Writers and publications

Vision

'Writers and publications' is a web-application which allows users to record information about the writers and the publications they've written. The application should provide:

- storing publications and writers in a database;
- viewing the list of publications;
- changing the list of publications (adding, editing, removing);
- viewing the list of writers;
- changing the list of writers (adding, editing, removing);
- displaying number of the writer's publications;
- publication filtration by date.

1. Publications
1.1. Show the list of publications

Main script

1) User clicks 'Publications' button.
2) Then the list of publications appears. It is a table with 5 columns:
   - Name – name of the publication.
   - Writer – writer of the publication.
   - Date– date of the publication.
   - Number of pages.
   - Description - some information about the publication.

   Information is displayed in alphabetical order by name.

Fig. 1.1 Show the list of publications

Filtration by date

It is possible to view the list of publications made during a certain period of time. To do this user can choose start and end dates and use filter by date.

Start date mustn't be greater than end date.

Default and minimal value of start date: 01.01.2000.

Default and maximal value of end date: today's date.

User clicks 'Update' button and then the data is updated and displayed.

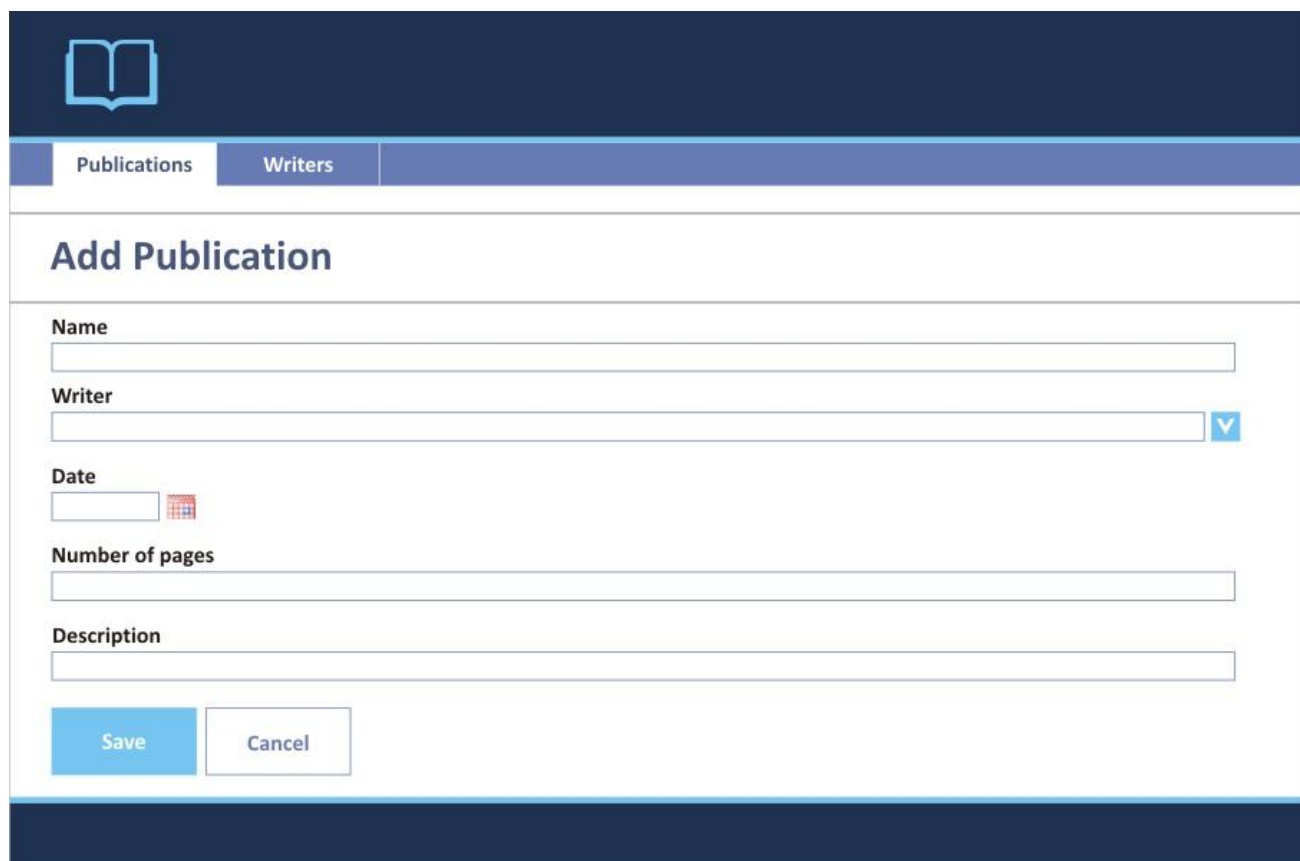## 1.2. Add a publication to the list

This mode is used for adding a new publication to the list of publications.

