E-commerce Web Application

Version <1.0>

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Revision History

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# Introduction

The goal of this project is to provide an environment for communication between users and small businesses in terms of buying and selling products. Besides, providing SMEs with the environment for product and business management.

## References

[This subsection provides a complete list of all documents referenced elsewhere in the **Vision** document. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]

# Positioning

## Problem Statement

[Provide a statement summarizing the problem being solved by this project. The following format may be used:]

|  |  |
| --- | --- |
| The problem of | Customers have to go to a shop to see and buy its products. |
| affects | Small shops, customers |
| the impact of which is | [what is the impact of the problem?]  It’s inconvenient for customers whose location is far away from the shop. Because of the distance, most likely a shop is only known by the people in local area. |
| a successful solution would be | [list some key benefits of a successful solution]  - Customers can buy products online without going to the shop  - Shop’s profit increased.  - Small shops can gain more reputation and introduce their products to more people. |

## Product Position Statement

[Provide an overall statement summarizing, at the highest level, the unique position the product intends to fill in the marketplace. The following format may be used:]

|  |  |
| --- | --- |
| For | [target customer]  Small shops  SMEs |
| eWho | [statement of the need or opportunity]  Want to maximize their profit and gain more reputation |
| The E-commerce web application | is a [product category]  is a software product |
| That | [statement of key benefit; that is, the compelling reason to buy]  - sells and advertise shop’s products through the internet.  - people can connect to their favourite shop just by a few mouse clicks.  - transaction can be done online, much more convenient and effective |
| Unlike | [primary competitive alternative] |
| Our product | [statement of primary differentiation] |

[A product position statement communicates the intent of the application and the importance of the project to all concerned personnel.]

# Stakeholder and User Descriptions

[To effectively provide products and services that meet your stakeholders’ and users' real needs it is necessary to identify and involve all of the stakeholders as part of the Requirements Modeling process. You must also identify the users of the system and ensure that the stakeholder community adequately represents them. This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact. Instead, it provides the background and justification for why the requirements are needed.]

## Stakeholder Summary

[There are a number of stakeholders with an interest in the development and not all of them are end users. Present a summary list of these non-user stakeholders. (The users are summarized in section 3.2.)]

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| - Shop’s owner (Product’s owner) | -Who buys the product (E-commerce web application) | - Giving product’s requirements, changes in requirements and buying the final product |
| - Project’s monitor | - Teachers | - Giving advises and adjust project’s direction |
| - Team leader/Project manager |  | - planning, organizing and controlling the project. |
| - Business Analyst |  | - Communicating with product’s owner and project’s monitor to understand the requirements and share them with the team |
| - Designer |  | - Designing application’s structure |
| - Team members/Developers |  | - Implementing the application (Writing source code)  - Giving information about their progress and what problems they have so that project manager can monitor the project better. |
| - Testers |  | - Making testing plan  - Testing the product to find bugs. |

## User Summary

[Present a summary list of all identified users.]

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Customers | End-user | Buying shop’s product | Self-presented |
| Administrator | - Shop’s owner | - Adding products information to the web  - Manage remaining products | Self-presented |

## User Environment

- Customer can sign up and login.

- Customer will come to the website and see product’s information likes name, type, price,… Then he/she can add products which he/she want to buy to a shopping cart. After chosing products, customer can choose to pay by cash then the shop will receive the order and ship it to customer’s address (The shipping process is determined by shop’s owner)

- Shop’s owner can add more products to the web using administrator’s account.

- All of the activities above will be done using web browser, users can use either mobile devices or PC.

## Summary of Key Stakeholder or User Needs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Need** | **Priority** | **Concerns** | **Current Solution** | **Proposed Solutions** | |
| Broadcast messages  (SMEs) | 2 | Privacy  Personal information | Through facebook | | Buys information from search servers  Auto send messenger to potential customers |
| Watch the product video (customer) | 1 | Size of video  Display speed | Sent via inbox to guests | | Allows upload video description |

## Alternatives and Competition

[Identify alternatives the stakeholder perceives as available. These can include buying a competitor’s product, building a homegrown solution, or simply maintaining the status quo. List any known competitive choices that exist or may become available. Include the major strengths and weaknesses of each competitor as perceived by the stakeholder or end user.]

# Product Overview

[This section provides a high level view of the product capabilities, interfaces to other applications, and system configurations. This section usually consists of two subsections, as follows:

• Product perspective

• Assumptions and dependencies]

## Product Perspective

- This product is self-contained, it’s an interface for the connection of a shop and its customers through internet.

sending and receiving data about information of customer’s account, products.,,,

Web application

Database

internet

internet

## Assumptions and Dependencies

- This product is assumed to be available on most of common web browser:

+ Chrome: version (not decided)

+ Safari: version (not decided)

+ Firefox: version (not decided)

+ Opera: version (not decided)

+ …

# Product Features

1. Provide an environment for customers to find and select products according to their individual needs:
   1. Include description, photo, price of the product.
   2. Add product to cart, remove product from cart, add note to product upon delivery.
   3. Pre-order.
2. Communication between businesses and customers: via FB, email, inbox to Admin who is online.
3. Choose a payment method: online, via internet banking, bank transfer, visa ...
4. Manage the remaining quantity of products in stock, see details about the amount of products sold.

# Non-Functional Requirements

* OS: Support current web browsers on computers, mobile web browsers.
* For the administrator: request to change and update data on devices running Windows10, with Mysql installed, powerful enough configuration.
* Server request: have regular backups, has stability. should have alternate power supply (UPS)
* Fault tolerance: can continue to operate in case the data is unaffected and backed up. No error will arise in case the administrator uses the correct instructions