



Software Engineering Laboratory

Online Book Store System Project Vision

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Prudentia	
Vision	Date: <13/03/2020>

Prudentia Vision

1. Introduction

This document is about the project vision of Online Book Store System. This document includes below the followings:

- Problem Statement
- Stakeholders
- Requirement Analysis
- Projects steps and priorities

2. Positioning

2.1 Problem Statement

The problem of	<i>Online book store</i>
affects	<i>Seller and buyers</i>
the impact of which is	<i>Minimizing the difficulties a customer faces while purchasing the product</i>
successful solution would be	<i>Well designed, maintainable, easy-to-use online bookstore web application</i>

2.2 Product Position Statement

For	<i>Book Seekers</i>
Who	<i>Wants buy a book with love without moving from PC to anywhere</i>
The (Prudentia)	<i>Is a application with Web 2.0 technology</i>
That	<i>Finding wanted products quickly and easy to make comparison between the products</i>
Unlike	<i>Bookstores that must be visited for refund a product</i>
Our product	<i>By using advanced SQL queries with optimization , quickly takes data from the database and shows them. Thus , Humans don't have to wait for data fetching for a long time.</i>

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3. Stakeholder Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
<i>Software Developer</i>	<i>Interested in coding and implementation of the software part of the system</i>	<i>Researching, designing, implementing and managing software program , maintaining and upgrading existing system</i>
<i>Software Project Manager</i>	<i>Organizing and motivating a project team</i>	<i>Activity and resource planning , controlling time management</i>
<i>Software Tester</i>	<i>Checks system for different cases to ensure that system works fine</i>	<i>Testing software for bugs, errors, defects or any problem that can affect the performance of the system and creating different test cases</i>
<i>Software Analyst</i>	<i>The seam between the software users and the software developers</i>	<i>Requirement gathering and specification documents</i>
<i>Software Architect</i>	<i>Decides about what technologies are used and determines code principles</i>	<i>Giving some advice and guiding to software developers through development</i>
<i>Software Configuration Manager</i>	<i>Decides how to change/evolve project and keeps track of project versions</i>	<i>Keep track of the versions. Decides which one released or which one better to pass competitors. Also, must merge program components to create an executable system.</i>
<i>Admin (Seller)</i>	<i>Person who try to sell his books</i>	<i>adding/deleting/updating products, updating stocks, managing users and transactions, making discounts</i>
<i>User</i>	<i>Person who search and buy books</i>	<i>Add books to the bucket and make a purchase by selecting a shipment type , also can manage its account.</i>
<i>Guest</i>	<i>Person who just search books</i>	<i>Searching and filtering products. Can see product details</i>

3.2 User Environment

We will use Java Spring Boot for getting, posting, deleting and updating processes on database. The reason that we choose to use Java Spring Boot is that it has lots of documents on the internet and its easier to develop with this framework. Backend and Frontend will communicate each other via HTTP Request, Firstly we send request to our web services which have been running on a local or remote server, after backend partition retrieve that request, it will process the incoming json data and response with HTTP Status Codes. The frontend partition, we chose to use React-JS with Laravel and Ant design. Ant design is one of the best modules that serve you ready to use React-JS components. The estimated time period reduces effectively via that module.

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Tasks	# of people that'll work	Estimated Time (Hours)
Creating new account	2	2.5 (per people)
Entering to system	2	2.5 (per people)
Exiting from system	2	2.5 (per people)
Recover password	2	2.5 (per people)
Remove product from basket	1	2
List products in user's basket	1	1
Update basket	1	2
Pay whole basket	2	2 (per people)
Reduce some products prices	1	2
Delete account and account's records	2	1 (per people)
Change password in account	1	2
Change Information about user itself	1	1
Add delivery address	1	2
Show whole delivery addresses	1	2
Change delivery information in address record	2	2 (per people)
Delete a delivery address	1	2
Show all orders	1	2
Show detailed order situation	1	2
Cancel order and demand refund	2	3 (per people)
Return product to seller and demand refund	2	3 (per people)
In 15 days make comment about a purchased product	1	2
In 15 days, rate about a purchased product	1	2
Make daily events	3	3.5 (per people)
Add product/s to basket	2	1 (per people)
Look for a product/s	1	1
Divide products into categories	2	1 (per people)
Advanced search system	2	4 (per people)
Show all comment/s about a product	1	2
Show rate about product	1	1
Add new book to system	1	1
Change details about a book	1	1
Add New category and categorize again	1	1

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Remove book from system	1	1
Show all orders	1	1
Look for an/a order/s	1	1
Show details about an order like process information	1	1
Change orders process information add/delete/update	1	1
Delete comment	1	1
Show graphs about system	5	2 (per people)

4. Product Overview

4.1 Needs and Features

Priority chart = 1-5 (low to high)

Need	Priority	Features	Planned Release
Register	5	Creating new account	Release 1
Login	5	Entering to system	Release 1
Log-out	5	Exiting from system	Release 1
Forgot pass	5	Recover password	Release 1
Delete product from basket	4	Remove product from basket	Release 1
List basket	4	List products in user's basket	Release 1
Update basket	5		Release 1
Payment	5	Pay whole basket	Release 1
Discount	2	Reduce some products prices	Release 2
Delete account	2	Delete account and account's records	Release 2
Update pass	4	Change password in account	Release 1
Update personal info	4	Change Information about user itself	Release 1
Add Address	4	Add delivery address	Release 1
List Address	4	Show whole delivery addresses	Release 1
Update Address	4	Change delivery information in address record	Release 1
Delete address	3	Delete a delivery address	Release 2
List Order	4	Show all orders	Release 1
Track Order	4	Show detailed order situation	Release 1
Cancel Order	4	Cancel order and demand refund	Release 1
Return Order	3	Return product to seller and demand refund	Release 2

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Make Comment To Old Order	3	15 days make comment about a purchased product	Release 2
Rate The Product	3	In 15 days, rate about a purchased product	Release 2
Daily Discount	2	Make daily events	Release 2
Add Product (to basket)	4	Add product/s to basket	Release 1
Search Product	5	Look for a product/s	Release 1
Categorization	4	Divide products into categories	Release 1
Filtering System	4	Advanced search system	Release 1
List Comments About product	3	Show all comment/s about a product	Release 2
Show rate about product	3	Show rate about product	Release 2
Add New Product (to system)	5	Add new book to system	Release 1
Update product (in system)	4	Change details about a book	Release 1
Add Category	4	Add New category and categorize again	Release 1
Delete Selling Product	4	Remove book from system	Release 1
List All Orders	3	Show all orders	Release 2
Search Order	4	Look for an/a order/s	Release 1
Order Detail	3	Show details about an order like process information	Release 2
Update Order	4	Change orders process information add/delete/update	Release 1
Delete Comment	2	Delete comment	Release 2
Dashboard	1	Show graphs about system	Release 2

5. Other Product Requirements

Requirement	Priority	Planned Release
Stable architecture	5	Release 1
Customer Friendly interfaces	4	Release 1
Determined response time constraints must be satisfy	5	Release 1