Main script

1) In mode 'Show the list of publications' user clicks 'Add' button.
2) An adding form appears.
3) User fills in all necessary fields and then clicks 'Save' button.
4) If entered data is incorrect, a warning message is shown ('Some of the fields are incorrectly filled in. Please, check and fix them up.').
5) If entered data is correct, then the publication is added to the database.
6) If an error connected with saving data occurs, an error message appears ('An error occurred while saving the record to the database.').
7) If any other errors occur, a corresponding error message appears.
8) If the publication is successfully added to the database, the list of publications is displayed.

Cancel script

1) In mode 'Show the list of publications' user clicks 'Add' button.
2) An adding form appears.
3) User fills in some fields and then clicks 'Cancel' button.
4) Entered data isn't saved in the database and the list of publications is displayed.

Fig. 1.2 Add a publication to the list

Fields which are used in adding and their validation:

- Name
  Borders: 1 – 255 characters. Obligatory.
- Writer
  It is chosen from all existing writers. Obligatory.
- Date
  Date value. Borders: 01.01.2000 – today's date. Default: today's date. Obligatory.
- Number of pages
  Integer value. Borders: 1 – 9999. Optional.
- Description
  Borders: 0 – 255 characters. Optional.

1.3. Edit a publication from the list

This mode is used for editing a publication from the list of publications.

Main script

1) In mode 'Show the list of publications' user clicks 'Edit' button in the row with a chosen publication.
2) An editing form appears with the fields filled in.
3) User edits all necessary fields and then clicks 'Save' button.
4) If entered data is incorrect, a warning message is shown ('Some of the fields are incorrectly filled in. Please, check and fix them up.').
5) If entered data is correct, then the publication is updated in the database.
6) If an error connected with saving data occurs, an error message appears ('An error occurred while updating the record in the database.').
7) If any other errors occur, a corresponding error message appears.
8) If the publication is successfully updated in the database, the changed list of publications is displayed.

Cancel script

1) In mode 'Show the list of publications' user clicks 'Edit' button in the row with a chosen publication.
2) An editing form appears with the fields filled in.
3) User edits some fields and then clicks 'Cancel' button.
4) Entered data isn't saved in the database and the list of publications is displayed.

Fig. 1.3 Edit a publication from the list

Validation and fields which are used in editing are the same as in adding. (see sect. 1.2.):

- Name
- Writer
- Date
- Number of pages
- Description

1.4. Remove a publication from the list

This mode is used for removing a publication from the list of publications.

Main script

1) In mode 'Show the list of publications' user clicks 'Delete' button in the row with a chosen publication.
2) A confirm dialog window is displayed. ('Do you really want to delete the publication '<name of publication>'?')
3) User clicks 'Yes' button.
4) The publication is deleted in the database.
5) If an error connected with deleting data occurs, an error message appears ('An error occurred while deleting the record from the database.').
6) If the publication is successfully deleted from the database, the changed list of publications is displayed.

Cancel script

1) In mode 'Show the list of publications' user clicks 'Delete' button in the row with a chosen publication.

2) A confirm dialog window is displayed. ('Do you really want to delete the publication '<name of publication>'?')
3) User clicks 'No' button.
4) The publication is not deleted in the database and the list of publications is displayed.

Fig. 1.4 Remove a publication from the list

2. Writers.
2.1. Show the list of writers

This mode is used for displaying the list of writers.

Main script

1) User clicks 'Writers' button.
2) Then the list of writers appears. It is a table with 6 columns:
   - Name – the writer's name and surname.
   - Country – the writer's country.
   - Number of publications – number of the writer's publications.

Fig. 2.1 Show the list of writers

2.2. Add a writer to the list

This mode is used for adding a new writer to the list of writers.

