**Formato de escenarios y casos de uso**

**Configuración de los Escenarios**

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| **Nombre** | **Clase** | **Escenario** |
| setupStage1 | RegisterTest | An object of class Product with name: avión , description: ///, price: 400,0, amount: 44, category: Juguete , number\_bought: 0 |
| setupStage2 | RegisterTest | An object of class Product with name: avión , description: ///, price: 400,0, amount: 44, category: Juguete , number\_bought: 0  An object of class Product with Pname: carro , description: ///, price: 200,0, amount: 1, category: Juguete , number\_bought: 0 |
| setupStage1 | JsonTest | An object of class Product with name: avión , description: ///, price: 400,0, amount: 44, category: Juguete , number\_bought: 0  An object of class Product with name: carro , description: ///, price: 200,0, amount: 1, category: Juguete , number\_bought: 0 |
| setupStage2 | JsonTest | Is empaty |

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| **Nombre** | **Clase** | **Escenario** |
| setUpStage1 | searchTest | New Product: name: “avion”, description “///”, price “400,0”, amount “44”, category “Toy”, boughtAmount: “0” |
| setUpStage2 | searchTest | There arent any registred products |
| setUpStage3 | searchTest | New Product: name: “avion”, description “///”, price “400,0”, amount “44”, category “Toy”, boughtAmount: “0”  New Product: name : “dinosaurio”, description: “///”, price: “ 250”, amount: “10”, category “Toy”, boughtAmount: “2” |

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| **Nombre** | **Clase** | **Escenario** |
| setUpStage1 | SearchOrderTest | New Order: id: “12345”, name, “Order1”, description: “////”, price “350”, amount “1”, category “Books”; |
| setUpStage2 | SearchOrderTest | There arent any registred orders |
| setUpStage3 | SearchOrderTest | New Order: id: “12345”, name, “Order1”, description: “////”, price “350”, amount “1”, category “Books”;  New Order: id “12356”, name : “Order2”, description: “///”, price: “1250”, amount: “2”, category “Technology”. |

\* El nombre de los escenarios puede ser setupStage1, setupStage2, etc.

\* La clase es la clase de testing correspondiente al modelo donde acontece el escenario. Por ejemplo si usted está probando User, clase será UserTest.

\* El escenario es la descripción de las condiciones iniciales del escenario.

**Diseño de Casos de Prueba**

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| **Objetivo de la Prueba:** test the operation of requirement number one, testing the operation of the addProduct method | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Register | addProduct | setupStage1 | Name: Camisa, description:”camisa manga larga”  Price: 600.2  Amount:50  Categorty:Ropa | The product is successfully registered in the system. |
| Register | addProduct | setupStage1 | Name: carro, description:”carro rojo”  Price: -110.0  Amount:10  Categorty:Ropa | The product is not registered and an error message is displayed indicating that the information entered is invalid. |
| Register | addProduct | setupStage1 | name: avión , description: ///  price: 400,0  amount: 44  category: Juguete | Cannot register and an error message is displayed indicating that the information is invalid |
| Register | addProduct | setupStage1 | Name: carro, description:”carro rojo”  Price: 110.0  Amount:-10  Categorty:Ropa | The product is not registered and an error message is displayed indicating that the information entered is invalid. |
| Register | addProduct | setupStage1 | name: avión , description: ///  price: -400,0  amount: -44  category: Juguete | The product is not registered and an error message is displayed indicating that the information entered is invalid. |

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| **Objetivo de la Prueba: test the operation of requirement number 2, testing the operation of the method aheadProduct** | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Register | delateProduct | setupStage1 | Name: avion | Product must be disposed of correctly |
| Register | delateProduct | setupStage1 | Name: carro | It is not removed and an error message is displayed when the product is not found |
| Register | delateProduct | setupStage2 | Name: AvIoN | Product must be disposed of correctly |
| Register | delateProduct | setupStage2 | Name:carro | Product must be disposed of correctly |
| Register | delateProduct | setupStage2 | Name:carro | It should show an error message because the object was already deleted before |

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| **Objetivo de la Prueba: test the operation of requirement number 3, testing the operation of the addAmountProduct method** | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Register | addAmountProduct | setupStage1 | Name: avión  Amount: 20 | You should correctly increase the amount of the airplane product I feel now 60 |
| Register | addAmountProduct | setupStage1 | Name: carro  Amount : 10 | It does not increase and an error message is displayed when the product is not found |
| Register | addAmountProduct | setupStage2 | Name: carro  Amount : 10 | You should correctly increase the amount of the airplane product I feel now 11 |
| Register | addAmountProduct | setupStage2 | Name: carro  Amount : -11 | It should display an error message that negative values cannot be entered |
| Register | addAmountProduct | setupStage2 | Name: carro  Amount : 0 | You should correctly increase the amount of the airplane product feel now 1 |

