

User documentation

Library management system “Biblius”

Team number 4

Table of contents

1. Functionalities available to unregistered users.....	3
1.1. User account registration.....	3
2. Functionalities available to registered users without special permissions.....	4
2.1. Resetting a user account password.....	4
2.2. Logging into a user account.....	6
2.3. Viewing more information about a book	8
2.4. Adding a review for a book	9
2.5. Editing a review for a book.....	10
2.6. Deleting a review for a book	11
2.7. Zarezerwowanie woluminu książki.....	11
2.8. Comparing two books	12
2.9. Searching for books	14
2.10. Sorting books.....	15
2.11. Filtering books	16
2.12. Viewing reservations and borrowings.....	17
2.13. Canceling reservation	18
2.14. Contacting the library.....	19
2.15. Updating user account information	19
2.16. Logging out of the user account.....	22
3. Functionalities available to registered users with administrator permissions	22
3.1. Managing user accounts.....	23
3.2. Changing permissions of other user accounts	24
3.3. Opening the library management panel	25
3.4. Adding a book.....	26
3.5. Editing a book.....	27
3.6. Deleting a book.....	29
3.7. Adding an Author	29
3.8. Editing an Author.....	31
3.9. Deleting an Author	31
3.10. Adding a book volume.....	32
3.11. Deleting a book volume.....	33
3.12. Loaning a book to a user	33
3.13. Extending the loan of a book volume.....	35
3.14. Returning a book volume	36
List of pictures	37

1. Functionalities available to unregistered users

This chapter describes the functionalities available to unregistered users. These functionalities are limited, as unregistered users only have access to account registration.

1.1. User account registration

Before proceeding with account registration, the system must be launched and accessed. Once this is done, the guest homepage will be displayed. The guest homepage view is shown in picture 1.1.



Picture 1.1 Guest Homepage View.

Next, click the "Rejestracja" link located in the top-right corner of the homepage, which will redirect to the registration form. The registration form view is presented in picture 1.2.

The image shows a web application interface for user registration. At the top, there is an orange header bar with the text "Strona Główna" on the left and "Rejestracja" and "Logowanie" on the right. The main content area has a light gray background. In the center, there is a white registration form with a blue header that says "Zarejestruj się". The form contains three input fields: "Email", "Hasło", and "Potwierdź Hasło". Below these fields is a blue button labeled "Zarejestruj". Under the button is a link that says "Masz już konto? Zaloguj się". At the bottom of the page, there is a dark gray footer bar with the text "© 2024 - System Zarządzania Biblioteką".

Picture 1.2 User account registration form view.

After entering an email and a password that meet the requirements, the account registration will be successfully completed. From this point on, the user can log into their account and access the full system features, depending on the permissions they have. How to use these features is described in later chapters of this documentation.

2. Functionalities available to registered users without special permissions

This chapter describes the functionalities available to registered users who do not have any special permissions. These users can access many system features. A registered user without special permissions will be referred to as a "reader" in the remainder of this documentation.

2.1. Resetting a user account password

After launching and accessing the system, the guest homepage will be displayed (picture 1.1). Then, click the "Logowanie" link located in the top-right corner of the homepage, which will redirect to the user account login form. The login form view is presented in picture 2.1.

The screenshot shows a web application interface with a dark orange header bar. On the left, it says "Strona Główna". On the right, there are links for "Rejestracja" and "Logowanie". The main content area is light gray and contains a white login form with a blue header "Zaloguj się". The form has two input fields: "Email" and "Hasło". Below the "Hasło" field is a checkbox labeled "Zapamiętaj mnie". A blue button labeled "Zaloguj się" is positioned below the checkbox. Underneath the button are two blue links: "Zapomniałeś hasła?" and "Zarejestruj się". At the bottom of the page, there is a footer bar with the text "© 2024 - System Zarządzania Biblioteką".

