Automation Testing Project: E-commerce Requirement Document

# 1. Introduction

This document outlines the functional and non-functional requirements of an Online Book Store web application. The primary goal is to automate the testing process using Selenium and TestNG within a 7-day sprint. JIRA will be used for task management and timeline tracking.

# 2. Modules & Features

## - User Registration & Login

* • New user registration form (valid/invalid inputs)
* • Login functionality with valid/invalid credentials
* • Forgot password flow

## - Item Search & Filters

* • Search for a book by name/author/genre
* • Apply filters (price range, ratings, category)

## - Item Details Page

* • View book title, author, price, and description
* • Add book to cart from details page

## - Shopping Cart

* • Add to cart, remove from cart
* • Update quantity, verify price calculation

## - Checkout & Order Confirmation

* • Enter shipping details
* • Select payment method (dummy)
* • Place order and verify confirmation message

# 3. Non-Functional Requirements

• Cross-browser compatibility (Chrome, Firefox)  
• Responsive behavior  
• Page load speed < 3 seconds

# 4. Test Automation Scope

Selenium WebDriver with Java will be used to automate UI test cases. TestNG framework will manage the execution flow and generate reports. Assertions will validate the expected results.