Acceptance tests:

1. Use-Case: Initialize Marketplace System

Positive	Correct admin credentials	The system initialized
Negative	Wrong admin credentials	Try again error

2. Use-Case: Add connection with an external service

Positive	Correct data to establish connection	External service connection establish
Negative	Missing data to establish connection	Fill the missing data error

2.1. Use-Case: Edit connection with an external service

Positive	Correct data and field to update	External service updated
Negative	Invalid data to the field that need to be updated	Failed to update external service error

2.2. Use-Case: Swap connection with an external service

Positive	Existing external and correct data to establish new one	The existing external service swapped with the new one
Negative	There's no existing external service	No external service to swap error

3. Use-Case: Call Payment Service

Positive	Correct order details	Payment has been done successfully
Negative	There's no payment service connection	Missing payment service error

4. Use-Case: Call Delivery Service

Positive	Correct order details	Delivery has been done successfully
Negative	There's no delivery service connection	Missing delivery service error

5. Use-Case: Real-Time Notifications

Positive	Correct username and valid massage	Notification sent to the user
Negative	Incorrect username and valid massage	Wrong username error

6. Use-Case: Delayed Notifications

Positive	Correct username and valid massage	Notification sent to the user
Negative	correct username and invalid massage	Invalid massage error

7. Use-Case: Access Marketplace

Positive	New guest created successfully	The marketplace started
Negative	Failed to create new guest	Try again to enter the marketplace error

8. Use-Case: Exit Marketplace (Guest)

Positive	The guest closed the system successfully	The guest logged out of the system
Negative	The guest failed to close the system	Try exit again error

9. Use-Case: Register

Positive	Correct user information	New user created in the system
Negative	Invalid password	enter new password following the demands

10. Use-Case: Login

Positive	Correct user credentials	The user logged into the system
Negative	Username doesn't exist	The user doesn't exist error

11. Use-Case: Get Shop Info

Positive	Correct shop ID	The shop info will display
Negative	Shop name instead of ID	Please enter a valid ShopID error

12. Use-Case: Search Products

Positive	Valid keywords and filters	The products that satisfy the search demands will display
Negative	Invalid filter	Please enter a valid filter error

13.1. Use-Case: Add to shopping cart

Positive	Valid User ShopID and ProductID	The product entered the user's shopping cart
Negative	ShopID doesn't exist	Shop doesn't exist error

13.2. Use-Case: Check Shopping Cart

Positive	Valid user	The user's shopping cart displayed
Negative	Invalid product in cart	Product deleted from cart error

13.3. Use-Case: Remove From Shopping Cart

Positive	ProductID that exist in user's cart	The product removed from the user's cart
Negative	ProductID that doesn't exist in user's cart	Product doesn't in cart error

13.4. Use-Case: Edit Product Specifications In Shopping Cart

Positive	Correct information to edit the product in cart	The product specifications updated in user cart
Negative	Product quantity of 'a'	Product quantity must be a number

14. Use-Case: Checkout

Positive	Correct information to go to checkout	User goes to checkout page for his current shopping cart
Negative	User's cart is empty	Empty cart error

15. Use-Case: Exit Marketplace (Member)

Positive	The member closed the system successfully	The member logged out of the system and his cart been saved
Negative	The member failed to close the system	Try exit again error

16. Use-Case: Logout

Positive	Logged in username	The user logged out of the system
Negative	User isn't logged in	Try logout without logging in error

17. Use-Case: Set Up Shop

Positive	Valid member and correct info to set up a shop	The shop set up and the member set to be it's owner
Negative	Guest tries to set up a shop	Only logged in member can set up a shop error

18.1. Use-Case: Stock Management (Product Addition)

Positive	Logged in user with permission to controller the stock and valid info	The product added to the stock due to the info the user entered
Negative	User tries to enter negative quantity to a product	Product quantity can't be negative error

18.2. Use-Case: Stock Management (Product Removal)

Positive	Logged in user with permission to controller the stock and valid info	The product removed from the stock due to the info the user entered
Negative	User tries to remove a product that doesn't exist in the shop	Can't remove a product you don't have error

18.3. Use-Case: Stock Management (Product Modification)

Positive	Logged in user with permission to controller the stock and valid info	The product updated in the stock due to the info the user entered
Negative	User tries to modify product without having permission to do so	Don't have the permission error

19. Use-Case: Modify Shop's Purchase/Sale Types and Policies

Positive	Logged in user with permission to controller the policies and valid info	The shop policy modified due to the info the user entered
Negative	User tries to modify the shop policy without having permission to do so	Don't have the permission error

20. Use-Case: Appoint Shop Owner

Positive	Logged in shop owner and valid member username to appoint	The member is now owner of the shop
Negative	Logged in shop owner and member ID	Incorrect member username error

21. Use-Case: Appoint Shop Manager

Positive	Logged in shop owner and valid member username to appoint	The member is now manager of the shop
Negative	Logged in shop owner and username that doesn't exist	Incorrect member username error

22.1. Use-Case: Add Shop Manager Permissions

Positive	Logged in shop owner, valid manager username to add permission to and valid permissions	The permissions added to the manager
Negative	The logged in user isn't an owner	Only shop owner can give permissions error

22.2. Use-Case: Remove Shop Manager Permissions

Positive	Logged in shop owner, valid manager username to remove permission from and valid permissions	The permissions removed from the manager
Negative	The logged in user isn't an owner	Only shop owner can remove permissions error

23. Use-Case: Close Shop

Positive	Logged in shop founder, valid ShopID	The shop is now closed
Negative	Logged in shop owner who isn't founder	Only the shop founder can close it

24. Use-Case: Request Shop Personnel Info

Positive	Logged in shop owner, valid ShopID	The personnel info now displayed
Negative	Logged in shop manager without permission	Don't have the permission error

25. Use-Case: Get Shop Purchase History (Shop Owner)

Positive	Logged in shop owner, valid ShopID	The purchase history now displayed
Negative	Logged in shop manager without permission	Don't have the permission error

26. Use-Case: Register (Admin)

Positive	Correct user information	New system admin created in the system
Negative	Invalid password	enter new password following the demands

27. Use-Case: Get Shop Purchase History (Admin)

Positive	Logged in system admin, valid ShopID	The purchase history now displayed
Negative	Invalid time interval	Invalid time interval error