Software Requirements Specification
for
Boi-Koi, an Online Book Shop

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Chapter 1

Introduction

1.1 Purpose

Boi-Koi is an online based book shop where the main objective is to manage details of various Books, Customers, Payment Method, Delivery, Bills. It manages all the information about what customers need and want. The project is built at administrative end and also from user side.The purpose of this project is to develop an web application program to easily manage the manual work for the customers.It tracks all the details about the Order History, Payment, Delivery, Bills.

1.2 Intended Audience

1.There are mainly three basic users – Anonymous, Registered Members(customers) and Administrator.
2.The customer, through the process of account creation, will have the option to become a registered member of the site.
3.The system will allow customers to search, view, select and add books to a shopping cart. They can also choose the payment method.
4.Admin has the authority to add/delete users, grant permission to members and users to purchase books and give information regarding book purchase transaction and delivery .

1.3 Intended Use

This project is an online book store management system and the system control access is restricted within Administration. The users can only use this web application for online book shopping purpose . Web developers, admin and testers will read user story thoroughly to understand the needs of the users' pain point and functional requirements from section 3 which are already used for the web application. Users will read the section 2 for the assumptions to know what facilities the web application will provide them and how the features work.

1.4 Product Scope

The software system being produced is called "Boi Koi". The "Boi Koi" is a web application for the general people who do not have enough time to visit book stores to buy books. Unlike Rokomari.com, Online Book Store allows users to rent books, pre order books, make an emergency order and track the order. The Online Book Store System will allow any user to create an account to become a registered customer. The customer

can edit their profile later. The system will allow customers to browse, search books by different categories. The customers are allowed to purchase, rent and preorder books .After selection, the customer can add books into a cart, remove books from the cart and make payment. The customer can cancel order, track order,make a wish-list and rate books also. Then, provide the books books in their shopping cart, check out books in the shopping cart and decrements the stock of books.The admin will have the authority to track ,control ,confirm all orders.

1.5   Risk Definition

The web application may have two types of risk.
i)Internal risk that is with in the control of Admin.
-application may crash because of the browser incompatibility and bugs that we may or may not have an idea.
-security beaching
-server down
-database connection lost
-database file corruption
ii)External risk that is beyond in the control of Admin.
-order delivery problem
-product out of stock
-transportation problem

Chapter 2

Overall Description

2.1   User Classes and Characteristics

Admin: Admin has the authority to

1.Grant/delete registered members

2.View profiles

3.Add Books to the system

Customers: Registered members can

1.Have their own profiles.

2.Access all the functionalities provided on the website.

Non-members: can visit the pages of our website

2.2   User Needs

1.User can view the pages of our online bookstore system.

2.Users can add books in cart and also remove items from cart if they need to.

3.Users can also use promo code for special discount.

4.In our system users can also cancel order before delivery.

5.If a book is not available in our system then the user can preorder the book.

6.We also include a unique function to rent books. As many readers does not like to buy all the books but enjoy reading they can take rent books from our system.

7.Users can Track order and view the updates of the order.

2.3   Operating Environment

This is a Web Based application and it runs on all types of devices. User of any operating systems can access the web app as this app is independent of any operating system. User needs a browser to access the app and internet connection to view content or interact of this app.

2.4   Constraints

Time constraints: We have limited amount of time to build the web app.
Human constraint: We are a group of four people. So we need to work hard and give more time if we are to complete the project in time.
Knowledge constraint: We do not know everything to build the project. So a large number of our time will be spent on the learning process.
Technological constraint: We are bound by the constraints based on the tools we use(i.e. programming language).

2.5   Assumptions

As this application can run on any smart devices, we assume that our users have capability to use smart devices (smartphone, personal computer etc). Also internet connection is needed as the features of the web application requires the connection of internet. We assume that user can access internet. We also assume the fact that user is wise enough to interact with the application

Chapter 3

Requirements

3.1 Functional Requirements

1.Registration: User should be able to register.
User Story:
As a customer, I want to create an account so that I can become a verified member.

