Casos de uso concesionario

**Casos de uso concesionario grupo 8**

Concesionario grupo 8

Revision: 0.1

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Approval

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Revision History

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| [Revisar Disponibilidad de Vehículos](#_ebcf31985f163060cea4735a54912334) | Error! Bookmark not defined. |
| [Ver perfil](#_94ca1088bd2f2a0b569c5db0495863b7) | Error! Bookmark not defined. |

# Introduction

## Purpose

El propósito del documento es hacer un reporte de los casos de usos que precisa la aplicación para su finalidad, que sería administrar los datos de un concesionario de venta y alquiler de vehículos. El documento muestra las acciones de el caso de uso que he especificado para garantizar el correcto funcionamiento de nuestra aplicación.

## Scope

La finalidad de la aplicación es darle soporte continuo a un concesionario, a través de las características asociadas a la aplicación, como bien pueden ser la gestión de datos de clientes, la gestion del catálogo de vehículos, la venta y el alquiler de vehículos. A través de filtros, haremos más sencilla la búsqueda tanto de clientes como de vehículos. También se generarán una serie de estadísticas con los datos de venta. Para ofrecer una buena atención a los clientes, con los datos de venta y alquiler, se generarán recomendaciones de vehículos según sus compras/alquileres previos. Nos tomamos muy seriamente la seguridad de los datos tanto de los clientes como de los empleados que utilizarán esta aplicación, por tanto contará una encriptación de datos privados, para mantener todos los datos lo más seguro posible.

Dado que un concesionario trata con diferentes empleados, desde el gerente, vendedor o el taller, teniendo cada uno diferentes utilidades dentro de la empresa, se crearán diferentes perfiles con diferentes interfaces según su función, para obtener la mayor eficiencia en la empresa.

El gerente tendrá acceso total a la aplicación, el vendedor tendrá acceso a los apartados de vehículos y clientes, siendo los encargados de la creción de la ficha de clientes y vehículos. Y por último el taller tendrá acceso a las fichas de los vehículos haciéndose cargo del mantenimiento de los vehículos.

