Online Library

Administrator manual

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Functionality

Online Library is a web application that servers as a tool for managing data about books within a library. Each book entry has following information:

- Title
- Author
- Genre
- Quantity of pages
- Quantity of books available for reservation

Application is secured, its features can be used only by registered users. There are two roles with different permission level.

Regular user without administrative rights can browse through the whole list of books or use search field, that works not only with books, but also with author names and genres. After choosing the right book the user has a possibility to make a reservation for it, after what he/she will receive a confirmation e-mail with a unique key and an invitation to pick it up in the next 24 hours.

Administrator has additional possibilities to create new books, authors, genres, users and also edit and delete them.

Getting started

Online library application works with MySQL database. Database contains an already created administrator account. To add new administrator, an existing user role must be updated in library database table 'role' from 'ROLE_USER' to 'ROLE_ADMIN'. New users can be created via web application and will have assigned default role 'ROLE_USER'.
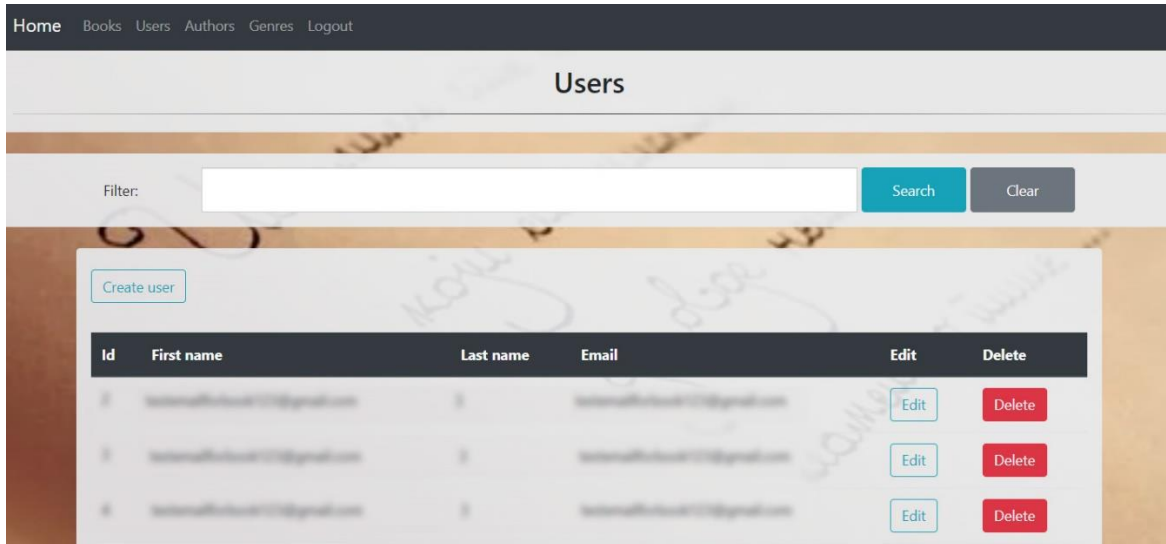
Database also contains a list with available books. New entries can be added via library website or directly into the database.

User administration

Navigate to tab 'Users'.

From there you can:

- Add new users by clicking 'Crate user button'
- Edit user
- Delete user
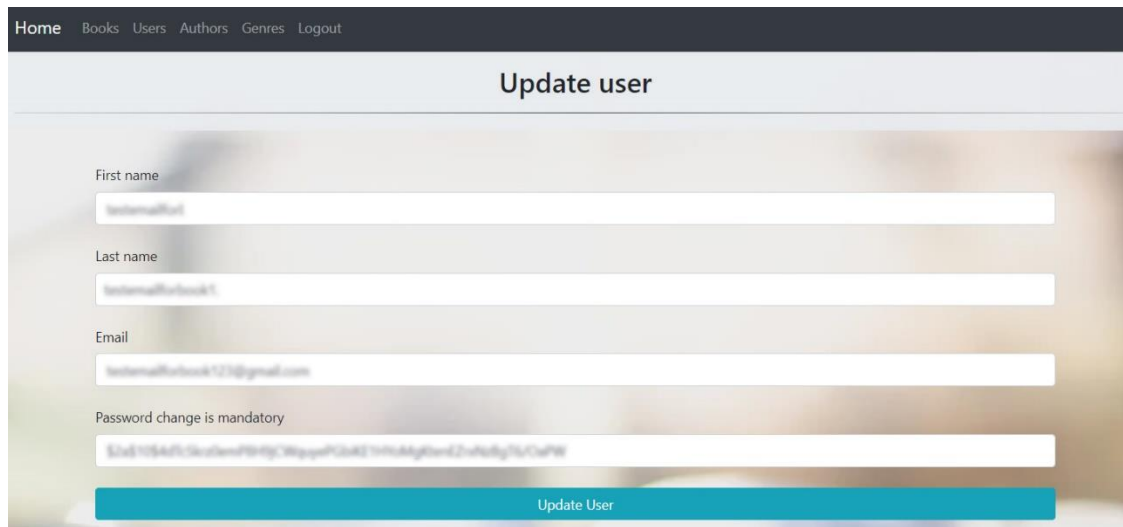
When creating a new user, following information is needed:

- First name
- Last name
- Email
- Password (must be minimum 6 symbols). Passwords are stored in crypted form.

To update existing user information, chose 'Edit' button on the right side of the user table.

Book list administration
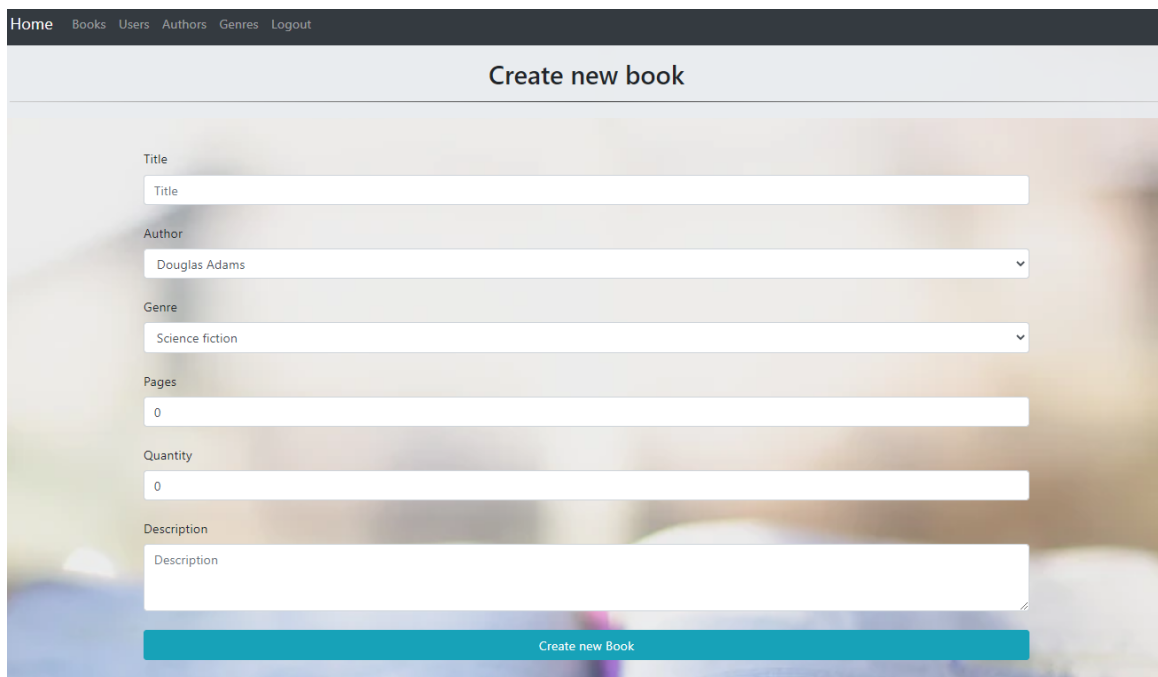
Updating books

Navigate to tab 'Books'

To create new book chose button 'Create book' in the main Books page.

