Smoke test

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| **No.** | **Requirements** | **Module** | **Sub-module/Screen** | **Test case description** | **Expected result** | **Comments** |
| 1 | 1 | Opening |  | **The application starts correctly (english language is expected)**  Preparations: The test application must be installed on the computer, the application icon must be placed on the desktop.  1. Double-click on the application icon on the desktop. | 1. Appearance of the application interface, containing tabs “General”, “Husband”, “Wife”, “Child”, area for input, buttons for loading, opening and saving file. Tab “General” should be chosen by default. |  |
| 2 | 1 | Menu |  | **Menu buttons work correctly**  Preparations: The test application must be running.  1. Sequentially, use the mouse pointer to click on menu tabs “General”, “Husband”, “Wife”, “Child”  2. Sequentially click on file new, open, save buttons | 1. After clicking on each of the tabs, the corresponding fields should appear in the form.  2. When you click “New database”, new file should be created, “General” tab should be chosen, all fields should become empty. When you click “Open database” form of choosing a file should appear. After clicking necessary file and pushing “OK” button, fields should filled with related to chosen file data. When you click “Save database” file should be saved if it possible. |  |
| 3 | 1 | Input forms |  | **The required forms are displayed correctly**  Preparations: Tab “General” should be chosen  1. Click on input form “Date of marriage”  2. Type “tenth of september two years ago” inside input form “Date of marriage” | 1. Appearance of date choosing form (“Calendar”).  2. Form of input data different from format “Date” should be ignored. |  |
| 4 | 1 | “Child” tab |  | **New buttons and table should appear**  1. Click on menu tab “Child” | 1. Three buttons should appear at the left side under menu tabs: “Add child”, “Del child” and “Edit child” respectively. Empty table with three columns “Name”, “Height”, “BirthDate” appears. |  |
| 5 | 2 | “Child” tab |  | **New child should be added**  Preparations: tab “Child” should be chosen  1. Click button “Add child”  2. Enter a string “Igor” in the input form “Name”  3. Enter a string “190” in the input form “Height”  4. Click on the input form “BirthDate”  5. Choose 10.10.1970 date from calendar  6. Click on button “OK” | 1. New form with fields “Name”, “Height”, “BirthDate” appears.  2. String “Igor” appears in the input field “Name”  3. String “190” appears in the input field “Height”  4. Date choosing form (“Calendar”) appears  5. Date “10.10.1970” appears in the input form “BirthDate”  6. Form closes. New row with corresponding to previous steps data appears in table. |  |
| 6 | 2 | “Child” tab |  | **Edit existing entry about child in the table**  Preparations: tab “Child” should be chosen. Row with Name “Igor” must be present in the table.  1. Select row of the table, where column “Name” is “Igor” and column “Height” is “190”.  2. Push button “Edit child”  3. Replace text in the input form “Height” with string “179”  3. Push button “OK” | 1. Row with where column “Name” is “Igor”, “Height” is “190” becomes highlighted.  2. Form with fields “Name”, “Height”, “BirthDate” and data inside them “Igor”, “190”, “10.10.1970” respectively.  2. String inside field “Height” becomes “179”  3. Form was closed. Corresponding row in the table now displayed with height “179” |  |
| 7 | 2 | “Child” tab |  | **Delete existing entry about child in the table**  Preparations: tab “Child” should be chosen. Row with Name “Igor” must be present in the table.  1. Select row of the table, where column “Name” is “Igor”.  2. Push button “Del child”  3. Push button “OK” | 1. Row with where column “Name” is “Igor” becomes highlighted.  2. Delete confirmation form appears. It contains message and two button: “OK” and “Cancel”.  3. Form was closed. Row is absent in table. |  |

Critical path check-list

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| **Module** | **Item** | **Comments** |
| Opening | Opening 3 applications at the same time |  |
| Saving | Saving input results in file with unique name |  |
| Saving input results in file with already existing name |  |
| Loading | Loading saved file with data |  |
| Exit | Exit without saving |  |
| Exit with saving |  |
| Cancel exit |  |

Critical path test

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Requirements** | **Module** | **Sub-module/Screen** | **Test case description** | **Expected result** |
| 1 | 3 | Opening |  | **Opening 3 applications at the same time**  1. Double-click on the application icon on the desktop.  2. Double-click on the application icon on the desktop.  3. Double-click on the application icon on the desktop. | 1. The appearance of the application interface.  2. The appearance of another instance of the application.  3. The appearance of the third instance of the application. All three are displayed correctly. |
| 2 | 2 | Saving |  | **Saving results to file**  Preparations: form fields should contain not empty valid data  1. Click “Save database” button  2. Type unique name of the file “qwerty” to the field input  3. Push button “OK” | 1. Form with field “FileName” appears.  2. String “qwerty” appears in field “FileName”.  3. File with name “qwerty” saved. |
| 3 | 2 | Saving |  | **Existing file name during saving**  Preparations: form fields should contain not empty valid data. File “qwerty” should already be saved  1. Click “Save database” button  2. Type already existing name of the file “qwerty”  3. Push button “OK” | 1. Form with field “FileName” appears.  2. String “qwerty” appears in field “FileName”.  3. Warning box appears with message, that file name “qwerty” is already used. |
| 4 | 2 | Loading |  | **Open saved previously file**  Preparations: File “qwerty” should already be saved  1. Click “Open database” button  2. Select file “qwerty”  3. Push button “OK” | 1. Open file dialog appears with list of previously save files  2. File with name “qwerty” highlighted  3. File “qwerty” loaded, fields filled with corresponding data form file |
| 5 | 3 | Exit |  | **Exit without saving**  Preparations: The test application should be open. Any data must be entered.  1. Click on the cross to close the application.  2. Click on the "Do not save" button. | 1. A dialog box appears with the text "Result not saved. Exit?" and buttons "Save", "Do not save", "Cancel".  2. The dialog box closes. The application is closing. |
| 6 | 3 | Exit |  | **Exit with saving**  Preparations: The test application should be open. Any date must be entered.  1. Click on the cross to close the application.  2. Click on the "Save" button.  3. Type unique name of the file “west-3” to the field input  4. Push button “OK” | 1. A dialog box appears with the text "Result not saved. Exit?" and buttons "Save", "Do not save", "Cancel".  2. Form with field “FileName” appears.  3. String “west-3” appears in field “FileName”.  4. File with name “west-3” saved. The dialog box closes. The application is closing. |
| 7 | 3 | Exit |  | **Cancel exit**  Preparations: The test application should be open. Any data must be entered.  1. Click on the cross to close the application.  2. Click on the "Cancel" button. | 1. A dialog box appears with the text "Result not saved. Exit?" and buttons "Save", "Do not save", "Cancel".  2. The dialog box closes. The application remains open. |