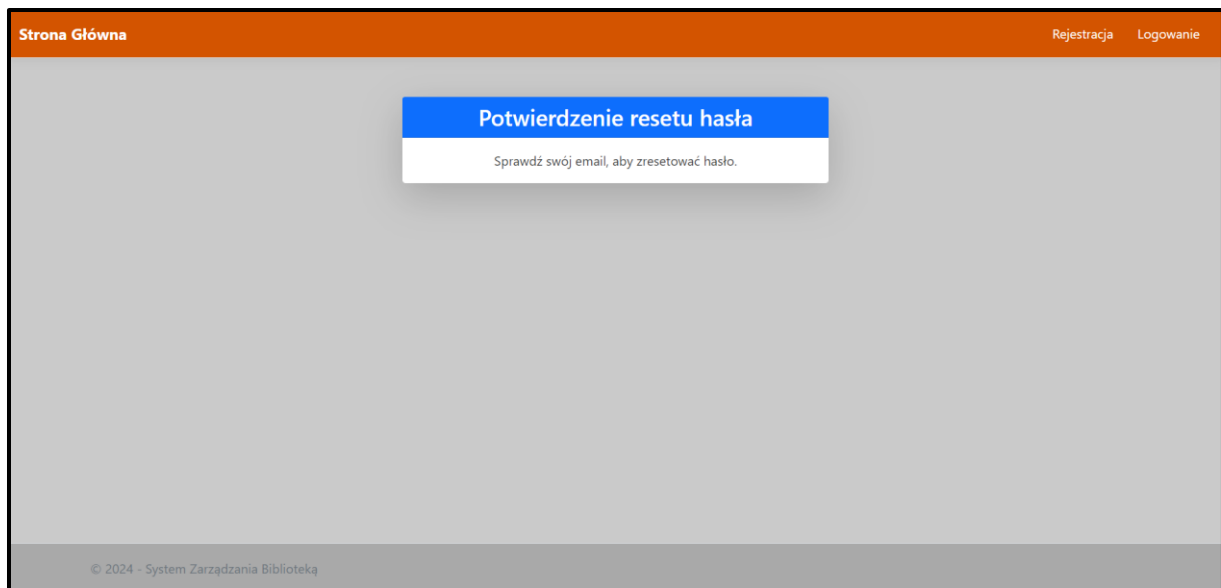
Picture 2.1 User Account Login Form View.

To reset the account password, click the "Zapomniałeś hasła?" link located below the "Zaloguj się" button. The password reset form view is shown in picture 2.2.

The screenshot shows the same web application interface as Picture 2.1, but with the password reset form displayed. The form has a blue header "Zapomniałeś hasła?". It contains a single input field labeled "Email". Below the input field is a blue button labeled "Zresetuj hasło". The header bar, footer bar, and navigation links remain the same as in Picture 2.1.

Picture 2.2 User Account Password Reset Form.

After entering the email address associated with the registered account, a confirmation view will be displayed, indicating that a link to reset the password has been sent to the provided email address. This confirmation view is shown in picture 2.3.