## Overview

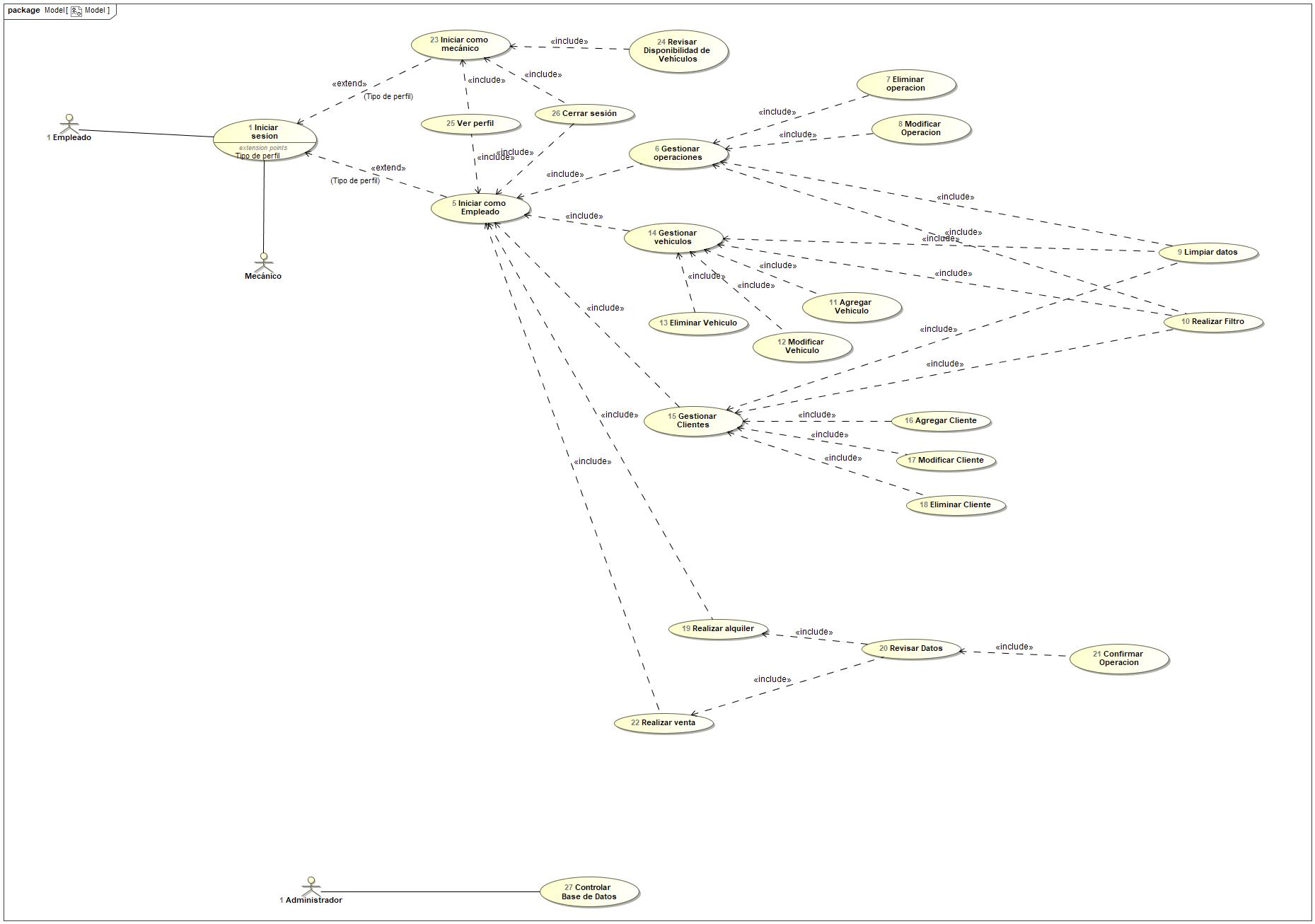
El documento cuenta con un índice que nos muestra la división por partes de los casos de uso, con esto intentamos tener una aplicación completa y que cubra las necesidades previstas, también contamos con que es la version 1.0, que quiere decir que a medida que se vayan implementando los requisitos, veremos nuevas versiones de la aplicación.

También contamos con un diagrama generado donde se ve gráficamente la estructuración de los casos de usos.

# Actor Summary

|  |  |
| --- | --- |
| **Primary Actor** | **Use Cases** |
| Administrador | * [Controlar Base de Datos](#_de62df107bcf9fff23d7eb6e5dbfce25) |
| Administrador |  |
| Banco |  |
| Base de datos |  |
| cliente |  |
| Empleado | * [Iniciar sesion](#_cdbe4f7fa2d7c1135c167effb2f39722) |
| Mecánico | * [Iniciar sesion](#_cdbe4f7fa2d7c1135c167effb2f39722) |
| Taller |  |

