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| [Escribir el nombre de la compañía] |
| Sistema Venta Viviendas |
| Especificación de Requerimientos SIMPLIFICADA |

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| 236296-147743  27/03/2019 |

Especificación de Requerimientos y Casos de Uso.

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# 1. Resumen

En este documento se incluyen los requerimientos funcionales relevados y su especificación mediante la técnica de casos de uso para el Sistema Venta Viviendas

# 2. Introducción

El Sistema Venta Viviendas realiza la gestión de ventas de viviendas para la intendencia, permitiendo el mantenimiento de los usuarios pasantes y clientes, viviendas, ubicaciones de las mismas, parámetros como las cotizaciones, venta de viviendas a clientes.

# 3. Requerimientos Funcionales

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| RF–01 | Ingreso de un nuevo rol. |
| Descripción | El sistema deberá almacenar la información correspondiente  a los roles. |
| Comentarios | El nombre del rol no se puede repetir. Al menos habrá un rol, pasante. |

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| RF–02 | Ingreso de usuario |
| Descripción | El sistema deberá almacenar la información correspondiente a los usuarios. |
| Comentarios | Se controlará la validez del documento ingresado y su edad, siendo como mínima de dieciocho años. |

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| RF–03 | Ingreso de usuario con rol Pasante |
| Descripción | El sistema deberá almacenar la información correspondiente a los usuarios con rol Pasante. |
| Comentarios | Se controlará el nombre de usuario siendo este un email válido, y la contraseña se solicitará dos veces por motivos de seguridad, ésta almacenará hasheada. |

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| RF–04 | Autorización de un usuario en el sitio. |
| Descripción | El sistema solicitará el nombre de usuario y contraseña, y en caso de que sea autenticado en el sitio lo autorizará con los permisos correspondientes a su rol. |
| Comentarios | En caso de que no sea autenticado, el sitio le solicitará que corrija los datos ingresados. |

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| RF–05 | Registro de una nuevo Barrio. |
| Descripción | Se registrará cada nuevo barrio con un nombre único y una descripción que incluya características como cercanía con instituciones educativas, hospitales, locomoción, y cualquier detalle que se considere relevante.  Se verificará que el barrio no haya sido ingresado. |
| Comentarios | Se considera que un barrio está duplicado cuando tiene el mismo nombre que otro. |
| RF–06 | Listado de un barrio por nombre. |
| Descripción | Se podrá visualizar la información correspondiente al barrio ingresando su nombre.  El barrio debe existir en la base de datos |
| Comentarios | En caso de que no exista, se le indicará al usuario. |

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| RF–07 | Listado de todos los barrios. |
| Descripción | Se podrá visualizar la información de cada barrio. |
| Comentarios | - |

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| RF–08 | Actualización de los datos de un barrio. |
| Descripción | Se podrá actualizar únicamente la descripción del barrio. |
| Comentarios | - |

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| RF–09 | Eliminación de un barrio |
| Descripción | Se eliminará el barrio coincidente con el nombre ingresado.  Se verificará que el barrio exista. |
| Comentarios | - |

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| RF–10 | Generación de un reporte de barrios. |
| Descripción | Al solicitar la generación de un reporte, se creará un archivo con extensión “csv” siendo el delimitador el carácter “#”, se almacenará en él toda la información de cada barrio existente en la base de datos. |
| Comentarios | - |

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| RF–11 | Creación de un parámetro. |
| Descripción | Se registrará cada nuevo parámetro con su nombre y valor.  Se verificará que el parámetro no haya sido ingresado. |
| Comentarios | Se considera que un parámetro está duplicado cuando tiene el mismo nombre que otro.  Adicionalmente se ingresa la fecha actual al momento de la creación |

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| RF–12 | Actualización de un parámetro. |
| Descripción | Se ingresará el nuevo valor del parámetro filtrado por su nombre.  Se verificará que el parámetro haya sido ingresado. |
| Comentarios | - |