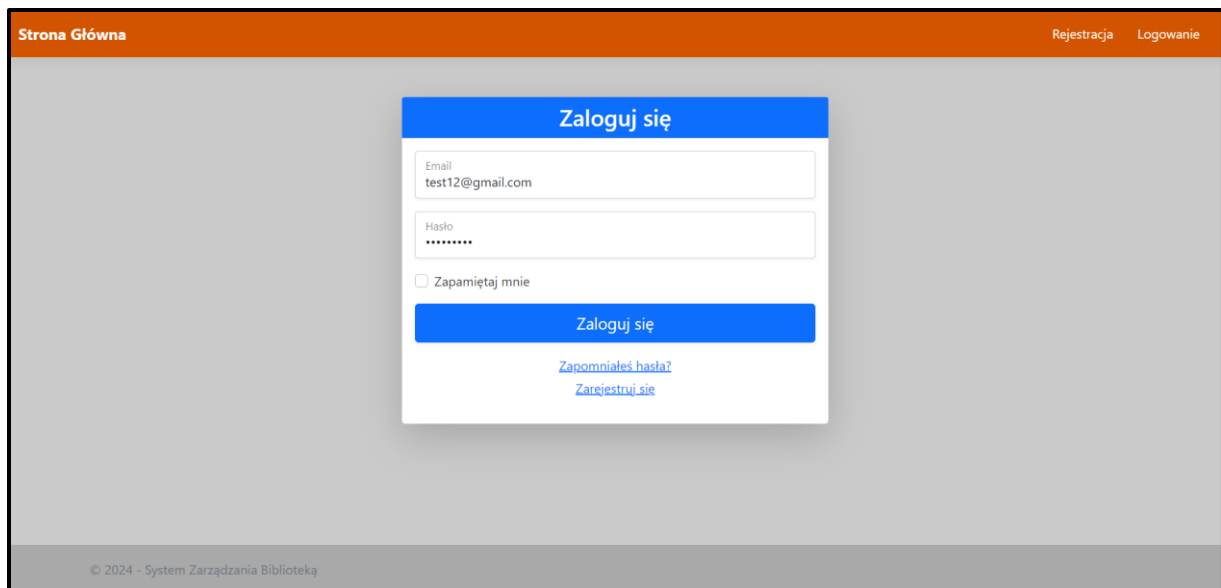


Picture 2.3 Confirmation View for Sending the Password Reset Link.

Next, access the email inbox of the specified address and click the link to reset the user account password.

2.2. Logging into a user account

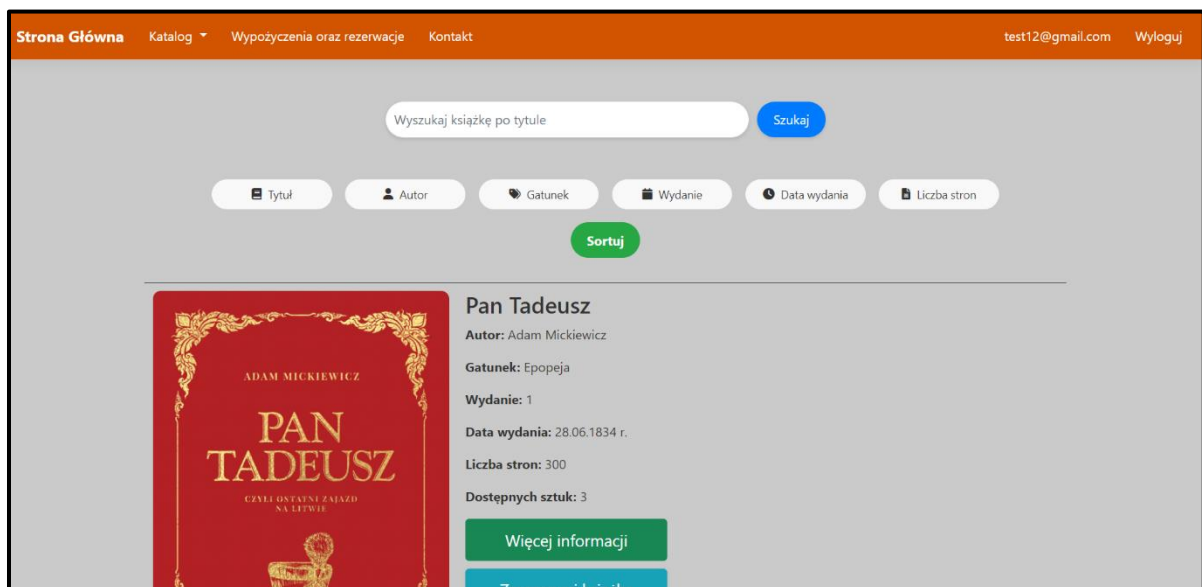
To log into a user account, navigate to the login form view (picture 2.1). Then, provide the correct login credentials for the previously registered user account and click the "Zaloguj się" button. The login form with sample data is shown in picture 2.4.



