**Formato de escenarios y casos de uso**

**Configuración de los Escenarios**

|  |  |  |
| --- | --- | --- |
| **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 |

|  |  |  |
| --- | --- | --- |
| **Nombre** | **Clase** | **Escenario** |
| setUpStage1 | searchTest | New Product: name: “avion”, description “///”, price “400,0”, amount “44”, category “Toy”, boughtAmount: “0” |
| setUpStage2 | searchTest | New Product: name: “carro”, description “///”, price: 200, , amount 1, category “toy” bought Amount : 0 |
| setUpStage3 | searchTest | New Product: name: “avion”, description “///”, price “400,0”, amount “44”, category “Toy”, boughtAmount: “0”  New Order: name: “luca”, products, price: 400, time. |

\* 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**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | increase the amount |
| 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. |

…

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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** |
| RegisterTest | addOrder | setupStage3 | name\_buyer:luis  list\_product: [avión]  total\_price:400  date\_buy: 12:01:23 | The order must be correctly registered, and the amount of the plane and car product must be subtracted |
| RegisterTest | addOrder | setupStage3 | name\_buyer:luis  list\_product: [avión]  total\_price:-1000  date\_buy: 12:01:23 | An error message should be displayed saying you cannot use neutral or negative values for the price. |
| RegisterTest | addOrder | setupStage3 | name\_buyer:luis  list\_product:null  total\_price:1000  date\_buy: 12:01:23 | An error message should be displayed saying that the product does not exist |
| RegisterTest | addOrder | setupStage3 | name\_buyer:null  list\_product: [avión]  total\_price:-1000  date\_buy: 12:01:23 | An error message should be displayed saying that the buyer name do not exist |
| RegisterTest | addOrder | setupStage3 | name\_buyer:sergio  list\_product: [avion]  total\_price:1000  date\_buy: 1:30:12 | A message than return the name of the registered buyer |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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** |
| SearchTest | SearchOrderName1 | setupStage2 | “noExiste” | returns a message saying "buyer not found" |
| SearchTest | SearchOrderName2 | setupStage2 | “luca” | An exception was thrown when adding a valid order |
| searchTest | SearchOrderPrice1 | setupStage2 | “400” | An exception was thrown when adding a valid order |
| searchTest | searchOrderPrice2 | setUpStage2 | “-1” | returns an error message saying "price not found" |
| SearchTest | SearchOrderPrice3 | setUpStage2 | “4555434” | returns an error message saying "price not found" |
| SearchTest | searchOrderTime1 | SetUpStage2 | 12:23:30 | An exception was thrown when adding a valid time |
| SearchTest | searchOrderTime2 | setUpStage2 | “null” | Returns a messange saying “there is no order with this date” |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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** |
| SearchTest | SearchOrderNameP1 | setupStage2 | “noExiste” | returns a message saying "buyer not found" |
| SearchTest | SearchOrderNameP2 | setupStage2 | “avion” | An exception was thrown when adding a valid order |
| searchTest | SearchOrderPriceP1 | setupStage2 | “400” | An exception was thrown when adding a valid order |
| searchTest | searchOrderPriceP2 | setUpStage2 | “-1” | returns an error message saying "price not found" |
| SearchTest | SearchOrderPriceP3 | setUpStage2 | “4555434” | returns an error message saying "price not found" |
| SearchTest | searchOrderCategoryP1 | setUpStage2 | 1 | The searchis valid |
| SearchTest | searchOrderAmountP1 | setUpStage2 | 99 | categoria no encontrado. |
| SearchTest | searchOrderBoughtP1 | setupStage2 | 126 | The search was exit |
| SearchTest | searchOrderBoughtP2 | setupStage2 | 0 | The search was exit |
| SearchTest | searchOrderBoughtP3 | setupStage2 | -1 | producto no encontrado. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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** |
| searchTest | SearchRangePrice1 | setupStage2 | “100” - “300”, “1” | The method must return a list with the items inside the range |
| searchTest | SearchRangePrice2 | setupStage2 | “100”- “50”, “2” | A error message saying “ the lower rank cannot be greater than the upper rank” |
| searchTest | SearchRangePrice3 | setupStage2 | “5” - “20”, “3” | an error saying, invalid type |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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** |
| searchTest | SearchRangePriceP1 | setupStage2 | “200” - “400”, 1,2 | The method must return a list with the items inside the range |
| searchTest | SearchRangePriceP2 | setupStage2 | “0”- “0”, “1”,2 | The method must return a list with the items inside the range |
| searchTest | SearchRangePriceP3 | setupStage2 | “-1” - “200”, “1”,2 | an error saying, invalid type |
| searchTest | SearchRangePriceP4 | setupStage2 | -1,-1,1,2 | an error saying, invalid type |
| searchTest | SearchRangePriceP5 | setupStage2 | 0,1000000,1,2 | The method must return a list with the items inside the range |
| searchTest | testSearchRangeAmount1P | setupStage2 | 2,100,2,2 | The method must return a list with the items inside the range |
| searchTest | testSearchRangeAmount2p | setupStage2 | 0,-100,2,2 | an error saying, invalid type |
| searchTest | testSearchRangeAmount3p | setupStage2 | -10,-100,2,2 | an error saying, invalid type |
| searchTest | testSearchRangeAmount4p | setupStage2 | 0,0,2,2 | The method must return a list with the items inside the range |
| searchTest | testSearchRangeBought1P | setupStage2 | 2,5,3,2 | The method must return a list with the items inside the range |
| searchTest | testSearchRangeBought2P | setupStage2 | 5,5,3,2 | The method must return a list with the items inside the range |
| searchTest | testSearchRangeBought3P | setupStage2 | -1,-5,3,2 | an error saying, invalid type |
| searchTest | testSearchRangeBought4P | setupStage2 | -1,5,3,2 | an error saying, invalid type |
| searchTest | testSearchRangeBought5P | setupStage2 | 1,-5,3,2 | an error saying, invalid type |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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** |
| searchTest | searchRangePref1 | setupStage2 | “a”, “es” | The method must return a list with the name buyer named similiar with the input |
| searchTest | searchRangePref2 | setupStage2 | Null, “es” | An error message saying “ prefixes other than null or numbers” |
| searchTest | searchRangePref3 | setupStage2 | “”ser”, null | An error message saying “ prefixes other than null or numbers” |
| searchTest | searchRangePref4 | setupStage2 | “c”, “es” | The method must return a list with the buyers name named similiar with the input |
| searchTest | searchRangePref5 | setupStage2 | Null, null | An error message saying “ prefixes other than null or numbers” |
| searchTest | searchRangePref6 | setupStage2 | 5, 10 | An error message saying “ prefixes other than null or numbers” |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | None | The test must validate the correct adition of the default dataBase. |
| Controller | WriteJson | setupStage1 | “empty.json” | The test have to return that the new value of the product dataBase is 0, cause its a new file. |
| Controller | WriteJson | setupStage1 | “newJson.json”  "avión", "///", 44, 400, 8 | The test have to return that the new value of the product dataBase is 1, cause its a new file. |
| Controller | WriteJson | setupStage2 | "newFile.json"  "avión", "///", 44, 400, 8 | The test have to return that the value of the product dataBase is 3, cause the stage had already 2 items added an the third one is added after |
| Controller | WriteJson | setupStage1 | "newFile.json" | The tets returns that the new products inside JSON are filled with the porducts of the stage, it is not empty. |

\* 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.