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| **Objetivo de la Prueba:** test the operation of requirement number 4, testing the operation of the addOrder method | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Register | addOrder | setupStage2 | name\_buyer:Pipe  list\_product: [avión,carro]  total\_price:600  date\_buy:1/04/2023 | The order must be correctly registered, and the amount of the plane and car product must be subtracted |
| Register | addOrder | setupStage2 | name\_buyer:sergio  list\_product: [carro, carro]  total\_price:400  date\_buy:1/04/2023 | An error message should be displayed saying there are not enough carts for the order |
| Register | addOrder | setupStage2 | name\_buyer:sergio  list\_product: [camisa]  total\_price:400  date\_buy:1/04/2023 | An error message should be displayed saying that the product does not exist |
| Register | addOrder | setupStage2 | name\_buyer:Pipe  list\_product: [carro]  total\_price:600  date\_buy:1/04/2023 | The order must be correctly registered, and the amount of the cart product must be subtracted |
| Register | addOrder | setupStage1 | name\_buyer:Pipe  list\_product: [avion]  total\_price:400 date\_buy:1/04/2023 | The order must be correctly registered, and the amount of the airplane product subtracted |

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| **Objetivo de la Prueba:** test the operation of requirement number 5, testing the operation of the SearchItem method | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Controller | SearchItem | setupStage1 | “avion” | The method must return the created Object. |
| Controller | SearchItem | setupStage2 | “400” | The result must be null. |
| Controller | SearchItem | setupStage1 | “5” | The resutt must be null or it has to equals an default “not found item” message. |

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| **Objetivo de la Prueba:** test the operation of requirement number 6, testing the operation of the SearchOrder method | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Controller | SearchOrder | setupStage1 | “12345” | The method must return the Order |
| Controller | SearchOrder | setupStage2 | “12345” | The result must be null. |
| Controller | SearchOrder | setupStage3 | “12356” | The resutt must be null or it has to equals an default “not found item” message. |

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| **Objetivo de la Prueba:** test the operation of requirement number 7, testing the operation of the SearchRange method | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Controller | SearchRange | setupStage1 | “100” - “300” | The method must return a list with the items inside the range |
| Controller | SearchRange | setupStage2 | “0” - 10 | The list is empty |
| Controller | SearchRange | setupStage3 | “12356” | The list is empty or the result has to equals an default “not found item” message. |

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| **Objetivo de la Prueba:** test the operation of requirement number 8, testing the operation of the SearchSimilarString method | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Controller | SearchName | setupStage1 | “Avi” | The method must return a list with the items named similiar with the input |
| Controller | SearchName | setupStage2 | “zazas” | The list is empty |
| Controller | SearchName | setupStage3 | “”carrito ” | The list is empty or the result has to equals an default “not found item” message. |

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| **Objetivo de la Prueba:** test the operation of requirement number 9, testing the operation of the WriteJson method | | | | |
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Controller | WriteJson | setupStage1 | “C:\Users\shern\OneDrive\Documentos\clases\Semestre3\ApoII\Integradora2\almacenamiento.txt” | It must be stored correctly |
| Controller | WriteJson | setupStage1 | “////” | An error message should be displayed saying that the file address was found |
| Controller | WriteJson | setupStage2 | “C:\Users\shern\OneDrive\Documentos\clases\Semestre3\ApoII\Integradora2\almacenamiento.txt” | It must be stored correctly showing a message in the console that it is empty |
| Controller | WriteJson | setupStage2 | “C:\Users\shern\OneDrive\Documentos\clases\Semestre3\ApoII\Integradora2\almacenamientO.txt” | An error message should be displayed saying that the file address was found |
| Controller | WriteJson | setupStage1 | “almacenamiento.txt” | An error message should be displayed saying that the file address was found |

\* Una prueba se compone de un conjunto de casos de prueba.

\* Cada fila representa un ***caso de prueba*** difente

\* En el objetivo de la prueba debe escribir una descripción sobre qué es lo que específicamente está probando del modelo del programa.

\* La clase es la clase del modelo que está siendo puesto a prueba.

\* El método es específicamente el método de la clase que está siendo puesto a prueba.

\* El escenario se refiere al nombre del escenario que usted definió. Todos los casos de prueba corresponden a escenarios.

\* Los valores de entrada son valores que entran al método puesto a prueba.

\* El resultado esperado es lo que se espera que suceda luego de ejecutar el método.