Picture 2.4 Login Form View with Sample Data.

It is possible to select the "Zapamiętaj mnie" checkbox, which stores the login session in the browser. This eliminates the need to log in again every time the system is launched.

After successfully logging in, the user will be redirected to the homepage for logged-in users. A fragment of the reader's homepage view is shown in picture 2.5.

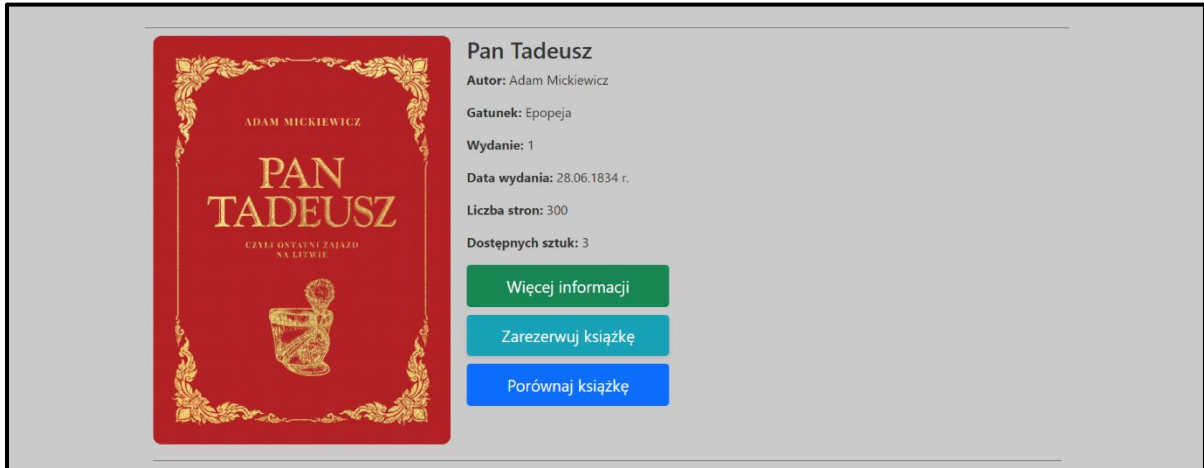


Picture 2.5 Fragment of the Reader's Homepage View.

From the homepage, the reader can access various functionalities described in subsequent subsections of this chapter.

2.3. Viewing more information about a book

The reader's homepage displays all books currently available in the database. This is the default view of the reader's homepage. A fragment of the reader's homepage showing a single book record is presented in picture 2.6.



Picture 2.6 Fragment of the Reader's Homepage Showing a Single Book Record.

The homepage displays basic information about each book. To view more detailed information about a specific book, click the "Więcej informacji" button. The system will redirect the user to a page with detailed information about the book. This page view is shown in picture 2.7.

