

Online Shopping System (OSS)	Group 14
Vision	Date: 13/03/2019

Online Shopping System (OSS) Vision

1. Introduction

With the development of technology, many systems that are used offline have started to become traceable online systems. These days, people mostly using their mobile phones for getting information. So, we decided to do a mobile application for online shopping. Our application will provide convenience for both users, customers and system admin.

2. Positioning

Online Shopping System register, payment, chart systems.

2.1 Problem Statement

The problem of	User cannot login and logout easily. When they want to buy something they must go out or wait for opening hour for shops. User cannot look all options for what they look for. Shop owners can't arrange their trade and advertisement.
affects	Customers, Shop Owners, Admins
the impact of which is	After using this application, customers can login this system and doing shopping easily. They can look for all options what they look for buy. Customers or Users can pay on this system easily.
a successful solution would be	Before anything else project should designe well and requirements identified. After that application should be developed as flexible and changeable due to the possible future requests. In the end, application should be tested carefully.

2.2 Product Position Statement

For	Customers, people who wants to do shopping online
Who	Branch Managers and Customers, wants online shopping without effort.
The (product name)	Los Angara Shopping App
That	This application should be used because it makes easier whole shopping things. Users and owners don't need to spend extra time for shopping.
Unlike	Our primary alternative is web-based shopping systems. But in future we can implement this system to web with using same database.
Our product	The most distinctive part of our product is mobile usability. Nowadays, almost everybody has a smartphone, our accessibility is much higher.

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3. Stakeholder Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Software Project Manager	The project manager distributes the duties and coordinates communication each stakeholder and generally keeps the project team focused on the right goal.	<ul style="list-style-type: none"> • Planning • Setting goals • Time Management • Budget Allocation and Cost Estimates • Implementation and Monitoring
Software Tester	A software tester is an individual that tests software for bugs, errors, defects or any problem that can affect the performance of computer software or an application.	<ul style="list-style-type: none"> • Identifying the most appropriate implementation approach for a given test • Implementing individual tests • Setting up and executing the tests • Logging outcomes and verifying test execution • Analyzing and recovering from execution errors
Software Architect	A software architect is a software expert who makes high-level design choices and dictates technical standards, including software coding standards, tools, and platforms.	<ul style="list-style-type: none"> • Design, develop and execute software solutions to address business issues • Evaluate and recommend tools, technologies, and processes to ensure the highest quality product platform • Interpret business requirements to articulate the business needs to be addressed • Troubleshoot code level problems quickly and efficiently
Software Configuration Manager	The configuration manager provides the overall Configuration Management (CM) infrastructure and environment to the product development team.	<ul style="list-style-type: none"> • Supporting the product development activity • Writing the CM Plan and reporting progress statistics based on change requests
Software Analyst	In a software development team, a software analyst is the person who studies the software application domain, prepares software requirements, and specification documents. The software analyst is the seam	<ul style="list-style-type: none"> • Performing complex analysis, designing and programming to meet business requirements • Maintaining, managing and modifying all software systems and applications • Developing, maintaining and managing systems, software tools, and applications

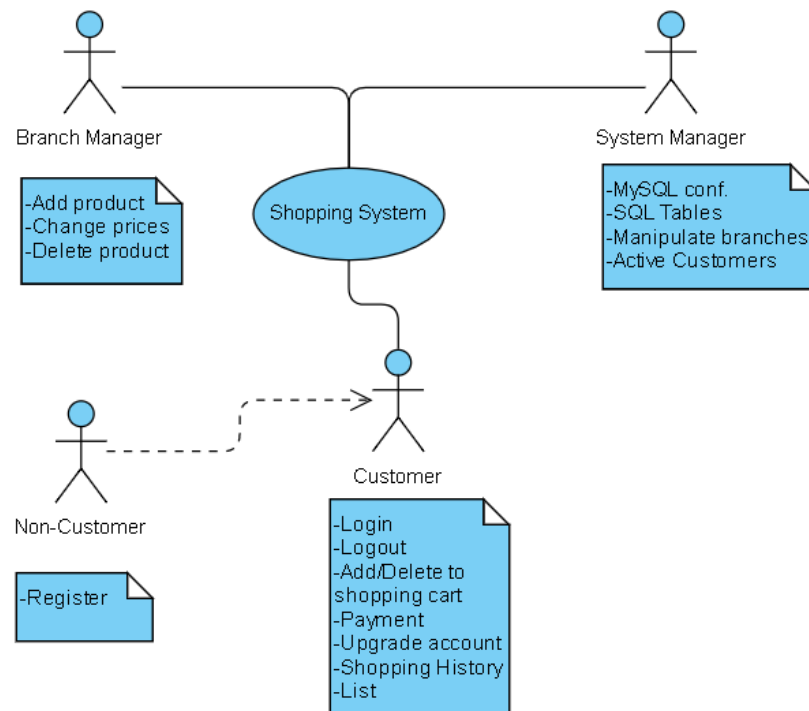
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Name	Description	Responsibilities
	between the software users and the software developers.	<ul style="list-style-type: none"> • Coordinating and supporting software professionals in installing and analyzing applications and tools • Analyzing, developing and implementing testing procedures, programming, and documentation • Analyzing, designing and developing modifications and changes to existing systems to enhance performance
Branch Manager	Who wants to sell own products.	Responsible for add new products and remove products that out of stock. Control their stocks and status of products. Change product prices.
Non-Register Customer	Who wants to view and search products.	Can register and traverse on the application.
Registered Customer	Who wants to view, search and buy products.	Can view and search products, add/remove products to shopping cart, can manage their accounts and buy products that are in the cart.
System Manager	System administrator	Can see customers/branches details and shopping history. Manage services and branches. Can send notification to users.
Software Developer	Who develop and implement Project by using programming language.	Writing high-level code to implement system.

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3.2 User Environment

In this system users have many roles. For example customers, system manager, branch managers etc. Each of them has different options to change and do. Because of that permissions are different. Users have special pages for their features. They can do their operations on their pages. Managers have permission to low level user's datas. So everything is connected. To achive this, database and application design coordinated. Users can use this application on smartphones. But smartphones should have Android OS.



3.3 Needs and Features

Need	Priority	Features	Planned Release
Login	High	Login operation for the customers and managers	Prototype - 1
Logout	High	Logout operation for customers which have an account and managers	Prototype - 1
Add to shopping cart	Medium	Customers add to cart choosen products	Prototype - 2
Register	High	For non member customers	Prototype - 1

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Delete from shopping cart	Medium	Remove from cart unwanted products	Prototype - 2
List products	Medium	List all products in the system	Prototype - 2
View products	Medium	View the selected products	Prototype - 2
Payment	Medium	Paying by credit card	Final demo
MySQL configurations	High	Database	Prototype - 1
SQL Tables	Medium	Includes all customers, managers, branches and branch products.	Prototype - 2
Manipulate branches	High	CRUD processes on branches	Final demo
Upgrade account	Medium	Whole changes on customer account	Prototype - 2
Active customers	Low	Show active customers	Final demo
Customer information	Medium	Customer identity and address	Final demo
Member customer type	Medium	Membership level	Final demo
Shopping history	Low	Payment and bought history	Final demo
Add product	Medium	Branch manager staff	Prototype - 2
Change prices	Low	Branch manager staff	Final demo

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4. Other Product Requirements

Requirement	Priority	Planned Release
Configuring decent server settings	High	Prototype - 1
Customer account security	High	Final demo
Test on a real phone	Low	Final demo
Help	Low	Final demo
Android emulator performance	Low	Final demo
Stability	Medium	Final demo