

SPSE Jecna Test Case

Test Case ID: APP_01
Test Designed by: Miro Slezák
Test Name: Application Launch and Database Structure Import
Brief description: Verify successful application launch, configuration validation, and database structure import via XML.

Pre-conditions

- `HotelManager` is installed on the system.
 - `complex_tableset.xml` file is available in a known directory.
 - SQL Server Express LocalDB is installed and running.
 - Connection string in `App.config` is correctly configured.
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Dependencies and Requirements

- Software:**
- Windows OS (10/11)
 - .NET Framework 4.7.2+
 - SQL Server Express LocalDB
- Hardware:**
- 2 GHz CPU, 4 GB RAM, 500 MB disk space
- Other:**
- `complex_tableset.xml` (sample dataset) from `/TestingResources/DataSets/`
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Step	Test Steps	Test Data	Expected Result	Notes
1	Launch the application.	<code>HotelManager.exe</code>	Main window appears with a loading panel, followed by the main menu.	Ensure no firewall blocks the application.

2	Click "Import Tabulek" button on the main menu.	N/A	DataLoaderForm opens with file browse/drag-and-drop options.	Verify UI responsiveness.
3	Import complex_tableset.xml via drag-and-drop or Procházet button.	complex_tableset.xml (valid structure)	File path is displayed in the text field.	If XML is invalid, show error message.
4	Click "Načíst" to import data.	N/A	"Data imported successfully!" message. Database tables are created in HotelDB.	Check SQL Server Object Explorer for Rooms, Persons, Orders tables.
5	Click "Vyhledat" to search tables.	N/A	SearchForm Opens with search option dropdown	Ensure no errors occur during navigation.
6	Click "Vyhledat" again to look through all order tables.	N/A	Imported orders and their contents get listed	Ensure no errors occur during navigation.
7	Double click on a cell to further verify data	N/A	Opens EditOrderForm and displays data	Ensure no errors occur during navigation.

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- **Validation Criteria:**
 - Database tables match the schema defined in complex_tableset.xml.
 - Application UI reflects imported data (e.g., rooms listed in dropdowns).
 - No errors in logs during import.