SPSE Jecna Test Case

Test Case ID: TC_02	**Test Designed by:** Milana Poljanskova

Test Name: Add, Edit, Delete Book, Transfer Authorship

Brief description: Verify full CRUD operations for books and test the transfer authorship transaction.

Pre-conditions: Database library exists **Application launched successfully** **Initial data imported (authors, publishers, genres)** **User has access to all tabs**

Dependencies and Requirements: Python 3.x MS SQL Server running Tkinter, pyodbc, configparser installed

Step	Test Steps	Test Data	Expected Result	Notes
1	Open Books tab		Books tab displayed; existing books listed	
2	Click "Add book"	Name: Test Book Publisher: First Publisher Date: 2026-01-01 Rating: 4.5 Binding: hardcover Authors: John Doe	Book added to book and book_author tables	Transaction ensures both tables updated; success message displayed
3	Edit selected book	Change rating to 3.0	Book updated; rating changes in treeview and DB	
4	Delete selected book		Book removed from book and corresponding book_author	Transaction ensures consistency

			entries	
5	Transfer authorship	Book with multiple authors From author: John Doe To author: Jane Smith	Old author deactivated, new author assigned	Transaction ensures atomicity
6	Verify author email & active status		Treeview displays email and is_active correctly	
7	Attempt invalid input	Rating: 6	Error dialog shown; data not saved	Input validation prevents invalid entries
8	Attempt empty mandatory field		Error dialog shown; operation cancelled	