

Test Case Documentation

Test Case Chart

Test Case ID:	TC001	
Title:	Validate Book Recommendation Functionality	
Precondition:	The book dataset is loaded and the recommendation model is deployed.	
Assumption:	User provides a valid book title available in the dataset.	
Number of Test Cases	Sub Test Case	Description and Expected Results
1	TC001-1	Input a valid book title and expect the system to return the top 10 recommended books.
2	TC001-2	Input a book title with slight typos and expect the system to return the top 10 recommended books, handling the typo gracefully.
3	TC001-3	Input a book title not present in the dataset and expect the system to handle it with an appropriate error message.
Expected Result:	<ul style="list-style-type: none">• TC001-1: The system should return a list of 10 recommended books related to the input title.• TC001-2: The system should return a list of 10 recommended books, accounting for the typo in the input.• TC001-3: The system should display an error message indicating the book title is not found.	
Actual Result:	<ul style="list-style-type: none">• TC001-1: The system returned the correct list of 10 recommended books.• TC001-2: The system handled the typo and returned relevant recommendations.• TC001-3: The system displayed an appropriate error message.	
Actual Output:	<ul style="list-style-type: none">• TC001-1: [List of 10 recommended books]• TC001-2: [List of 10 recommended books with typo handling]• TC001-3: "Error: Book title not found."	
Pass/Fail:	<ul style="list-style-type: none">• TC001-1: Pass• TC001-2: Pass• TC001-3: Pass	

Test Case ID:	TC002	
Title:	Validate Book Recommendation with Fuzzy Matching	
Precondition:	The book dataset is loaded and the recommendation model with fuzzy matching is deployed.	
Assumption:	User provides a book title with potential typos.	
Number of Test Cases	Sub Test Case	Description and Expected Results
1	TC002-1	Input a valid book title with typos and expect the system to return the top 10 recommended books by matching the closest title.
2	TC002-2	Input a completely different book title and expect the system to return an empty list.
Expected Result:	<ul style="list-style-type: none"> • TC002-1: The system should return a list of 10 recommended books that closely match the intended title, accounting for typos. • TC002-2: The system should return an empty list indicating no close matches found. 	
Actual Result:	<ul style="list-style-type: none"> • TC002-1: The system returned a list of recommended books relevant to the intended title. • TC002-2: The system returned an empty list. 	
Actual Output:	<ul style="list-style-type: none"> • TC002-1: [List of 10 recommended books accounting for typos] • TC002-2: [] 	
Pass/Fail:	<ul style="list-style-type: none"> • TC002-1: Pass • TC002-2: Pass 	