# Use Case: Model Diagram



## Agregar Cliente Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Agregar Cliente | ID | 16 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener un cliente para añadir y conexion a la base de datos. | | |
| **Post Condition** | Un cliente más en la base de datos. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar Clientes](#_5e6b159dc4979059cbbfcf9fac5ebc8b) [UseCase](#_5e6b159dc4979059cbbfcf9fac5ebc8b) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Añadir los datos del cliente. 2.Darle a agregar. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Añadir datos erroneos. 2.Darle a agregar. 3.Seleccionar el cliente. 4.Cambiar el dato erroneo. 5.Darle a modificar. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Agregar Vehiculo Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Agregar Vehiculo | ID | 11 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener un vehiculo para añadir y conexion a la base de datos. | | |
| **Post Condition** | Un vehiculo más en la base de datos. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar vehiculos](#_6b4c48523ac53f1d67d49c110f9fd515) [UseCase](#_6b4c48523ac53f1d67d49c110f9fd515) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Añadir los datos del vehiculo. 2.Darle a agregar. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Añadir datos erroneos. 2.Darle a agregar. 3.Seleccionar el vehiculo. 4.Cambiar el dato erroneo. 5.Darle a modificar. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Cerrar sesión Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Cerrar sesión | ID | 26 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener sesión iniciada. | | |
| **Post Condition** | Salir de la cuenta. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Iniciar como Empleado](#_134cf90a092b89261ee44e86839e1273)  [UseCase](#_134cf90a092b89261ee44e86839e1273) * [Iniciar como mecánico](#_40c00e538d16b78454f38500e6e61e94) [UseCase](#_40c00e538d16b78454f38500e6e61e94) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Pinchar en cerrar sesión. 2.Salir al inicio de sesión. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** |  |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Confirmar Operacion Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Confirmar Operacion | ID | 21 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Haber realizado una asociacion y revisado los datos. | | |
| **Post Condition** | Generar una ficha de operación. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Revisar Datos](#_3efa6f5a59460082c17109ad576acf3f) [UseCase](#_3efa6f5a59460082c17109ad576acf3f) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Rellenar los apartados. 2.Confirmar operación 3.Actualización BD |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** |  |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Controlar Base de Datos Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Controlar Base de Datos | ID | 27 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** | * Administrador | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Ser Administrador. | | |
| **Post Condition** | Tener control total de la BD | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** | * [Administrador](#_e7633c2d8b27ac42f410e5d2c37c26b9) [Actor](#_e7633c2d8b27ac42f410e5d2c37c26b9) |
| **Include** |  |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Entrar en la BD. 2.Realizar los cambios oportunes. 3.Aplicar cambios. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** |  |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Eliminar Cliente Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Eliminar Cliente | ID | 18 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener clientes guardados y conexion a la BD | | |
| **Post Condition** | Un cliente menos en la BD | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar Clientes](#_5e6b159dc4979059cbbfcf9fac5ebc8b) [UseCase](#_5e6b159dc4979059cbbfcf9fac5ebc8b) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar cliente deseado. 2.Darle al botón de eliminar. 3.Aceptar cambios. 4.Actualizar vista y base de datos. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionar cliente erroneo. 2.Darle al botón de eliminar. 3.Cancelar cambios. 4.Seleccionar cliente correcto 5.Darle a eliminar. 6.Aceptar cambios 7.Actualizar vista y base de datos. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Eliminar operacion Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Eliminar operacion | ID | 7 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener operaciones guardadas. | | |
| **Post Condition** | Una operación menos. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar operaciones](#_63f49bd12151f9a38cd732acabffa160) [UseCase](#_63f49bd12151f9a38cd732acabffa160) * [Gestionar vehiculos](#_6b4c48523ac53f1d67d49c110f9fd515) [UseCase](#_6b4c48523ac53f1d67d49c110f9fd515) * [Gestionar vehiculos](#_6b4c48523ac53f1d67d49c110f9fd515) [UseCase](#_6b4c48523ac53f1d67d49c110f9fd515) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar operación deseada. 2.Darle al botón de eliminar. 3.Actualizar vista y base de datos. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionar operación erronea.  2.Darle al boton de eliminar.  3.Darle al boton de cancelar.  4.Seleccionar operación correcta. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Eliminar Vehiculo Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Eliminar Vehiculo | ID | 13 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener vehiculos guardados y conexion a la BD | | |
| **Post Condition** | Un vehiculo menos en la BD | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar vehiculos](#_6b4c48523ac53f1d67d49c110f9fd515) [UseCase](#_6b4c48523ac53f1d67d49c110f9fd515) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar vehiculo deseado. 2.Darle al botón de eliminar. 3.Aceptar cambios. 4.Actualizar vista y base de datos. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionar vehiculo erroneo. 2.Darle al botón de eliminar. 3.Cancelar cambios. 4.Seleccionar vehiculo correcto 5.Darle a eliminar. 6.Aceptar cambios 7.Actualizar vista y base de datos. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Gestionar Clientes Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Gestionar Clientes | ID | 15 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener acceso de empleado | | |
| **Post Condition** | Un cliente eliminado,modificado o creado | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Iniciar como Empleado](#_134cf90a092b89261ee44e86839e1273)  [UseCase](#_134cf90a092b89261ee44e86839e1273) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Entrar en gestor clientes. 2.Realizar las gestiones oportunas. 3.Aceptar los cambios. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** |  |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** | 1.Pinchar en el Gestor erroneo. 2.Volver atrás. 3.Entrar en el Gestor de Clientes. 4.Realizar las gestiones oportunas. 5.Aceptar cambios. |
| **Exceptional Flow of Events Diagrams** |  |

