Software Requirements Specification
for
Book Rent Platform Development System

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Contents

Revision History

currently we got no revision but in future if we got we will add here in the following table.

Revision	Date	Author(s)	Description
1.0	22.02.2020	A.Sohag	Chapter 2 - user-story

Chapter 1

Introduction

This is a proposal of development of a Book Rent System Management.Here all types of books will be stored.This management documentation contains high requirements, product vision and user stories, phase wise development outline and expectations. This management system will remain as a living document to be shared online collaboration to undergo phase wise changes as the product i.e

1.1 Purpose

This is a book rent system. We name it "BOIDHAR". This has been created to improve students and all kind of people who has interest in reading various books. In our country books are generally very high priced and most of the people can't afford to buy. So the reading interest is gradually decreasing and sometimes most of the people want to prefer pdf version. So it is affecting students as well as general people too.

1.2 Intended Audience

The main target of our system is the people who loves to read books. So we can say that students as well as general people of all ages will be our targeted audiences.

1.3 Intended Use

We like to use this platform as a online shop shop like "Rokomari.com" but as a rental system for books. people will rent books by using our platform and will get benefit all the way. that's our main goal.So all kind of people who are in a relation with books can easily use our platform for their own benefit.

1.4 Product Scope

In our country there is no other platform like this The closest platform with our product is "rokomari.com".But They only sell the book.they don't rent the book.so that our product have great scope in this field we have no competition.so if we complete our product then it will be great change to this space.

1.5   Risk Definition

There is no risk on this product

Chapter 2

Overall Description

2.1   user class and characteristics

1.user of this project include customer and staff
2.customer can be member or visitor who accessing system
3.staff who work as administrative and control overall system
4.User is the person who want to rent any Books.

2.2   User Needs/story

As a USER i want google sign-in to register and SEARCH option to find out books. and CASH ON Delivery
to pay system.
confirmation: 1.User need sign up option and sign in 2.for sign up user need fill input field name ,email,dob,phone
no. 3.user want google sign up api 4.user want cash on delivery option

As a USER i want a CART table where people will choose their favorite books.
confirmation: 1.user want cart option 2.delete form cart

As a USER i want BOOK REVIEW so that i can know about the books properly. i also want CATEGORIES
to find out the books easily.
confirmation: 1.user want to see the review of the book.so there need option to review about book. 2.user
want categories book to we need to categories book

As an ADMIN i want to TRACK ALL BOOKS and also want to use the CMS to upload the books easily.
confirmation: 1.we need to track all books. 2.we need CMS to easy admin use.

As a USER i want NOTIFICATION to the e-mail or phone to confirm the rental order and also ONLINE
PAYMENT SYSTEM for the cash on delivery.
confirmation: 1.user get information in phone message 2.user get information in email we need build this

As an INVESTOR i want to MONITOR total income so that i can understand the profit from site.
confirmation: 1.admin need some function which are help monitor total income,profit.

2.3   Operating Environment

The general website rents books features and it is 100 percent open source, no programming skill needed, free
access to product updates, and will work on windows, UNIX and LINUX platform.

2.4   Constraints

2.5   Assumptions

Renting your textbooks is a great way to cut your textbook expenses without compromising your educational experience. Also, you won't have to worry about selling your books back at the end of the semester as long as you remember to return them before the deadline.

Chapter 3

Requirements

There are some requirement's for our users:
1. Account management from admin side
2.Transaction history for users
3.Profile management
4.Prepare email templates by admin
5.google sign option
6.Search option
7.Cash on delivery
8.User Registration
9.User Login
10.Check the details about us
11.Contact to Admin
12.Add/Remove book to Cart

3.1   Functional Requirements

a. View all available rental book

b. Connects with the database through la ravel to book all book objects and display them accordingly
c. Search for desired book

d. A search bar will be implemented on the website that will search the site based on the input
e. Select their desired rental book

f. A button will be displayed under the rental book previews that will allow for the selection
g. Allow for registration

h. registration display form

i. Allow the customer to log in

j. log in display form
k. Allow administrators to change what book are available for rent
l. Administrators will log in through the log in display form such as customers would, but would have a different looking interface to allow for them to add and remove options.

m. Allow for rent cancellation by customer

n. Only for users who are registered, there were be a cancel button on the display page that shows all rents present by customer

o. Allow the user select and provide a payment type

p. Display form - with options for typical card information - type, number, code on back, month, year etc.

q. Authenticate any user logging in

r. communicates with the database to verify the inputted username and password is correct

s. Authenticate any form of payment

t. communicates with verifies to confirm the input information on the card is correct

u. Calculate tax rates, customer totals

v. algorithms implemented within the code that will calculate all totals 'behind the scenes'

w. Send an email to verify a registration

x. Once a customer registers and click the complete registration button, an email will be sent to the email the customer provided, provided a link in the email that will allow for a verification that this is the said-customer.

y. Display a transaction summary / email a summary

z. after customer submits their payment and it is confirmed client-side, a transaction summary will display on the website and a copy will be emailed to the customer

z1. Select date of desired delivery (choose delivery destination), or date of planned pick- up at nearest store location

z2. Calendar options will be displayed that will allow the user to select directly on the calendars - if they want it as soon as possible, there will be a checkbox for that option

z3. Select length of rental and planned drop-off date

z4. Calendar options as well

z5. Store customer information in the database

z6. When registering, the customer will provide their information in the form - this information will be sent securely sent and stored in the database

z7. Allow company workers to open and view customer information

z8. navigation option that will allow for search of customer by name or rental book

z9. implementation of search bar

z10. Track customer payments

z11. displays with the customer's information

z12. Keep and display available rental book records (for damages purposes and such)

z13. Searching and viewing much like with customers

3.2 Non Functional Requirements

Performance Requirements:

a1. Ability to maintain mass amount of customers on the website at once without crashing

a2. Speedy performance / transmission of data

a3.send any emails immediately

a4. Being logged in should allow for customers to quickly make payments without reentering information, and allow for any potential registered perks the company may have

a5.Have a quick recovery time if anything were to go wrong

a6. Display accurately and efficiently on all devices (responsive view)

Security Requirements:

a6. Secure any transmissions of private information between the customer and the company

a5. Prevent any potential threats such as SQL injections through the forms or search boxes.

a4. Prevent third party users at administration level

a3. Verify website security certificates (that lock in the address bar)

a2. Prevent false information from being used as payment

a1. Prevent false email inputs from being used when registering

Quality Attributes:

a5. Maintain a user friendly environment that is visually appealing

a4. Easy to see and use navigation

a3. Maintain readable content

a2. Searching books should be accessible to people who are and are not logged in.

a1. Selecting and making a payment should be available to customers who are and are not logged in

Appendices

Appendix A

Glossary