful to find any books.
- ✓ At the same time, there will also have a list of available books at a particular branch.
- ✓ The placement of a book will be suggested according to category.

3.1.3 Employee subsystem

- ✓ As there are many branches, there are a lot of employee related to this system.
- ✓ Using this subsystem, we can easily categorize employee designation.
- ✓ Total working hour of each employee will be counted.

- ✓ At the same time, total monthly payment and bonus will be calculated automatically according to the designation.

3.1.4 User subsystem

- ✓ Every user will have a profile.
- ✓ Using this profile a user can easily find and order desired books.
- ✓ There will also have an option to give review to particular branch according to services.
- ✓ A user can suggest a book to another user if he/she likes.

3.2 Portion we are not implementing

3.2.1 Payment process

- ✓ Our transaction process is manual.
- ✓ As the opportunity of online payment is not wide in our country, we are not implementing it.
- ✓ We had a plan to sell pdf books (soft copy) through online. But we left it for insufficient opportunity of online payment gateway.

4. Worthiness of the system

This system is worth implementing. In our country such automated system is rare. So it may be a little difficult to make it familiar throughout the country.

5. Contribution or Benefits

We hope our system will contribute following benefits in this area-

- ✓ This system will help to run a large book shop very smoothly.
- ✓ Users can get their desired books without any harassment.
- ✓ Every deal will be fare.
- ✓ Efficient management of employee, books and branches.

6. Roadblocks we may face

While implementing this system we may face following roadblocks-

- ❖ As there is no such book shop, we cannot make survey, get any proper direction and practical knowledge.
- ❖ Faced problem with legal and smooth transaction system. So we can't make an automated payment system.

7. Our Counter proposal

We propose the following to solve the roadblocks-

- ✓ Our Government should make some arrangement for online payment like others country.
- ✓ Some famous publications should come forward to implement our system with their present setup.