Following information must be provided:

- Title
- Author
- Genre
- Quantity of pages
- Quantity of books in stock
- Description

Note: Incase author and genre are not listed in relevant menus, they must be created before creation of the book. See chapters 'Updating genres' and 'Updating authors'.

Book information can be updated by clicking on book title in the main Books page.
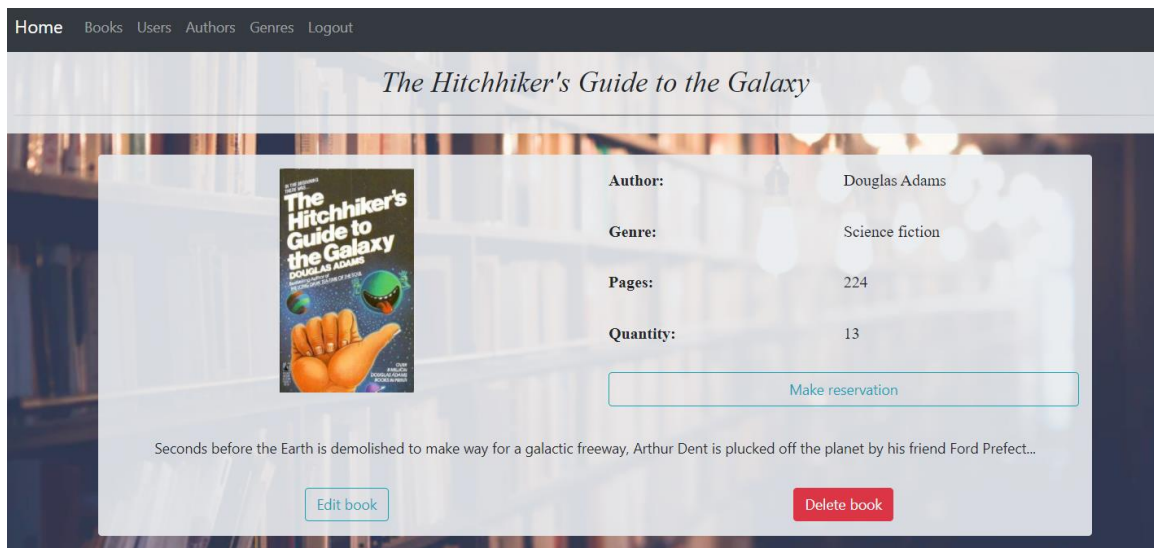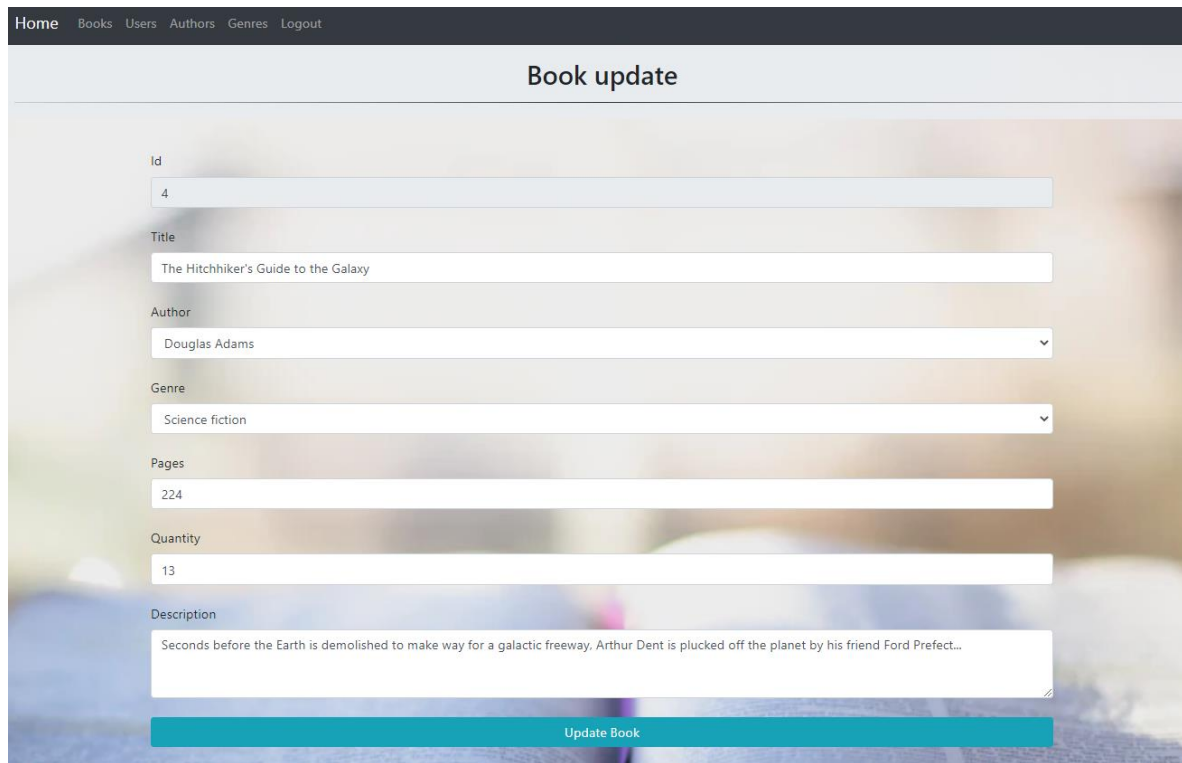