Confirmation:
•Success-
-a)" All information was received"
-b)" Account created successfully"
•Failure-
-a)" You have not given all the information that is needed"
-b)" Service is Unavailable-please try again later"
-c) "Your contact info is not valid"

2.Log in: User should be able to log in.
User Story:
As a customer/admin , I want to log in to the system so that I can have access to the system.

Confirmation:
•Success-
-a) " Username and Password is correct"
-b)" Successfully logged in"
•Failure-
-a)" Username and Password is invalid"
-b)" Service is Unavailable-please try again later"
-c) "You are not a registered member, please register first "

3.View Books: User should be able to view books by category /ratings.

User Story:
As a customer , I want to view books by category /ratings.

Confirmation:
•Success-
-a) will display books by category(i.e. best sellers, recent, discounted etc).
•Failure-
-a)" Homepage is empty"
-b)" Service is Unavailable-please try again later"

4. Search: User should be able to search books and filter out the search (by Book name/writer/category).
User Story:

As a customer , I want to search books by Book name/writer/category so that I can select the books.

Confirmation:
•Success-
-a) " Successfully found the book"
•Failure-
-a)" book not found"
-b)" Service is Unavailable-please try again later"
-c) "category/book name /writer is not valid "

5.Cart: User should be able to add,view,update cart.
User Story 1: As a customer I want to add books in my cart.
Confirmation:
•Success-Customer added product and refer to payment.
-a) "Your product added successfully"
•Failure- display massage:
-a)"You have not registered yet"
-b)"Service is unavailable-please try again later"
-c) "No product added"

User story 2: As a user I want remove books from by cart.
Confirmation:
•Success-Customer can remove product from the cart.
-a)"Your product removed successfully"
•Failure- display massage:
-a)"Book not found"
-b)"Service is Unavailable-please try again later"
-c) "No product added"

User story 3: As a customer I want to view books list in my cart ,so that I can check my book list.
Confirmation:
•Success-Registered user added product and refer to payment.
-a)"Your product added successfully"
•Failure- display massage:
-a)"You have not registered yet"
-b)"Service is Unavailable-please try again later"
-c) "No product added"

User story 4: As a customer I want to update amount of books, add promo codes etc. in my cart.
Confirmation:
•Success-Registered user added product and refer to payment.
-a)"Your cart has been updated"
•Failure- display massage:
-a)"You have not registered yet"
-b)"Service is Unavailable-please try again later"
-c) "No product added"

6.Rent books: User should be able to rent books and return books

User Story 1:As a user I want to rent a book
Confirmation:
•Success-
-a) "All information was received"
-b)" the book will be delivered soon"
•Failure-
-a)" You have not given all the information that is needed"
-b)" Service is Unavailable to give books rent now -please try again later"

User Story 2:As a user I want to return a rented book.
Confirmation:

•Success-

-" the book has been returned"

•Failure-

-a)" You have not returned the book yet"

-b)" Service is Unavailable to give books rent now -please try again later"

7.Payment: User should be able to confirm order.

User Story:

Confirm Order: As a customer ,I want to select payment method, so that, I can buy my books.

Confirmation:

•Success-Registered user can select payment method and refer to track order.

-a)" Payment method selected successfully. BKash no is-XXXXXXXXXXX ".

-b)" Payment method selected successfully. Your parent method is Cash on delivery".

-c)"Add a coupon code"

-d)"Please check your order delivery address"-view delivery address

2.Failure -display massage:

-a)"Service is unavailable-please try again later"

-b) "Your cart is empty".

8.Orders:

User can see details of their orders.

User story 1 : As a user I want to see the status of my orders.

Confirmation:

1)Success-

a) Users can see the dates, status (tracking i.e. delivered,pending,canceled etc).

Failure-

a) Empty- users can see a message when they have no previous orders - "You haven't purchased anything from us".

b) Users can see a message "Error occurred, please try again later."

User story 2 :As a user I want to cancel my order.

Confirmation:

1) user can cancel their order if not delivered

-a)" Order canceled successfully"

2.Failure -display massage:

-a)" Service is Unavailable-please try again later"

-b) "Your cart is empty".

User story 3 : As a user I want to see total payment for my order.

