HACETTEPE UNIVERSITY

BBM384

SOFTWARE ENGINEERING LABORATORY

#DEL 1

Software Vision Document

Patates

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Patates
Vision

1. Introduction

The main purpose of the project vision is defining the problem, analyzing necessities and characteristic to develop online book e-commerce system. The online book e-commerce system that is to be developed is a mobile application that let customers register and log in, search books, add books to cart and purchase books that are added to cart.

2. Positioning

2.1 Problem Statement

The problem of	It takes time to go bookstores, find what you are looking for, wait for a cash desk. Also, you have the possibility of not finding what you are looking for.
affects	- admin - customers
the impact of which is	Interaction between customers and products are more efficient.
a successful solution would be	A mobile app that customers can easily buy variety of books

2.2 Product Position Statement

For	- customers
Who	- wants to buy books, magazines at any time
The (online bookstore system)	is a simple mobile application
That	user-friendly, ease-to-use, secure, large scale of books
Unlike	physical bookstores and shopping centers
Our product	is easy to use with elegant interfaces, fast & fluent animations, lightweight, and effortless shopping chance.

3.   Stakeholder Descriptions

3.1   Stakeholder Summary

Name	Description	Responsibilities
Customer	The customer is a user that has permissions to if the customer has account view	• Add books to cart • Buy the books • Select payment methods • Query stock state
Guest	Guest is a user that doesn't have the account, potential customer	• Can see books • Not allowed to buy it without register
Administrator	Admin is the controller of the online book shopping system.	• Authority to approve • Reject a request for new books • Control customer actions
Software Project Manager	During the project process, manage all stages, people and products. Provides Communication between customer and team, determine task for other developers.	• Planning • Setting goals • Time managements • Budget allocation
Software Analyst	Analysis given data and prepares software requirements of specification documents.	• Performing complex analyzes • Designing and programming to meet requirements • Defining specifications
Software Architect	Software expert who makes high-level design choices and dictates technical standards	• Evaluates and recommends tools and technologies • Designs, develops and executes software solutions to address business issues.
Software Configuration Manager	Provides the overall configuration management infrastructure and environment to the product development team.	• Writes the configuration management plan • Reports progress statistics based on change requests.
Software Tester	Tests software for bugs, errors or any problem that can affect the performance of the software.	• Sets up and executes the tests • Analyzes and recovers from execution errors
Developer	People who design and concerned with the software development process.	• Develops the software depending on the requirements

3.2 User Environment

There are 3 different user types. These are the customers, admins, and guests. Guest users can only view products but can't buy any products without register. In order to buy any products, guests should login to the application. Customers can view and buy products, in order to buy any products, customers should add selected products to their shopping cart. Admins can add and update products. Our application will be integrated with payment applications such as Credit Card Payment Service, PayPal using their APIs.

This software is a mobile-based system, so the customer can reach the software from all the Android phones provided platforms. Today, mobile and web platforms are often used, and our future plans include adding web platform to our project.

4. Product Overview

4.1 Needs and Features

Need	Priority	Features	Planned Release
Users must be login and register to the system.	High	Login and register system	Release 1
Administration system to manage books	High	Admins can add, delete, update the books and categories	Release 1
Admin can manage accounts.	Medium	Manage Accounts	Release 2
Users can add books to shopping cart.	High	Add books to cart	Release 2
Enable users can buy for the books they are looking for.	High	Buying books	Release 2
Enable users can filtering for the books they are looking for.	Medium	Filter Books	Release 3
Enable users can search for the books they are looking for.	Medium	Searching Books	Release 3
Customers can rate books	Medium	Rate Books	Release 4
Customers can add books to their wish list	Low	Wish List	Release 4

Highlighting best seller books in the home page	Low	The best seller books are offered in the home page	Release 4
Manage Payment Module	Medium	Manage Payment Module	Release 5
Manage Shipping Fulfillments	Medium	Manage Shipping Fulfillments	Release 5
Email notification to the users	Low	Customers are informed with promotions and orders	Release 6
Language selection for the app	Low	The customers can change language of the app as they prefer	Release 6

5.   Other Product Requirements

Requirement	Priority	Planned Release
User friendly interface	Medium	Release 3
Secure system	Medium	Release 7
Performance and Crash Management	Medium	Release 7
Guide contains help instructions for users about system usage	Medium	Release 7