

App Start Test Case

Test Case ID: T_0	Test Designed by: Michal Bielina
Test Name: Program Required Behavior Verification	
Brief description: Testing if the program can be run and works correctly.	
Pre-conditions: Locate the project repository. Read the README.md file thoroughly and follow provided instructions. Read the documentation provided in the project. The database which will be accessed by the app must be in the correct format and edited according to README.md using the provided SQL scripts.	
Dependencies and Requirements: Windows OS, software must support WPF C# framework, .NET 8.0 (or compatible version).	

Step	Test Steps	Test Data	Expected Result	Notes
1	Download the project release.	-	Release successfully downloaded.	Either .zip or .tar file.
2	Locate App.config (BookOrg.dll.config in the release) and open in a text editor.	-	App.config (BookOrg.dll.config in the release) opens successfully.	-
3	Insert login credentials into	School-provided login credentials for the DB.	File accepts edits, credentials are usable.	Program uses Microsoft SQL Server. Use the specific data provided by the institution.
4	Locate the executable file in the release and double-click to run.	-	Successfully connects to the database.	A pop-up should appear informing of the connection status.
5	Wait for the connection process to finalize.	-	A new window with the main menu appears.	-

Test Case ID: T_1	Test Designed by: Michal Bielina
Test Name: Program Invalid Config Detection	
Brief description: Testing if the program detects an incorrectly defined configuration file.	
Pre-conditions: T_0 successful. Followed instructions in README.md, read the project documentation.	
Dependencies and Requirements: Windows OS, software must support WPF C# framework, .NET 8.0 (or compatible version).	

Step	Test Steps	Test Data	Expected Result	Notes
1	Locate App.config (BookOrg.dll.config in the release) and open in a text editor.	-	App.config (BookOrg.dll.config in the release) opens successfully.	-
2	Insert invalid credentials into App.config (BookOrg.dll.config in the release).	Invalid Login credentials.	App.config (BookOrg.dll.config in the release) is edited.	-
3	Add additional invalid data to the file.	New invalid rows, typos, etc..	App.config (BookOrg.dll.config in the release) is edited.	-
4	Locate the executable file and double-click to run.	-	Connection is denied; user is informed of failure.	An error window should appear stating the DB connection failed.
5	Repeat steps 1-4 using different variations of invalid data.	Various invalid data sets.	Program detects invalid config every time.	Results must consistently correspond to reality.