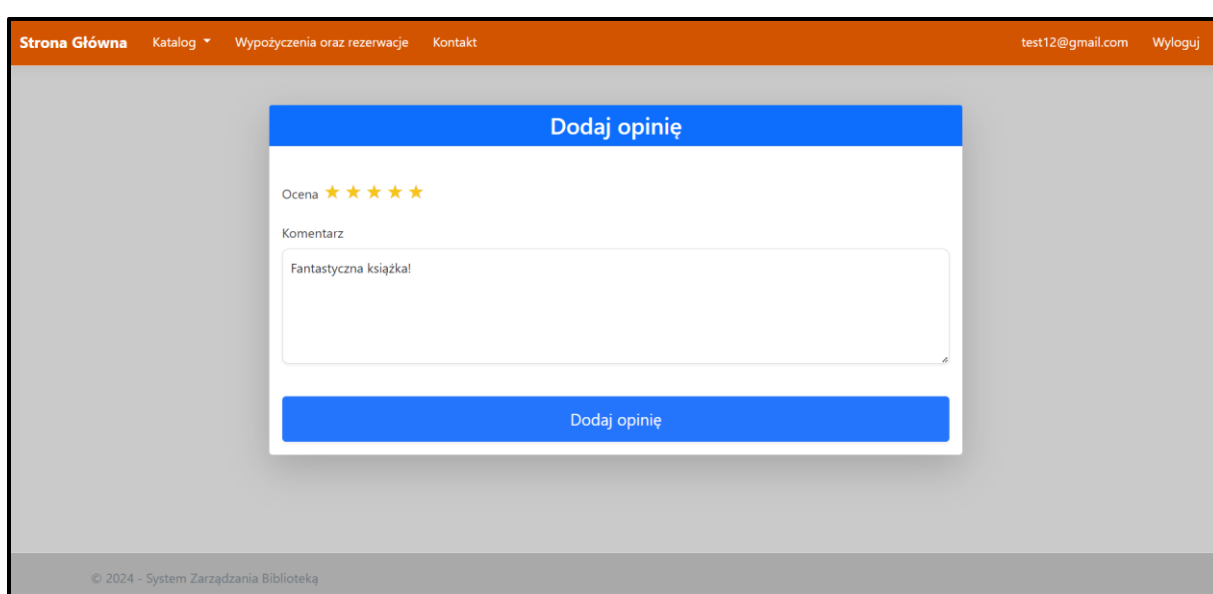


Picture 2.7 View Showing More Detailed Information About a Book.

This view displays additional information, such as the type of binding and the ISBN code.

2.4. Adding a review for a book

Readers can add a review for a book, which includes a rating and a comment. This functionality is available on the page displaying more information about a book (picture 2.7). To add a review, click the "Dodaj opinię" button. The review submission form view with sample data is shown in picture 2.8.



Picture 2.8 Review Submission Form View with Sample Data.

After filling in the form fields, click the "Dodaj opinię" button. The review will then be added. The system will redirect the reader to the page displaying more detailed information about the book (picture 2.7) along with a confirmation message about the successful operation. At the bottom of this page, the reviews for the book are displayed. The review from the currently logged-in reader is always shown at the top of the list. A fragment of the page view showing the review is presented in picture 2.9.

Opinie:

Ocena: ★★★★★

Komentarz: Fantastyczna książka! - test12@gmail.com

Zmień opinię Usuń opinię

Picture 2.9 View Showing the Added Book Review.

2.5. Editing a review for a book

Editing a book review is similar to adding one. After clicking the "Zmień opinię" button (picture 2.9), the system redirects the user to the review editing form view, which is automatically populated with the values of the fields from the review being edited. This form view with sample data is shown in picture 2.10.

Edytuj opinię

Ocena ★★★★★

Komentarz

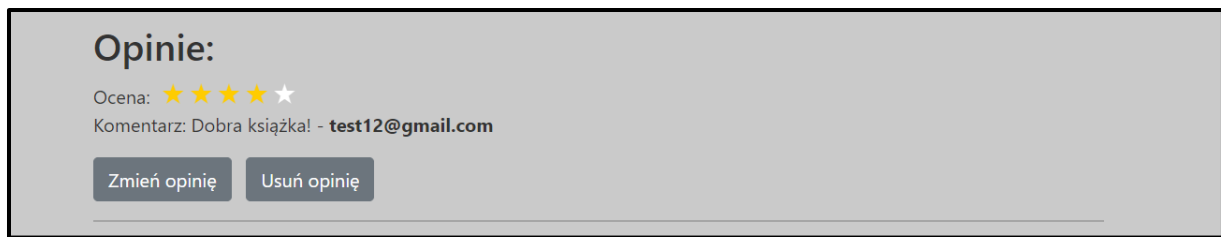
Dobra książka!

