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## Software requirements specification

Proyect: E-commerce for a local Bakery  
Revisión [99.99]

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*Logo*

[Mes de año]

# Instrucciones para el uso de este formato

*Este formato es una plantilla tipo para documentos de requisitos del software.*

*Está basado y es conforme con el estándar IEEE Std 830-1998.*

*Las secciones que no se consideren aplicables al sistema descrito podrán de forma justificada indicarse como no aplicables (NA).*

*Notas:*

*Los textos en color azul son indicaciones que deben eliminarse y, en su caso, sustituirse por los contenidos descritos en cada apartado.*

*Los textos entre corchetes del tipo “[Inserte aquí el texto]” permiten la inclusión directa de texto con el color y estilo adecuado a la sección, al pulsar sobre ellos con el puntero del ratón.*

*Los títulos y subtítulos de cada apartado están definidos como estilos de MS Word, de forma que su numeración consecutiva se genera automáticamente según se trate de estilos “Titulo1, Titulo2 y Titulo3”.*

*La sangría de los textos dentro de cada apartado se genera automáticamente al pulsar Intro al final de la línea de título. (Estilos Normal indentado1, Normal indentado 2 y Normal indentado 3).*

*El índice del documento es una tabla de contenido que MS Word actualiza tomando como criterio los títulos del documento.*

*Una vez terminada su redacción debe indicarse a Word que actualice todo su contenido para reflejar el contenido definitivo.*

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Fecha	Revisión	Autor	Verificado dep. calidad.
[Fecha]	[Rev]	Burgos Riascos Adrián Alejandro Castillo Beltran Kevin Daniel Castillo Hidalgo Ezequiel Mateo Carvajal Patiño Luis Enrique	[Firma o sello]

Documento validado por las partes en fecha: [Fecha]

Por el cliente	Por la empresa suministradora
Fdo. D./ Dña [Nombre]	Fdo. D./Dña [Nombre]

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# 1 Introduction

An e-commerce application has become an essential tool for those users who prefer to make their purchases without the need to physically go to the premises, it has also been a very important tool in the course of the current pandemic and that is why it has been raised the development of an e-commerce application with the aim of helping a small store that wants to increase its sales by applying the knowledge and techniques learned during the subject of advanced web development.

## 1.1 Purpose

- *Help small businesses to increase their sales and generate extra profits for those who need it*
- *Facilitate online shopping for users who prefer to do it from home.*

## 1.2 Scope

- *Creation of a database to store all the important information for the application.*
- *A login system will be created for users who wish to make purchases or sales.*
- *Creation of a system to publish new products or services.*
- *It is intended to implement a user capable of controlling and monitoring the entire application.*
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## 1.3 Personal involved

Name	Burgos Riascos Adrián Alejandro
Rol	Developer, tester
Professional Category	Software engineering student
Responsability	Design, programing and test the web application.
Contact	aaburgos1@espe.edu.ec
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Name	Castillo Beltran Kevin Daniel
Rol	Developer, tester
Professional Category	Software engineering student
Responsability	Design, programing and test the web application.
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Aprobación	yes

Name	Castillo Hidalgo Ezequiel Mateo
Rol	Developer, tester
Professional Category	Software engineering student
Responsability	Design, programing and test the web application.
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Aprobación	yes

Name	Carvajal Patiño Luis Enrique
Rol	Developer, tester
Professional Category	Software engineering student
Responsability	Design, programing and test the web application.
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Aprobación	yes

## 1.4 Definitions, Acronyms and abbreviations

- *API: It is an abbreviation for Application Programming Interfaces, and is a set of definitions and protocols used to develop and integrate application software, allowing communication between two software applications through a set of rules.*
- *Backend: It is used to refer to the logical area of any web page. We refer to the internal architecture of the site that ensures that all elements perform the correct function. It is not visible to the user and does not include any type of graphic element.*
- *DataBase: Set of data belonging to the same context and systematically stored for later use.*
- *Frontend: It is the part that the user sees and in which they are included, unlike in Back-End, the design line and the graphic elements of the page.*
- *Requirements: The requirement details a need in a general way, part of the macro and focuses above all on what is going to be done.*

## 2 General Description

### 2.1 Product Perspective

*This web application will be developed with technologies that allow us to offer a good experience for the user, with efficient responses, and availability for any user who wishes to make a purchase.*

*The main perspective of this application is to guarantee a safe sale and purchase for the seller and buyer.*

### 2.2 User Characteristics

Type	User
Training	none
Abilities	Basic skills to use electronic devices and surf the internet.
Activities	Use the web application to buy products of their interest.

Type	Customer
Training	none
Abilities	Basic skills to use electronic devices and surf the internet.