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| RF–13 | Generación de reporte de parámetros. |
| Descripción | Se creará un archivo con extensión “csv” siendo el delimitador el carácter “#”, se almacenará en él toda la información de cada parámetro existente en la base de datos. |
| Comentarios | - |

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| RF–14 | Eliminación de un parámetro. |
| Descripción | Se solicitará el nombre y se eliminará de forma física.  El parámetro debe existir. |
| Comentarios | Se notificará al usuario en caso de que no exista. |

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| RF–15 | Ingreso de una vivienda. |
| Descripción | Se solicitarán todos los datos correspondientes a la vivienda.  Se controlará que ya no exista con la dirección. |
| Comentarios | En caso de no existencia se le informará al usuario. |

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| RF–16 | Listar todas las viviendas. |
| Descripción | Se mostrarán por pantalla todas las viviendas existentes en la base de datos |
| Comentarios | - |

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| RF–17 | Eliminación de una vivienda. |
| Descripción | Se dará de baja lógica a una vivienda correspondiente con la dirección ingresada.  La vivienda debe de existir. |
| Comentarios | Se informará al usuario en caso de error. |

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| RF–18 | Generación de reportes de las viviendas. |
| Descripción | Se generará un archivo de extensión “csv” con delimitador “#” con todas las viviendas existentes en la base de datos. |
| Comentarios | - |

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| RF–19 | Listado de viviendas por barrio. |
| Descripción | Se deberá ingresar el nombre de un barrio y se mostrarán las viviendas registradas en él.  El barrio debe de existir. |
| Comentarios | En caso de error se le notificará al usuario. |

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| RF–20 | Actualización de una vivienda. |
| Descripción | Se podrá modificar toda la información de la vivienda.  Se filtrará por la dirección actual de la misma.  La vivienda debe de existir. |
| Comentarios | En caso de error se le indicará al usuario |

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# 4. Diagramas de casos de uso