Main script

1) In mode 'Show the list of writers' user clicks 'Add' button.
2) An adding form appears.
3) User fills in all necessary fields. and then clicks 'Save' button.
4) If entered data is incorrect, a warning message is shown ('Some of the fields are incorrectly filled in. Please, check and fix them up.').
5) If entered data is correct, then the writer is added to the database.
6) If an error connected with saving data occurs, an error message appears ('An error occurred while saving the record to the database.').
7) If any other errors occur, a corresponding error message appears.
8) If the writer is successfully added to the database, the list of writers is displayed.

Cancel script

1) In mode 'Show the list of writers' user clicks 'Add' button.
2) An adding form appears.
3) User fills in some fields and then clicks 'Cancel' button.
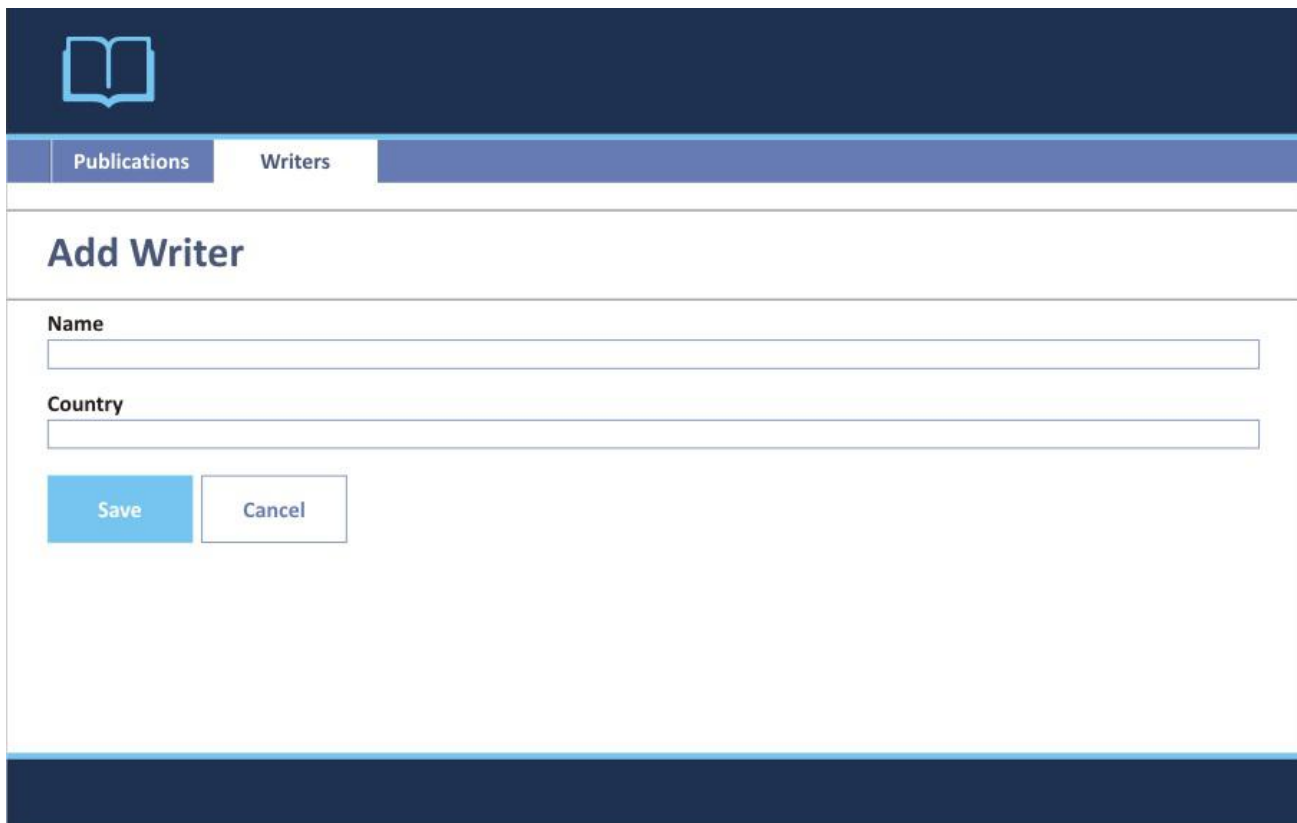4) Entered data isn't saved in the database and the list of writers is displayed.

Fig. 2.2 Add a writer to the list

Fields which are used in adding and their validation:

- Name
  Borders: 3-255 characters. Obligatory.
- Country
  Borders: 3-63 characters. Obligatory.