Image above shows features that are hidden from regular user. Book information can be updated by clicking button 'Edit book'. Books can be removed from database by choosing option 'Delete book'.

Function 'Make reservation' are designed for regular users. When book reservation is made, a confirmation email is sent to the customer and he can visit the library to collect the book.

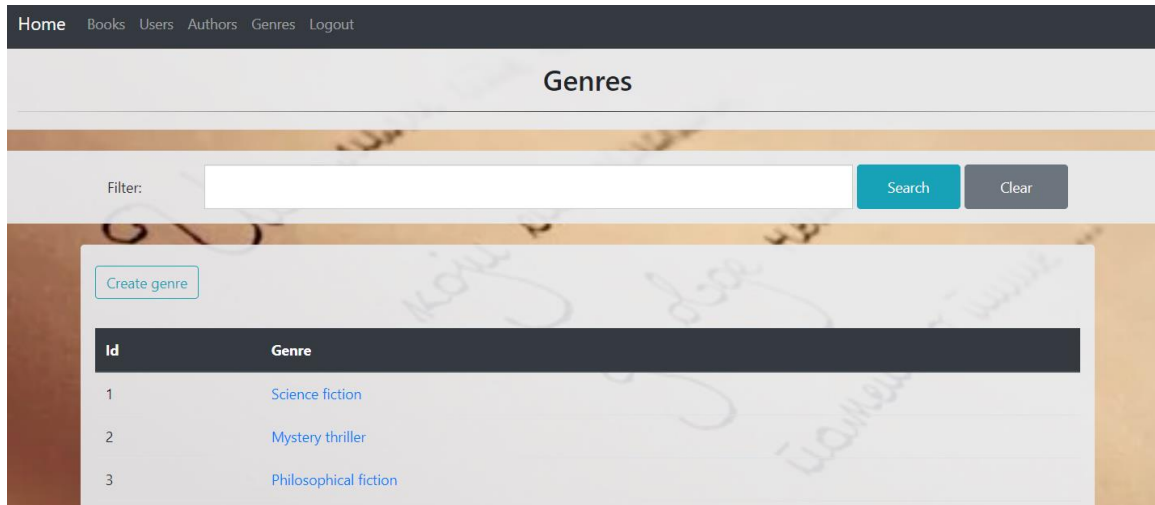Book update window is shown in following image:
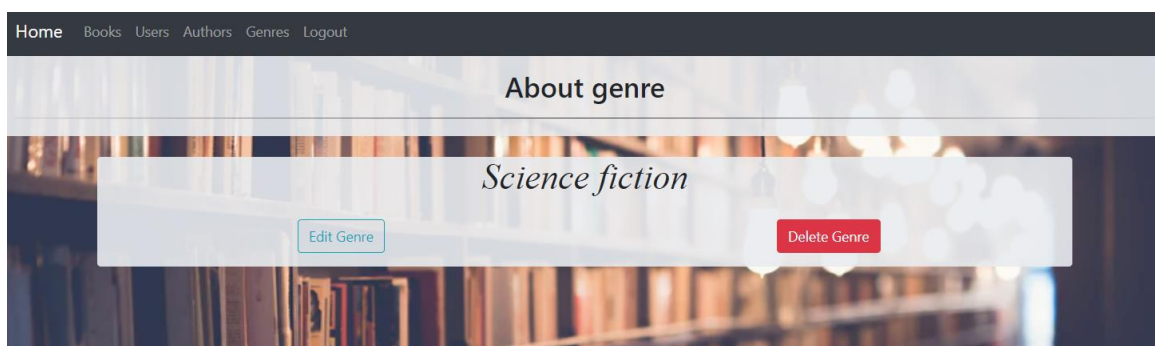
Updating genres

