

TestID	Method	Precondition	Input	ExpectResult	Type
TC01	addStockNormal	OnHand =10 Capacity=100	20	Onhand=30	Normal
TC02	addStockBoundary	OnHand =10 Capacity=100	90	Onhand=100	Boundary
TC03	addStockError	OnHand =10 Capacity=100	-5 or 0	IllegalArgumentException	error
TC04	addStockOverCapacity	OnHand =10 Capacity=100	110	IllegalArgumentException	Error
TC05	reserveNormal	OnHand=10 reserve=0	5	Reserved=5	Normal
TC06	reserveBoundary	OnHand=10 Reserved=0	10	Reserved=10	Boundary
TC07	reservenotvalid	-	0 or -3	IllegalArgumentException	Error
TC08	reserveover	OnHand=10 Reserved=0	20	IllegalArgumentException	Error
TC09	releaseReservation Normal	Reserved=8	3	Reserved=5	Normal
TC10	releaseReservation Boundary	Reserved=8	8	Reserved=0	Boundary
TC11	releaseReservationInvalid	Reserved=5	0 or -2	IllegalArgumentException	Error
TC12	releaseReservationOverAvailable	Reserve=5	10	IllegalArgumentException	Error
TC13	shipReservedNormal	OnHadnd=10 Reserved=8	5	OnHand=5 Reserve=3	Normal
TC14	shipReservedBoundary	OnHand=10 Reserve=7	7	OnHand=3 Reserve=0	Boundary
TC15	shipReservedInvalid	reserve=5	0 or -2	IllegalArgumentException	Error
TC16	shipReservedOverReserved	reserve=3	5	IllegalArgumentException	Error
TC17	shipReservedExceedOnHand	OnHand=10 reserve=5	11	IllegalArgumentException	Error
TC18	removeDamagedNormal	OnHand=10	3	OnHand=7	Normal
TC19	removeDamagedBoundary	OnHand=10	10	OnHand=0	Boundary
TC20	removeDamagedInvalid	-	0 or -5	IllegalArgumentException	Error
TC21	removeDamagedOverOnHand		20	IllegalArgumentException	Error

TC22	removeDamagedAdjustReserved	-	20	IllegalArgumentException	Error
TC23	reorderNeededTrue	Available=2 threshold=3		True	Normal
TC24	reorderNeededEqual	Available=3 threshold=3		FALSE	Boundary
TC25	reorderNotNeeded	Available=5 threshold=3		False	Normal
TC26	updateThresholdValid	maxCapacity=100	Threshol d=20	NewThreshold=20	Normal
TC27	updateThresholdBoundary	maxCapacity=100	Threshol d=100	NewThreshold=20	Boundary
TC28	updateThresholdNegative	maxCapacity=100	-1	IllegalArgumentException	Error
TC29	updateThresholdOverCapacity	macCapacity=100	101	IllegalArgumentException	Error
TC30	updateMaxCapacityValid	OnHand=10	New maxCapi city=200	maxCapacity=200	Normal
TC31	updateMaxCapacityInvalid	onHand=10	New maxCapi city=0 or -5	IllegalArgumentException	Error
TC32	updateMaxCapacityBelowOnHa nd	OnHand=10	New maxCapi city=5	IllegalArgumentException	Error
TC33	updateMaxCapacityboundary	OnHand=10	NewCapi city=10	maxCapacity=10	Boundary
TC34	changeLocationValid	location = "A1"	NewLoca tion=A-5	LocationUpdate=B5	Normal
TC35	changeLocationNullOrBlunk	----	NEW=Nu ll or “ ”	IllegalArgumentException	Error
T36	consInvalidId		null, "L1", 10, 3, 100	Created Successfully	Normal
T37	consInvalidLocation		"P1", " ", 10, 3, 100	IllegalArgumentException	Error
T38	consInvalidOnHand		"P1", "L1", -1, 3, 100	IllegalArgumentException	Error

T39	consInvalidCapacity		"P1", "L1", 10, 3, 0));	IllegalArgumentException	Error
T40	constOnHandExceedsCapacity		"P1", "L1", 200, 3, 100));	IllegalArgumentException	Error
T41	constValid		Valid input	objectcratedSucessfully	Normal
T42	shipReserved	OnHand=10 reserve=0	Reserve =5 Sleep=20 0 ms shipreser ved=3	Reserved =2 onHand=7	Timeout
T43	Disabled Test	-	-		Disabled

Coverage :

Test Coverge 98% line Coverage , Uncoveredpart is tostring

