

| Test Case ID | User Story ID | Title  | Objective  | Test Data   | Steps   | Expected Result  | Status |
|--------------|---------------|--|--|---|---|--|--------|
| TC - 012     | US 16         | Checkout Process   | The user is able to enter payment information and address into the system and it is sent to Stripe correctly | -Test Credit Card<br>-Test Address<br>-Test Order | 1. Create temporary order<br>2. Fill out checkout form and make sure front end generates Stripe Payment Token<br>3. Token and Order information is sent to Create Order endpoint<br>4. Payment Intent sent to Stripe for Processing | Payment successful:<br>Order is saved in Database and response sent to front end<br><br>Payment Unsuccessful:<br>Order is not saved in Database and error is sent to front end | PASS   |
| TC - 013     | US 17         | Order History  | The user can get a display of all completed orders   | -Test User<br>-Test Orders (1+)                   | 1. Fill user's account with test orders<br>2. User order history endpoint to get orders   | Orders are displayed to user in an easy to read way  | PASS   |
| TC - 014     | US 4          | Diversity of Recommendations                               | The user can use the recommendations sent to them to get a more diverse set of recommendations using a LLM   | -Test recommendations                             | 1. Have ML API generate recommendations for user<br>2. After recommendations are given click on diversify recommendations<br>3. Recommendations are sent to an LLM via an API call  | Books returned are in the same genre as ML recommendations but are more diverse highlighting newer and underrepresented authors.   | PASS   |
| TC - 015     | US 5<br>US 1  | Input and adjust likes and dislikes                        | The user will be able to adjust their likes and dislikes in the system                                       | -Test User  | 1. Go through signup process<br>2. Input liked genres<br>3. Adjust liked genres   | Liked genres are stored in DB  | PASS   |
| TC - 016     | US 6<br>US 7  | Specify preferred genre and base recommendations off of it | The user will be able to specify their favorite genre  | -Test User  | 1. Specify genres liked at sign up<br>2. Recommendations will take that into account  | Recommendations are generated based of preferred genre   | PASS   |
| TC - 017     | US 18         | Payment methods  | The user will be able to use all major credit cards  | -Test User<br>-Test Orders (1+)<br>-Test Cards    | 1. Go to checkout page<br>2. Submit test order with one type of test card<br>3. Submit another test order with different type of test card  | Different types of cards can be used to process orders   | PASS   |
| TC - 018     | US 15         | Manage shopping cart                                       | The user is able to add and remove items, and also will be able to change item quantity                      | -Test User<br>-Test Cart<br>-Test Items           | 1. Add items to cart<br>2. Remove items from cart<br>3. Change quantity of items in cart  | Each of these actions should persist to the database and be able to be retrieved.  | PASS   |
| TC - 019     | US 8          | Book detail page   | The user is able to click on any book and get a detail page with the full description and price              | -Test Book  | 1. From homepage click on any book listed<br>2. Should be taken to book detail page that has all relevant information on it<br>3. Should be able to return to previous page   | Book detail page will populate with description and details  | PASS   |