Navigate to tab 'Genres'

From there you can create new genre by clicking button 'Create genre'.
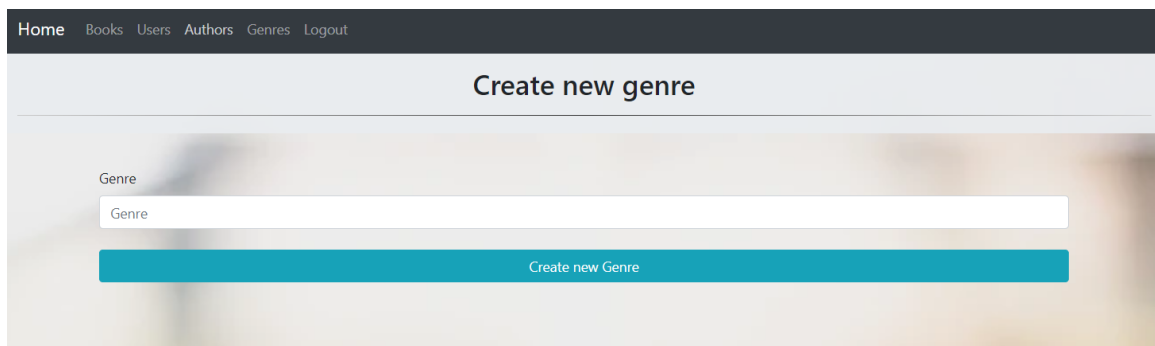
To update or delete an existing entry, click on genre title on main Genre list page.

Updating authors

Navigate to tab 'Authors'

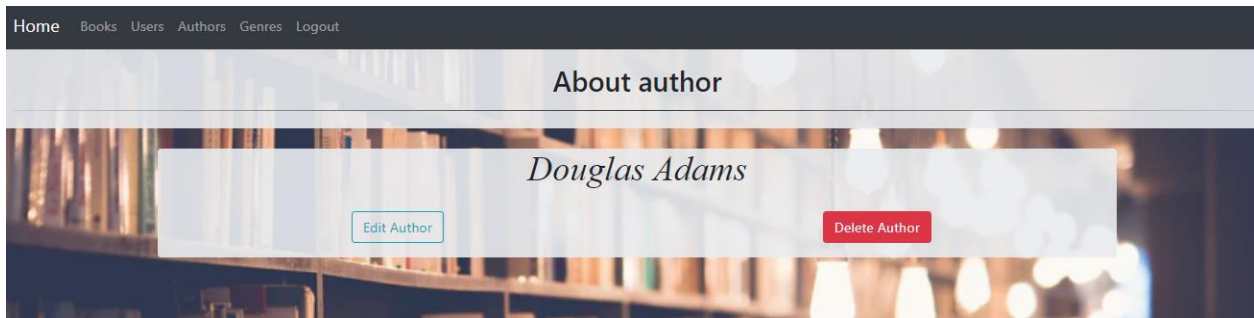From there you can create new genre by clicking button 'Create genre'.

Following information must be provided:

- First name
- Last name

Confirm action by clicking on button 'Create new Author'.

Author information can be updated by clicking on author first name or last name in the main Authors page.

In this page author entries can also be removed from database by clicking 'Delete Author'.