## Gestionar operaciones Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Gestionar operaciones | ID | 6 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener acceso a la vista de empleado, tener conexión a la base de datos. | | |
| **Post Condition** | Realizar una gestión en alguna operación. | | |
| **Constraints** |  | | |

|  |  |
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| **Relations** | |
| **Association** |  |
| **Include** | * [Iniciar como Empleado](#_134cf90a092b89261ee44e86839e1273)  [UseCase](#_134cf90a092b89261ee44e86839e1273) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Pinchar en el botón de ultimas gestiones  2.Seleccionar la operación deseada.  3.Seleccionar la gestion deseada.  4.Aceptar cambios. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Pinchar en un botón erroneo  2.Darle al botón de atras.  3.Entrar en ultimas gestiones. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Gestionar vehiculos Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Gestionar vehiculos | ID | 14 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener acceso de empleado, conexión a la base de datos. | | |
| **Post Condition** | Un vehículo eliminado, modificado o creado. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Iniciar como Empleado](#_134cf90a092b89261ee44e86839e1273)  [UseCase](#_134cf90a092b89261ee44e86839e1273) |
| **Extend** |  |
| **Generalization** |  |

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| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Pinchar en Gestor de vehículos. 2.Realizar la gestión oportuna. 3.Aceptar cambios. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Pinchar en el Gestor erroneo. 2.Volver atrás. 3.Entrar en el Gestor de Vehículos. 4.Realizar las gestiones oportunas. 5.Aceptar cambios. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Iniciar como Empleado Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Iniciar como Empleado | ID | 5 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Ser un empleado, tener conexion a la base de datos y saber mi contraseña y correo. | | |
| **Post Condition** | Ver vista de empleado. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** |  |
| **Extend** | * [Iniciar sesion](#_cdbe4f7fa2d7c1135c167effb2f39722) [UseCase](#_cdbe4f7fa2d7c1135c167effb2f39722) |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Iniciar sesión correctamente  2.Ver Vista Empleado |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** |  |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Iniciar como mecánico Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Iniciar como mecánico | ID | 23 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Ser un mecánico, tener conexion a la base de datos y saber la contraseña y correo. | | |
| **Post Condition** | Ver vista de mecánico. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** |  |
| **Extend** | * [Iniciar sesion](#_cdbe4f7fa2d7c1135c167effb2f39722) [UseCase](#_cdbe4f7fa2d7c1135c167effb2f39722) |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Iniciar sesión correctamente 2.Ver Vista mecánico |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** |  |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Iniciar sesion Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Iniciar sesion | ID | 1 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** | * Empleado * Mecánico | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener perfil de empleado o administrador, tener conexión a internet y a la base de datos. | | |
| **Post Condition** | Acceder al sistema principal. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** | * [Empleado](#_c193a40ba2f843ed8e427f0201a1e2d4) [Actor](#_c193a40ba2f843ed8e427f0201a1e2d4) * [Mecánico](#_beb13cda7c0858b8ff8d782d8fe84a0e) [Actor](#_beb13cda7c0858b8ff8d782d8fe84a0e) |
| **Include** |  |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Abrir aplicación.  2.Añadir key y contraseña.  3.Aceptar operación.  4.Entrar en sistema. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Añadir key y contraseña incorrectas.  2.Mostrar error de datos incorrectos.  3.Esperar a que sean introducidos correctamente. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Limpiar datos Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Limpiar datos | ID | 9 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener alguna casilla rellena. | | |
| **Post Condition** | Casillas limpias. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar Clientes](#_5e6b159dc4979059cbbfcf9fac5ebc8b) [UseCase](#_5e6b159dc4979059cbbfcf9fac5ebc8b) * [Gestionar operaciones](#_63f49bd12151f9a38cd732acabffa160) [UseCase](#_63f49bd12151f9a38cd732acabffa160) * [Gestionar vehiculos](#_6b4c48523ac53f1d67d49c110f9fd515) [UseCase](#_6b4c48523ac53f1d67d49c110f9fd515) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Escibir los datos. 2.Darle a limpiar. 3.Todas las casillas vacías. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.No escribimos nada. 2.Darle a limpiar. 3.Sigue apareciendo igual. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Modificar Cliente Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Modificar Cliente | ID | 17 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener un cliente, conexion a la base de datos. | | |
| **Post Condition** | Actualizar base de datos con los cambios realizados. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar Clientes](#_5e6b159dc4979059cbbfcf9fac5ebc8b) [UseCase](#_5e6b159dc4979059cbbfcf9fac5ebc8b) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar el cliente. 2.Cambiar los datos. 3.Darle a modificar. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionar el cliente. 2.Cambiar los datos. 3.Darle a eliminar. 4.Darle a cancelar. 5.Darle a modificar. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Modificar Operacion Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Modificar Operacion | ID | 8 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener una operación guardada, conexión a la base de datos. | | |
