

Homework #6

Group #2 - **Honey Badgers**

Link: [System Requirements- Viveres Gaby Software Kit](#)

- ALEX DARIO CUZCO YAMASCA

- STEFANY MARICELA DIAZ ANTUN

- MATEO JAREN GARCIA GALARZA

- EDUARDO DAVID GARCIA ROMERO

Viveres Gaby <<Software Kit>>

Homework #6

Software Requirements

"Viveres Gaby Software Kit"

26/11/2023

1. Introduction

1.1. Purpose

1.2. Audience

1.3. System scope

1.4. Acronyms and definitions

1.5. References

1.6. Document overview

2. General Description

2.1. Product perspective

2.1.1. System interfaces

2.1.2. User interfaces

2.1.3. Hardware interfaces

2.1.4. Software interfaces

2.1.5. Communication interfaces

2.1.6. Memory restrictions

2.2. Product features

2.3. User functions

2.4. Restrictions

2.5. Dependencies

2.6. Future requirements

3. Specific requirements

3.1. Functional requirements

3.2. External interface requirements

3.3. System characteristics

3.4. Non-functional requirements

4. Appendices

5. Diagrams

5.1. Class Diagram

5.2. Use Case Diagram

6. Creators

1. Introduction

Homework #6


Archivo Editar Ver Herramientas Ayuda

1.1. Purpose

The primary purpose of the Gaby Groceries Software Kit is to equip grocery stores with a powerful and integrated technological solution that enhances overall operational efficiency. By addressing key aspects such as inventory management, billing, and discounts, the project aims to streamline day-to-day operations, enabling store owners to focus more on customer experience and strategic growth. This purpose is grounded in the understanding that in the highly competitive retail landscape, a well-managed and technologically advanced system can be a game-changer for businesses aiming for sustained success.

Furthermore, the project seeks to empower grocery stores to adapt to evolving consumer demands and industry trends. With a robust inventory management system at its core, the Gaby Groceries Software Kit not only helps prevent stockouts and overstock situations but also provides valuable insights for informed decision-making. The purpose extends beyond mere automation; it is about fostering a proactive and responsive approach to store management, ensuring that the store stays agile and responsive in a dynamic market.

Ultimately, the Gaby Groceries Software Kit aspires to be a catalyst for the growth of grocery stores by offering a holistic solution that optimizes processes, enhances customer satisfaction, and positions the business for long-term success in an ever-changing retail landscape. The overarching purpose is to



1.2. Audience

The present document is directed towards a dual audience, encompassing both the members of the class to which the project will be presented and the client for whom the software is being developed. For the class audience, the content has been structured to serve as an educational tool, providing a detailed understanding of the technical and methodological aspects involved in software development. Clear explanations and examples have been included to facilitate comprehension of more complex concepts. For the client audience, the document focuses on highlighting the business benefits of the proposed software, emphasizing how it will specifically address their needs and provide effective solutions. Additionally, technical details have been incorporated in a more concise manner, concentrating on functional aspects that will be most relevant from the end-user perspective. With this dual audience in mind, the document aims to ensure that both educational and business aspects are clearly communicated, meeting the expectations and needs of both parties.

Homework #6

Archivo Editar Ver Herramientas Ayuda

Solicitar permiso para editar

Compartir

García Galarza Jaren Mateo
García Romero Eduardo David

```

classDiagram
    class Cliente {
        id: int
        nombre: string
        direccion: string
        telefono: string
        email: string
        password: string
    }
    class Producto {
        id: int
        nombre: string
        descripcion: string
        precio: float
        stock: int
    }
    class Proveedor {
        id: int
        nombre: string
        direccion: string
        telefono: string
        email: string
    }
    class Pedido {
        id: int
        fecha: date
        cliente: Cliente
        proveedor: Proveedor
    }
    class PedidoDetalle {
        id: int
        pedido: Pedido
        producto: Producto
        cantidad: int
        precio: float
    }
    class ProveedorDetalle {
        id: int
        proveedor: Proveedor
        producto: Producto
        cantidad: int
        precio: float
    }
    class PedidoDetalleDetalle {
        id: int
        pedidoDetalle: PedidoDetalle
        producto: Producto
        cantidad: int
        precio: float
    }

    Cliente "1" -- "N" Pedido
    Producto "1" -- "N" PedidoDetalle
    Proveedor "1" -- "N" Pedido
    Pedido "1" -- "N" PedidoDetalle
    PedidoDetalle "1" -- "N" PedidoDetalleDetalle
    ProveedorDetalle "1" -- "N" PedidoDetalle
  
```

JAREN RUBEN VARELA
 EDUARDO DAVID ROMERO
 JAREN MATEO GARCIA GALARZA
 EDUARDO DAVID GARCIA ROMERO