Edytuj opinię

© 2024 - System Zarządzania Biblioteką

Picture 2.10 Review Editing Form View.

After clicking the "Edytuj opinię" button, the review will be updated. The system redirects the reader to the page displaying more detailed information about the book (picture 2.7) along with a confirmation message about the successful operation. A fragment of the page view showing the edited review is presented in picture 2.11.



Picture 2.11 View Showing the Edited Book Review.

2.6. Deleting a review for a book

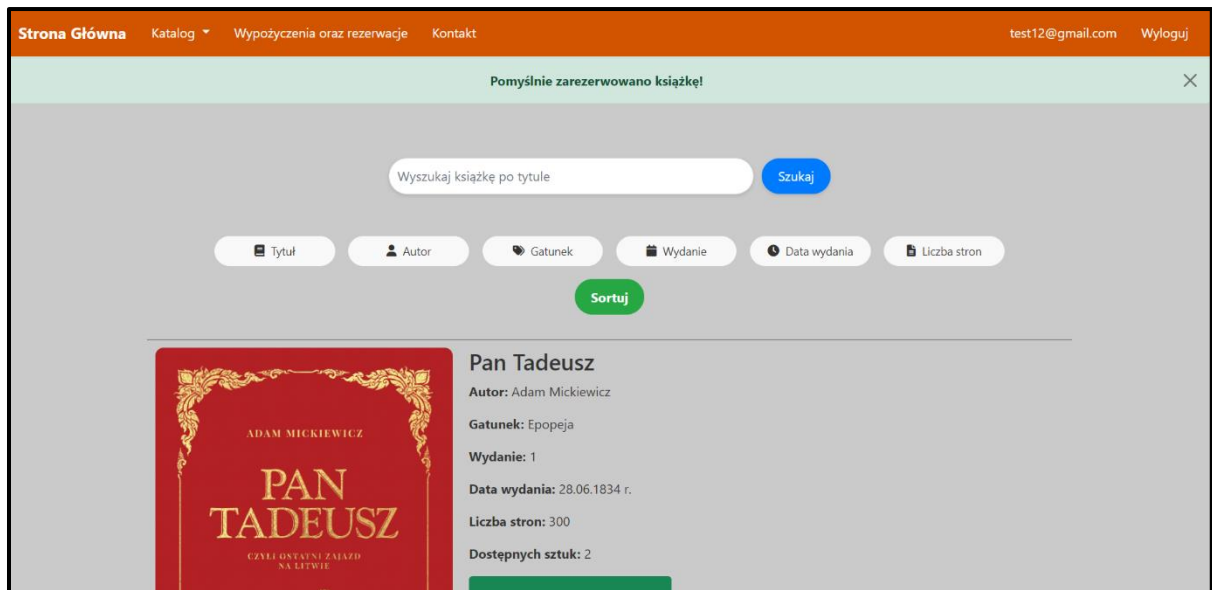
Readers can delete their reviews. To do this, click the "Usuń opinię" button visible in picture 2.11. After clicking, the system redirects the reader to the page with more detailed information about the book, displaying a confirmation message about the successful operation. This view is shown in picture 2.12.



Picture 2.12 View Showing the Successful Deletion of a Book Review.

2.7. Zarezerwowanie woluminu książki

Readers can reserve a copy of a book. To do this, click the "Zarezerwuj książkę" button visible in picture 2.6. After clicking this button, the book will be reserved, provided the logged-in reader does not already have a book reserved (the reservation limit for a reader is 1). In the case of a successful reservation, an appropriate message is displayed, and the system redirects the user to the reader's homepage. The reader's homepage view with the reservation confirmation message is shown in picture 2.13.