Confirmation:

1) user can see the total payable/paid(depends on cash on delivery or online payment) amount order if not delivered.

-a)" Order canceled successfully"

-b)"

2.Failure -display massage:

-a)" Service is Unavailable-please try again later"

-b) "Your cart is empty".

User story 4 :As a user I want to see my previous order.

Confirmation:

user can see details of their previous orders(dates, total, amount etc).

-a)" Order canceled successfully"

-b)"

Failure

-b)In case of no previous orders user will see the message "you haven't purchased anything from us yet"

-a)display massage:

"Something went wrong, please try again later"

9.Wishlist:

User can add product in their wishlist, update the wishlist.

<u>User story 1:</u>
As a user I want to add products in wishlist, so that I can see, buy them later on.
Confirmation:
1)Success-
a) Users can see the books they marked in wishlist.
b) User can see details of the book,remove and purchase from here.

2) Failure-
a)Empty, a message will be displayed "You have no product in wishlist"
b)In case of server error, a message will be displayed "Error occurred, can not access wishlist, please try again later "

<u>User story 2:</u> As a user I want to remove products from the wishlist .
Confirmation:
1)Success-
a) Users can see the books they marked in wishlist.
b) User can see details of the book,remove and purchase from here.
2) Failure-
a)Empty, a message will be displayed "You have no product in wishlist"
b)In case of server error, a message will be displayed "Error occurred, can not access wishlist, please try again later "

10.Update profile: User should be able to update his/her profile.
<u>User Story 1:</u>
As a user, I want to update my address.
Confirmation:
1)Success-
-a) " All information was received"
-b)" Account updated successfully"
2.Failure-
-a)" You have not given all the information that is needed"
-b)" Service is Unavailable-please try again later"
-c) "Your contact info is not valid"
<u>User Story 2:</u>As a user, I want to update my billing method.
Confirmation:
1)Success-
-a)"All information was received"
-b)"Account updated successfully"
2.Failure-
-a)"You have not given all the information that is needed"
-b)"Service is Unavailable-please try again later"
-c)"Your contact info is not valid"

11.Rate and comments: User should be able to rate and comment about their orders.
<u>User Story:</u>As a customer I want to rate the books.
1. The reader can through a comment on a book and also can rate the book from 1 to 5.
2. The reader can comment on our system for any kind of help.
3. The high rated books will be featured in our system.
4. Different types of readers can get varieties of opinions about a book and also share their own opinion.
Confirmation:
1)Success-
-a) "Your comment has been successfully passed"
2)Failure-
-a) "please comment again"

12.Anonymous profile: User should be able to keep his/her profile anonymous.
User Story:
As a customer, I want to decide whether I can keep my profile hidden or not so that I can ensure the safety of my personal data.
Confirmation:
1)Success-
-a)display a message "Your status has been updated "

2.Failure-
-a)" You have not given all the information that is needed"
-b) " Service is Unavailable-please try again later"
-c)"Your contact info is not valid"

13.Premium User: Users can get extra benefits(i.e. coupon codes, discount, giveaways) when they purchase a minimum amount of books by earning some bonus points
User story:
As a premium user ,I want to get some extra benefits.
Confirmation:
1)Success-
-a)"You have successfully become a premium user"
-b)"You have got a promo code"
2.Failure-
-a)"You have not spent the minimum amount to become a premium user yet".
-b)" Service is Unavailable-please try again later"

14.Logout (user, admin): User admin should be able to log out from the system.
User Story:
As a customer/admin, I want to logout from the system.
Confirmation:
1)Success-
-a) " You are successfully logged out from the system"
2.Failure-
-a)"there is a problem in this logout process, please verify your email ".

3.2   Non Functional Requirements

1. User should be able to get delivery within a reasonable time.
2. Users should be safe and protected.
3. Unwanted access in the system should be restricted.
4. Responsive design should be implemented.
5. Design should be simple and easy so that users can understand what is going on in the page.
6. Users should be able to pay through some popular payable methods.
7. User should be able to understand the use of the system easily.
8. This system should be compatible with different popular sites.
9. Error message should be displayed in a simple way.