**Test Plan:**

Making a Test Plan is the most important task of Test Management Process. All the steps to create a test plan as per IEEE 829 are:

1. Analyze the product
2. Design the Test Strategy
   1. Define Scope of Testing
      1. “Add to Cart” option is functional from everywhere
      2. “View Cart” took to https://www.walcart.com/checkout/cart/
      3. All items are showing appropriately at “View Cart”
      4. Updating items and quantity reflect appropriately at “View Cart”
      5. Summery total should show appropriate amount, before and after apply coupon/ Discount Code
      6. Checkout process for login /without logged-in users
      7. Updating items, prices and quantity reflect appropriately at https://www.walcart.com/checkout/#shipping
      8. Check the payment methods is functional
   2. Identify Testing Type
      1. Unit Testing
      2. API Testing
      3. Integration Testing
      4. System Testing
      5. Agile testing
   3. Document Risk & Issues
   4. Create Test Logistics
3. Define the Test Objectives
   1. “Add to Cart” option is functional from everywhere
   2. “View Cart” took to <https://www.walcart.com/checkout/cart/>
   3. All items are showing appropriately at “View Cart”
   4. Updating items and quantity reflect appropriately at “View Cart”
   5. Summery total should show appropriate amount, before and after apply coupon/ Discount Code
   6. Checkout process for login /without logged-in users
   7. Updating items, prices and quantity reflect appropriately at <https://www.walcart.com/checkout/#shipping>
   8. Check the payment methods is functional
4. Define Test Criteria
5. Resource Planning
6. Plan Test Environment
   1. Will QA use Dev server?
   2. Will QA use Stage server?
   3. Will QA use QA server?
   4. Will QA use Production server?
7. Schedule & Estimation
   1. API testing will take 24 man hour
   2. Test case create will take 24 man hour
   3. Manual test execution (if all payment related functionalities are functional) will take 32 man hours
   4. Test report will take 8 man hours
   5. Test delivery will take 8 man hours
8. Determine Test Deliverables
   1. Test deliverables are provided before testing phase.
      1. Test plans document.
      2. Test cases documents
      3. Test Design specifications.
   2. Test deliverables are provided during the testing
      1. Test Scripts
      2. Simulators.
      3. Test Data
      4. Test Traceability Matrix
      5. Error logs and execution logs.
   3. Test deliverables are provided after the testing cycles is over.
      1. Test Results/reports
      2. Defect Report
      3. Installation/ Test procedures guidelines
      4. Release notes