| **Post Condition** | Realizar cambios en una operación. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar operaciones](#_63f49bd12151f9a38cd732acabffa160) [UseCase](#_63f49bd12151f9a38cd732acabffa160) * [Gestionar vehiculos](#_6b4c48523ac53f1d67d49c110f9fd515) [UseCase](#_6b4c48523ac53f1d67d49c110f9fd515) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar operación deseada. 2.Darle al botón de modificar. 3.Darle al botón de aceptar 4.Actualizar vista y base de datos. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionar operación erronea. 2.Darle al botón de eliminar. 3.Darle al boton de cancelar. 4.Seleccionar operación correcta. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Modificar Vehiculo Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Modificar Vehiculo | ID | 12 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener un vehiculo, conexion a la base de datos. | | |
| **Post Condition** | Actualizar base de datos con los cambios realizados. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar vehiculos](#_6b4c48523ac53f1d67d49c110f9fd515) [UseCase](#_6b4c48523ac53f1d67d49c110f9fd515) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar el vehiculo. 2.Cambiar los datos. 3.Darle a modificar. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionar el vehiculo. 2.Cambiar los datos. 3.Darle a eliminar. 4.Darle a cancelar. 5.Darle a modificar. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Realizar alquiler Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Realizar alquiler | ID | 19 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener un vehiculo y un cliente para realizar el alquiler | | |
| **Post Condition** | Generar una asociación. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Iniciar como Empleado](#_134cf90a092b89261ee44e86839e1273)  [UseCase](#_134cf90a092b89261ee44e86839e1273) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar un vehiculo 2.Seleccionar un cliente 3.Pinchamos en siguiente. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionamos un vehiculo 2.No encontramos el cliente. 3.Volvemos al menu principal. 4.Creamos un cliente nuevos. 5.Vamos otra vez a realizar alquiler y empezamos con el proceso. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Realizar Filtro Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Realizar Filtro | ID | 10 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener elementos duardados en la tabla | | |
| **Post Condition** | Mostrar elementos con nuestros requisitos. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Gestionar Clientes](#_5e6b159dc4979059cbbfcf9fac5ebc8b) [UseCase](#_5e6b159dc4979059cbbfcf9fac5ebc8b) * [Gestionar operaciones](#_63f49bd12151f9a38cd732acabffa160) [UseCase](#_63f49bd12151f9a38cd732acabffa160) * [Gestionar vehiculos](#_6b4c48523ac53f1d67d49c110f9fd515) [UseCase](#_6b4c48523ac53f1d67d49c110f9fd515) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar un tipo de filtro 2.Darle a filtrar. 3.Mostrar por orden de filtro |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionar un tipo de filtro erroneo. 2.Darle a filtar. 3.Mostrar elementos con prioridad erronea. 4.Aplicar el filtro deseado. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Realizar venta Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Realizar venta | ID | 22 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener un vehiculo y un cliente para realizar la venta. | | |
| **Post Condition** | Generar una asociación. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Iniciar como Empleado](#_134cf90a092b89261ee44e86839e1273)  [UseCase](#_134cf90a092b89261ee44e86839e1273) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Seleccionar un vehiculo 2.Seleccionar un cliente 3.Pinchamos en siguiente. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Seleccionamos un vehiculo 2.No encontramos el cliente. 3.Volvemos al menu principal. 4.Creamos un cliente nuevos. 5.Vamos otra vez a realizar alquiler y empezamos con el proceso. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Revisar Datos Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Revisar Datos | ID | 20 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Tener realizada una asociación cliente-vehiculo | | |
| **Post Condition** | Comprobar que todo está correcto. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Realizar alquiler](#_d4a9ec1ea9fb146f28b924f523564143) [UseCase](#_d4a9ec1ea9fb146f28b924f523564143) * [Realizar venta](#_cb14ec2abe4835c23f01080fa97914bb) [UseCase](#_cb14ec2abe4835c23f01080fa97914bb) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Comprobar que todos los datos son correctos. 2.Indicar el número de días o el precio del vehículo entregado. 3.Seleccionar siguiente. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Comprobar que un dato es erroneo. 2.Ir para atrás. 3.Realizar nueva asociación. 4.Seleccionar siguiente. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Revisar Disponibilidad de Vehículos Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Revisar Disponibilidad de Vehículos | ID | 24 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Ser un mecánico y tener un vehículo para modificar la disponibilidad. | | |
| **Post Condition** | Convertir un vehículo a disponible o no disponible. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Iniciar como mecánico](#_40c00e538d16b78454f38500e6e61e94) [UseCase](#_40c00e538d16b78454f38500e6e61e94) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Entrar en gestor de vehículos. 2.Seleccionar un vehículo. 3.Modificar disponibilidad. 4.Confirmar cambios. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Entrar en gestor de vehículos. 2.Seleccionar un vehículo. 3.Modificar disponibilidad errónaemente. 4.Seleccionar el mismo vehículo. 5.Volver a cambiar la disponibilidad. 6.Confirmar cambios. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |

## Ver perfil Use Case

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Ver perfil | ID | 25 |
| **Complexity** | Average Complexity | | |
| **Description** |  | | |
| **Actors** |  | | |
| **Goal** |  | | |
| **Assumption** |  | | |
| **Non Functional Requirements** |  | | |
| **Pre Condition** | Haber iniciado sesión. | | |
| **Post Condition** | Vista de los datos. | | |
| **Constraints** |  | | |

|  |  |
| --- | --- |
| **Relations** | |
| **Association** |  |
| **Include** | * [Iniciar como Empleado](#_134cf90a092b89261ee44e86839e1273)  [UseCase](#_134cf90a092b89261ee44e86839e1273) * [Iniciar como mecánico](#_40c00e538d16b78454f38500e6e61e94) [UseCase](#_40c00e538d16b78454f38500e6e61e94) |
| **Extend** |  |
| **Generalization** |  |

|  |  |
| --- | --- |
| **Scenarios** | |
| **Basic Flow of Events** | 1.Pinchar en mi perfil. 2.Ver todos los datos. 3.Volver al menu principal. |
| **Basic Flow of Events Diagrams** |  |
| **Alternative Flow of Events** | 1.Pinchar en mi perfil. 2.Ver todos los datos. 3.Modificar algun dato. 4.Aceptar cambios. 5.Volver al menu principal. |
| **Alternative Flow of Events Diagrams** |  |
| **Exceptional Flow of Events** |  |
| **Exceptional Flow of Events Diagrams** |  |