Activities	Check the requirements, review the web application and approve it or not.
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## 2.3 Restrictions

*The application is oriented to a web application, so the technologies and languages applied are based on web development, but not on mobile development or a desktop application.*

## 2.4 Assumptions and dependencies

In future development, the system may have the possibility of logging in through the users' google account, in order to speed up the registration process for customers.

# 3 Specific requirements

*Esta es la sección más extensa y más importante del documento.*

*Debe contener una lista detallada y completa de los requisitos que debe cumplir el sistema a desarrollar. El nivel de detalle de los requisitos debe ser el suficiente para que el equipo de desarrollo pueda diseñar un sistema que satisfaga los requisitos y los encargados de las pruebas puedan determinar si éstos se satisfacen.*

## 3.1 Common interfaces requirements

- **User interfaces**

In this section the mockups of the future interface that the web application will have will be attached.

- **Hardware interfaces**

**Keyboard:** The user must have a keyboard to enter information and communicate with the web application.

**Mouse:** The user must have a mouse to be able to navigate in the application and to carry out activity with the events

- **Communication interfaces**

**Internet:** The user and the computer must have a stable internet signal to be able to access the web application.



## 3.2 Requisitos funcionales

### 3.2.1 Functional requirement 1

<b>ID</b>	RF01
<b>NAME</b>	Login
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• Session initiation system</li></ul>
<b>DESCRIPTION</b>	The application will have a login system.
<b>PRIORITY</b>	High

### 3.2.2 Functional requirement 2

<b>ID</b>	RF02
<b>NAME</b>	Navigation
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• Visualization and navigation in the application.</li><li>• No login restriction</li></ul>
<b>DESCRIPTION</b>	In the application the user will be able to watch and buy products, but if the user doesn't have an account the feature buy will be disabled.
<b>PRIORITY</b>	High

### 3.2.3 Functional requirement 3

<b>ID</b>	RF03
<b>NAME</b>	Roles
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• Each user has a role within the app.</li><li>• Control and management of actions according to the role</li></ul>
<b>DESCRIPTION</b>	The application will have three roles: administrator, employee and shopper.

<b>PRIORITY</b>	High
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#### 3.2.4 Functional requirement 4

<b>ID</b>	RF04
<b>NAME</b>	CRUD for administrator
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• Control and management of the inventory of products and services.</li></ul>
<b>DESCRIPTION</b>	The application will be able to add or delete new items to the administrator.
<b>PRIORITY</b>	High

#### 3.2.5 Functional requirement 5

<b>ID</b>	RF05
<b>NAME</b>	Report for products
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• It is a list of the activity carried out by the local.</li><li>• Support for the administrator.</li></ul>
<b>DESCRIPTION</b>	The application should generate a daily report for the products for the products that have been sold.
<b>PRIORITY</b>	Medium

#### 3.2.6 Functional requirement 6

<b>ID</b>	RF06
<b>NAME</b>	Tax system
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• It makes the job easier for the buyer.</li><li>• Helps to generate the daily report.</li></ul>
<b>DESCRIPTION</b>	The application will have a tax system for the

	products that have been bought.
<b>PRIORITY</b>	Medium

### 3.2.7 Functional requirement 7

<b>ID</b>	RF07
<b>NAME</b>	User accounts
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• Monitor users.</li></ul>
<b>DESCRIPTION</b>	The administrator can manage the user accounts and the daily report of the store.
<b>PRIORITY</b>	High

### 3.2.8 Functional requirement 8

<b>ID</b>	RF08
<b>NAME</b>	Purchase
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• The products and the total to be paid are registered.</li><li>• The inventory and availability of the purchased is updated.</li></ul>
<b>DESCRIPTION</b>	The shopper can use the application and buy any products only if he has an account.
<b>PRIORITY</b>	High

### 3.2.9 Functional requirement 9

<b>ID</b>	RF09
<b>NAME</b>	Sale
<b>CHARACTERISTIC</b>	<ul style="list-style-type: none"><li>• The inventory of products or services is updated.</li><li>• The availability, existence, price and details of the added are recorded.</li></ul>

DESCRIPTION	The employee can add or delete new items at the bakery and manage the inventory.
PRIORITY	High

### 3.3 Non-functional requirements

#### 3.3.1 Security

- *The application will encrypt all user's passwords.*
- *The application will make a daily backup of the inventory.*

#### 3.3.2 Portability

- *The application must be available for any device with internet access.*
- *The application will be responsive.*

#### 3.3.3 Usability

- *The application will be intuitive.*
- *The application must give an efficient response when the user performs an action.*
- *The solution must have clear graphical administration and operation interfaces.*

### 3.4 Otros requisitos

[Inserte aquí el texto]

*Cualquier otro requisito que no encaje en ninguna de las secciones anteriores.*

*Por ejemplo:*

*Requisitos culturales y políticos*

*Requisitos Legales*