Unit Test

Method	Input	Output	Test case
	AddProductController		
addProduct()	"101" "hola" "3.5" "4,5" "Guido"	true	Valid product, new ID
	"" "Collar" "10" "3.5"	false	Empty ID field
	"ab" "hola" "3.5" "10"	false	Id invalid
	"ab" "hola" "" "/%"	false	Invalid price
	id	false	duplicate
	"-5" "- 2.5"	false	positive values
	"@pulser@"	false	Invalid product
	AttendanceController		
registerAttendance()	"Louredes" "3/08/2025" "03/08/2025"	success=true	Successful registration
	Null "3-08-2025"	false	Name null
	"louredes" ""	false	Empty date
	"Luis" "2025-08-03" "3/8/2025" true	false	Incorrect format date
	" "	false	empty list
	AttendanceHistoryController		
getArtisanAttendanceHistory()	"Lourdes" "lourdes"	List with documents	Returns the artisan history

	" "	false	Artisan inexistent
printAttendanceHistory()	""	true	Printing method runs correctly
MonthlyReportController			
calcularTotalMensual()	10.0 20.5 0,5	31.0F	Total correct
	()	0.0F	no sales
	0 10.0	10.0F	Ignore void
PenaltyController			
calculatePenalty()	"Guido" "guido"	Days absent, total days, total fine calculated	Fine based on incomplete attendance
	Artisan 100% attendance	Days =0 Penalty=0	No absences
	Artisan non-existent	non-existent	non-existent
UserController			
processLogin()	"guido" "1234"	success=true	Login correct
	"guido" "password incorrect"	false	Incorrect password
	"" ""	false	void
getArtisanName()	"guido" "1234"	"guido" o name expected	Return name
	User not found	Artisan unknown	The user does not exist
	"guido" "1234"	true	welcome message
ProductManager			
updateProductName()	101 "Name"	true	Name valid
	"COLLAR"	true	Name valid
updateProductPrice()	101 3.5	true	Price valid

	""	false	void
updateProductStock()	20	true	Valid stock
	3.5	false	Invalid stock
ProductValidator			
isValidName()	"collar" "pulsera"	true	Valid product
isValidPrice()	-3.5	false	Invalid price
	0	false	Invalid price
isValidStock()	0	true	Valid stock
	-5	false	Invalid stock
SaleCalculator			
calculateTotal()	0.6	true	Total price
	-1.5	false	invalid
	0.6+0.3	0.99999	validate total
StockManager			
updateStockAfterSale()	8	true	Stock sufficient
	0	true	Upadte stock
	-1	false	Invalid stock