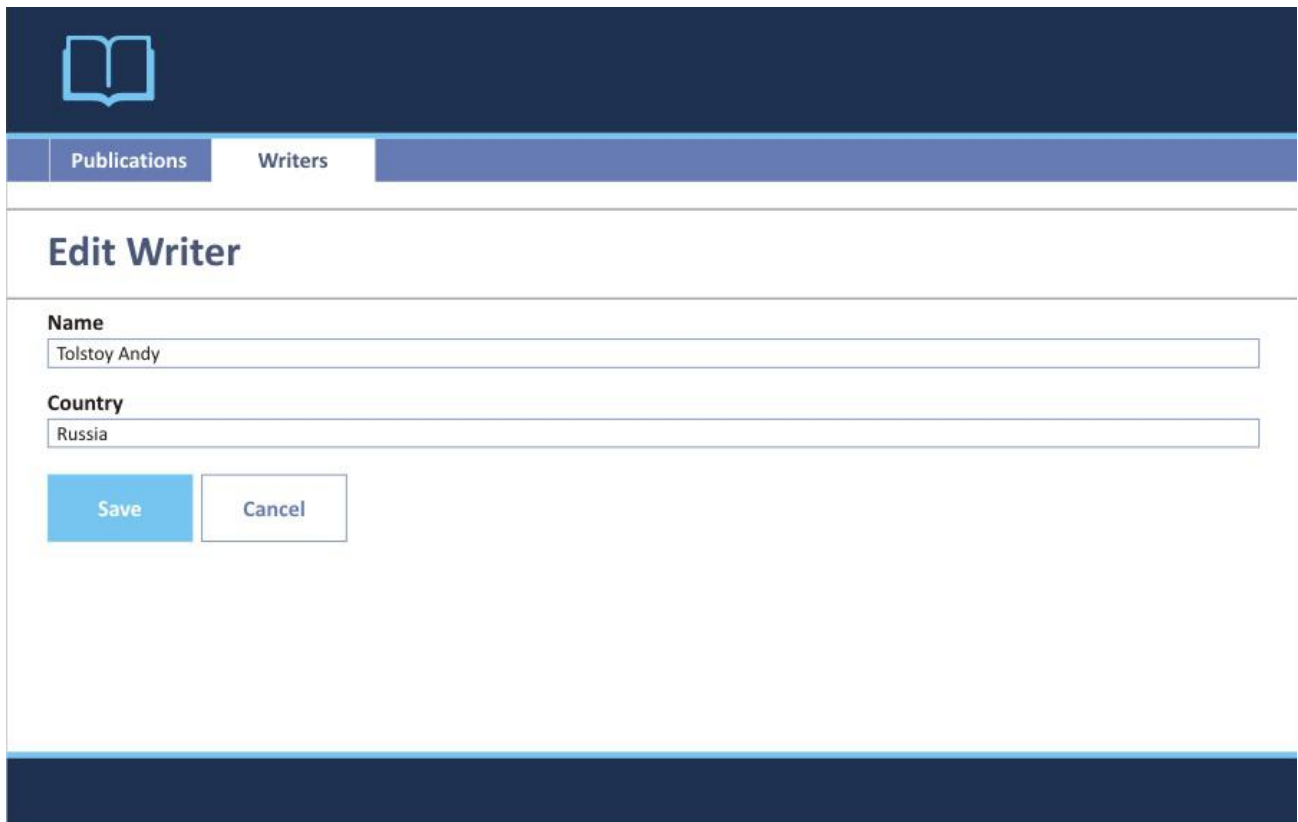## 2.3. Edit a publication from the list

This mode is used for editing the writer form the list of writers.

Main script

1) In mode 'Show the list of writers' user clicks 'Edit' button in the row with a chosen writer.
2) An editing form appears with the fields filled in.
3) User edits all necessary fields and then clicks 'Save' button.
4) If entered data is incorrect, a warning message is shown ('Some of the fields are incorrectly filled in. Please, check and fix them up.').
5) If entered data is correct, then the writer is updated in the database.
6) If an error connected with saving data occurs, an error message appears ('An error occurred while updating the record in the database.').
7) If any other errors occur, a corresponding error message appears.
8) If the writer is successfully updated in the database, the changed list of writers is displayed.