Diagrama de casos de uso 1 – Gestión de socios

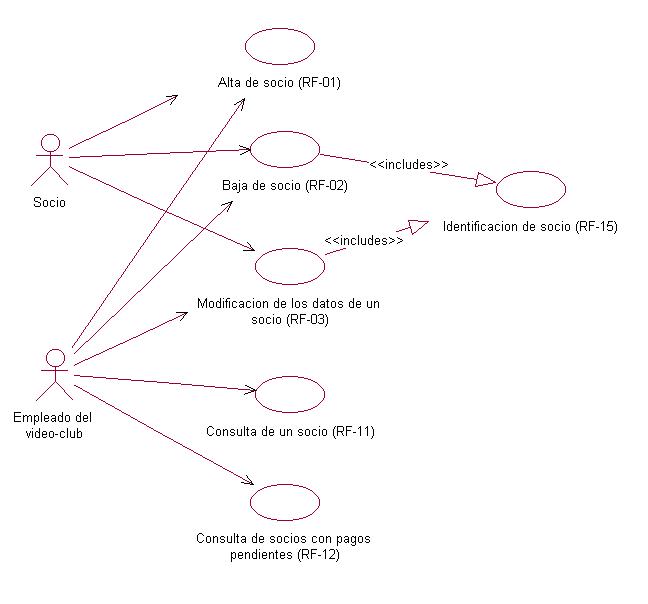


Diagrama de casos de uso 2- Gestión de películas

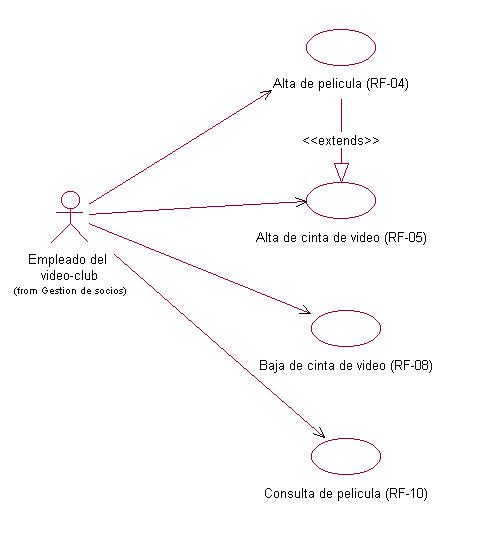
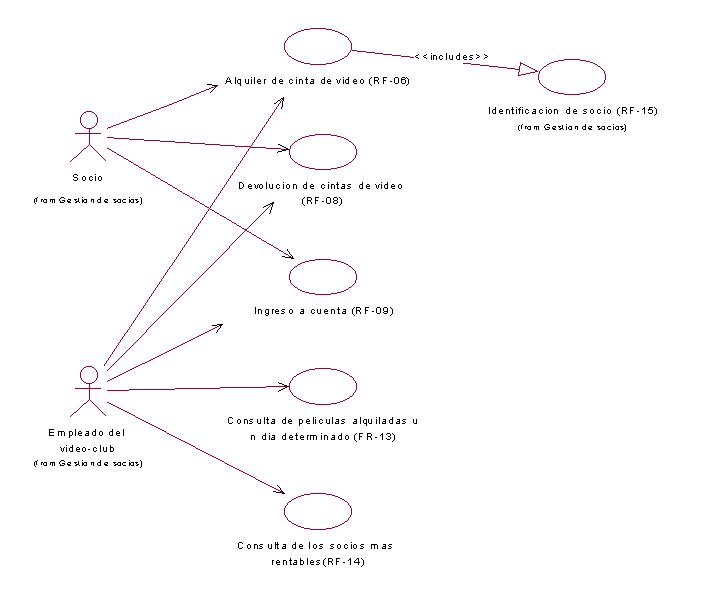


Diagrama de casos de uso 3 - Gestión de Alquileres



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# 5. Casos de Uso Narrativos

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| **Identificador: CU-01** | | **Nombre**:**Registrar una película** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Autor**: | | Adriana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Fecha**: | | 01/02/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Descripción**:       Permite registrar un nuevo título en el videoclub, dejándolo disponible para su alquiler. |
| **Actor/es**:       Empleado del sector Almacén del video club. |
| **Precondiciones**:       La película ha llegado al video y se cuenta con la ficha de sus datos. |
| **Pos condiciones**:       La película quedó registrada en el catálogo con todos sus datos, se le asignó un código numérico y queda disponible para reservas y alquileres. |
| **Flujo Normal**:   1. El actor ingresa a registrar la nueva película. 2. El sistema solicita título, director, año de lanzamiento. 3. El actor introduce los datos solicitados y solicita continuar el ingreso. 4. El sistema verifica que no haya una película con esos datos y habilita el ingreso de los demás datos: la lista de actores, breve descripción, cantidad de copias y permite seleccionar uno o más géneros. Los datos previamente ingresados quedan deshabilitados. 5. El actor ingresa el resto de los datos solicitados y confirma su inclusión en el catálogo. 6. El sistema comprueba la validez de los datos, le asigna un código autonumérico, la marca como disponible para ser reservada y/o alquilada y la incluye en el catálogo etiquetándola como novedad. |
| **Flujo/s Alternativo/s**:  3a. El actor cancela el ingreso.  3a - 1. La película no es guardada.  4a. No se ingresó título, año o director, o el rango del año es incorrecto o no numérico  4a – 1. El sistema no solicita los datos adicionales y avisa que hay un error, marcando los campos erróneos con una descripción del error producido, quedando a la espera de su corrección.  4b. Ya existe una película con ese título, año y director.  4b – 1. El sistema despliega los datos adicionales de la película, con la cantidad de copias en modo edición para permitir modificarlas. Esto será guardado siempre y cuando el valor sea positivo y el actor confirme.  6a. El actor cancela el ingreso.  6a- 1. La película no es guardada.  6b – El actor ingresa alguno de los datos adicionales en forma errónea.  6b-1. El sistema avisa que hay un error, marcando los campos erróneos con una descripción del error producido, quedando a la espera de su corrección. |
| **Flujo/s Excepcionales/s**:  La comunicación con el servidor se corta durante el registro. La película es descartada en su totalidad. |