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Specifying Software Requirements

Project: Online Store

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|  |  | June |

Document file

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| --- | --- |
| By the customer | By the supply company |
|  |  |
| Ddo. | Dev Dynasty S.A |

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# Introduction

The objective of the project is that it has the acceptance of the client and also of the public that our client needs to capture.

It is also intended that its design and structure are simple to achieve easy usability in the general public.

## Purpose

* To publicize the project and its qualities.
* It is aimed at the public that likes technology.

## Scope

* Online Store
* As an initial objective, this product must be useful and usable.

## Staff involved

|  |  |
| --- | --- |
| Name | Marco Chanataxi, Kenny Gavilanez, Brayan Gualotuña, Cristian Lisintuña |
| Role | Programmers |
| Professional category | Students |
| Responsibilities | Requirements Analysis, Software Design, Software Development, Documentation, Quality Control Testing |
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| Approval | Earring |

## Summary

This project must have a structure that reflects Safety, Reliability, Flexibility, Availability and Maintainability to ensure that this project evolves according to the development plan.

# Overview

## Product Outlook

The main feature of this product is that it is not part of any larger system.

## Product Functionality

The main requirements of these products focus on the following: Sales, Payments, Inventory that is made to each product, Products, etc.

## User characteristics

|  |  |
| --- | --- |
| User Type | General public |
| Formation | No specific training required |
| Skills | It does not require a specific skill |
| Activities | It does not require a specific activity |

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## Restrictions

One of the restrictions to take into account is experience, which makes it much easier when managing the project and allows us to perform better.

## Assumptions and dependencies

The initial requirements must be maintained, but if there are changes to the product they must be taken into account and fixed as soon as possible either by releasing a new version of the product or incorporating the changes into the product.

## Foreseeable evolution of the system

For this product to evolve, chatbots could be used to facilitate the search for customers who are looking for products on this platform.

# Specific requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Requirement Number | 10 | | |
| Requirement Name | Requirements Analysis, Software Design, Software Development, Problem Solving, Documentation, Maintenance and Upgrades, Team Collaboration, Quality Control, Security and Technical Support. | | |
| Guy | Requirement |  | |
| Requirement Source | Dev Dynasty | | |
| Requirement Priority | High/Essential |  |  |

## Common interface requirements

The design of the product must be as clear as possible to avoid errors and delays in its development.

### User Interfaces

This product aims to be visually appealing to its users and to the customer, as well as have a clear and coherent design to improve people's experience.

### Hardware Interfaces

The hardware devices as a recommendation must be in good condition to avoid any type of product failure.

### Software Interfaces

This software should make it easy to use, customize, design, and integrate with platforms that perform e-commerce to carry out processes successfully and improve the experience.

### Communication Interfaces

It can be said that the main communications will be with banking systems and inventory systems of the suppliers of the products that will be offered, which will be linked to the project to improve the quality of the service.

## Non-functional requirements

### Performance requirements

This software must have the best possible response time since the success of this product depends on its performance when it comes to working effectively and efficiently at the maximum possible capacity.

### Safety

The security of this software will ensure that the data of customers, the software itself and its creators is kept safe and only authorized persons maintain access to classified information.

### Reliability

It is concluded that the errors that may appear in this software must be anticipated in order to have a more reliable product and it works in a qualified way.

### Availability

This product will need to be adapted to work on all types of hardware that is available and also with the operating system that is available.

The product software must complement itself.

### Maintainability

For this, labor costs must be taken into account, which are the most significant element within software costs, so that if this is reduced, it means that it is relatively simple and easy to develop and maintain the product.

### Portability

The design of this product must meet certain requirements in order for this software to be drinkable and work on all types of possible software platforms and hardware environments.

## Other requirements

It must comply with operating permits according to the region or country where this product will operate.

# Appendices

This product also focuses on being reusable for other projects that may be developed in the future.