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**Test Tables:**

| Nombre | Clase | Escenario |
|--------|-------|-----------|
| Setup1 | Controller | Returns an empty controller to be filled manually from the tests |
| Setup2 | Controller | Returns an ArrayList with 3 Products, productA, ProductB, and ProductC |
| Setup3 | Controller | Returns a Controller with 3 Products added to its List |
| Setup4 | Controller | Returns a Controller with 5 Products added to its List |
| Setup5 | Controller | Returns a Controller with 4 Orders Added to its List |

| **Objetivo de la Prueba:** to verify if Products and orders are being registered correctly | | | | |
|--------|--------|-----------|-------------------|-------------------|
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Controller | addProductTest() | Setup1 | Product : "ProductA" | The product was added to the list |
| Controller | addOrderTest() | Setup1() | Order:"OrderA ,, | The order was added correctly |

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|---|---|---|---|---|
| **Clase** | **Método** | **Escenario** | **Valores de Entrada** | **Resultado esperado** |
| Controller | productnameIsAvailable() | Setup2 | Name "new Name" | The product With the name is not found |
| Controller | productnameIsNotAvailable() | Setup2 | Name "ProductA" | The product with the name is found |
| Controller | setSellsAndStockTest() | Setup3 | | After adding sells and stock, the attributes values will change |
| Controller | getlistByName() | Setup4 | Name : "A" | Will Return a list with 2 products |
| Controller | binarySearchnameTest() | Setup4 | Name:"AObject" List : Product[] | Will find a product with the same name |
| Controller | searchproductByPriceTest() | Setup4 | infLimit: 2 suplimit: 10 | Will find 3 products within the range of the price |
| Controller | searchproductByStocktest() | Setup4 | infLimit:2 suplimit:10 | Will Find 2 Products within the range of the stock |
| Controller | searchProductByCategoryTest | Setup4 | Category : SPORT | Will find 2 products with the categpry SPORT |
| Controller | searchProductbySells() | Setup4 | infLimit:2 supLimit:5 | Will Find 3 products within the range sells |
| Controller | searchOrderByNameTest() | Setup5 | Name : "OrderA" | Will find 2 Orders with the name entered |
| Controller | searchOrderByPriceTest() | Setup5 | Price:10 | Will find one Order with the price entered |
| Controller | addproductStockTest() | Setup3 | Stock:5 | The product will have a total stock of 15 |

| Controller | deleteProductTest() | Setup4 | Name : "ProductA" | Will find the product and remove it from list |