Cancel script

1) In mode 'Show the list of writers' user clicks 'Edit' button in the row with a chosen writer.
2) An editing form appears with the fields filled in.
3) User edits some fields and then clicks 'Cancel' button.
4) Entered data isn't saved in the database and the list of writers is displayed.

Fig. 2.3 Edit a writer from the list

Validation and fields which are used in editing are the same as in adding. (see sect. 2.2.)

- Name
- Country

2.4. Remove a writer from the list

This mode is used for removing a writer from the list of writers.

Main script

1) In mode 'Show the list of writers' user clicks 'Delete' button in the row with a chosen publication.
2) If this writer has at least one of his publications in the list of publications, a warning message is shown. ('This writer cannot be deleted because he has some publications in the publication list. To delete him first remove all of his publications.')
3) Otherwise confirm dialog window is displayed. ('Do you really want to delete the writer '<name of writer>'?')
4) User clicks 'Yes' button.
5) The writer is deleted in the database.
6) If an error connected with deleting data occurs, an error message appears ('An error occurred while deleting the record from the database.').
7) If any other errors occur, a corresponding error message appears.
8) If the writer is successfully deleted from the database, the changed list of writers is displayed.

Cancel script

1) In mode 'Show the list of writers' user clicks 'Delete' button in the row with a chosen writer.

2) If this writer has at least one of his publications in the list of publications, a warning message is shown. ('This writer cannot be deleted because he has some publications in the publication list. To delete him first remove all of his publications.')
3) Otherwise confirm dialog window is displayed. ('Do you really want to delete the writer '<name of writer>'?')
4) User clicks 'No' button.
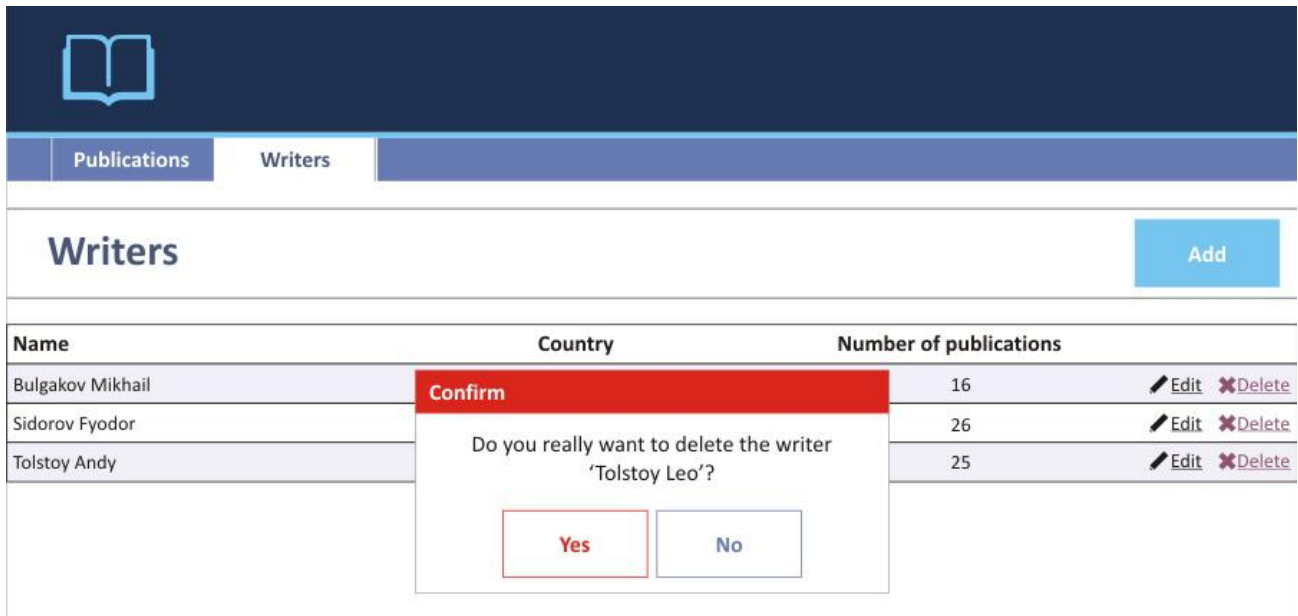5) The writer is not deleted in the database and the list of writers is displayed.

Fig. 2.4 Remove a writer from the list