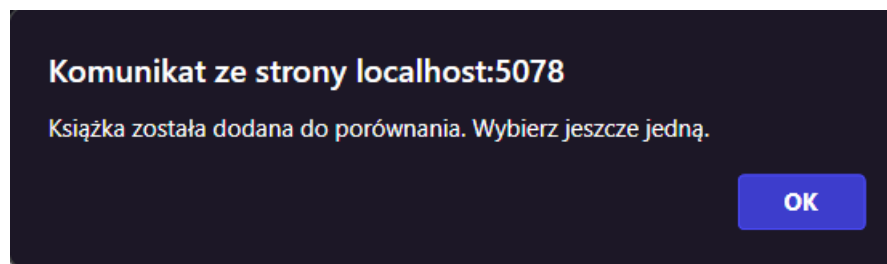
Picture 2.13 Fragment of the Reader's Homepage View with a Reservation Confirmation Message.

The "Dostępnych sztuk" (eng. Available copies) value for the book Pan Tadeusz decreased from 3 to 2 after the reservation.

The reservation view for the currently logged-in reader is discussed in later sections of this documentation.

2.8. Comparing two books

To compare two books, the reader must click the "Porównaj książkę" button (picture 2.6). After clicking on the first book for comparison, an alert will be displayed, informing the reader that the book has been added to the comparison and that they need to select another book to compare it with. The view of this alert is shown in picture 2.14.



Picture 2.14 Alert informing the reader that the book has been added to the comparison.

Clicking the "Porównaj książkę" button for the same book will result in an error message.

If the "Porównaj książkę" button is clicked for a different book, the system redirects the reader to the comparison page for the two books. A fragment of this page's view is shown in picture 2.15.

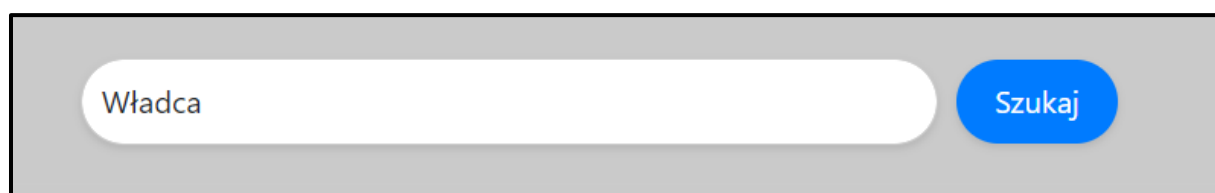
<p>Pan Tadeusz</p>	<p>Wiedźmin Czas Pogardy</p>
<p>Autor: Adam Mickiewicz</p>	<p>Autor: Andrzej Sapkowski</p>
<p>Gatunek: Epopeja</p>	<p>Gatunek: Fantasy</p>
<p>Wydanie: 1</p>	<p>Wydanie: 1</p>
<p>Data wydania: 28.06.1834 r.</p>	<p>Data wydania: 01.01.1995 r.</p>
<p>Liczba stron: 300</p>	<p>Liczba stron: 368</p>
<p>Oprawa: Miękka</p>	<p>Oprawa: Miękka</p>
<p>ISBN: 111199987765</p>	<p>ISBN: 9788375780666</p>
<p>Średnia ocena: 4,00</p>	<p>Średnia ocena: 4,50</p>
<p>Pokaż opinie</p>	<p>Pokaż opinie</p>
<p>Opinie:</p>	<p>Opinie:</p>
<p>Może być (Ocena: 3) - rafek25@vp.pl</p>	<p>Fantastyczna książka! (Ocena: 5) - rafek25@vp.pl</p>
<p>Fantastyczna książka! (Ocena: 5) - raf.wro42@gmail.com</p>	<p>Książka jest spoko (Ocena: 4) - raf.wro42@gmail.com</p>

Picture 2.15 Fragment of the view for comparing two books.

On the book comparison page, all information about the selected books available in the database is displayed, including the average rating based on reviews for each book. By clicking the "Pokaż opinie" buttons, the reader can also view all reviews for a book without needing to reload the page.

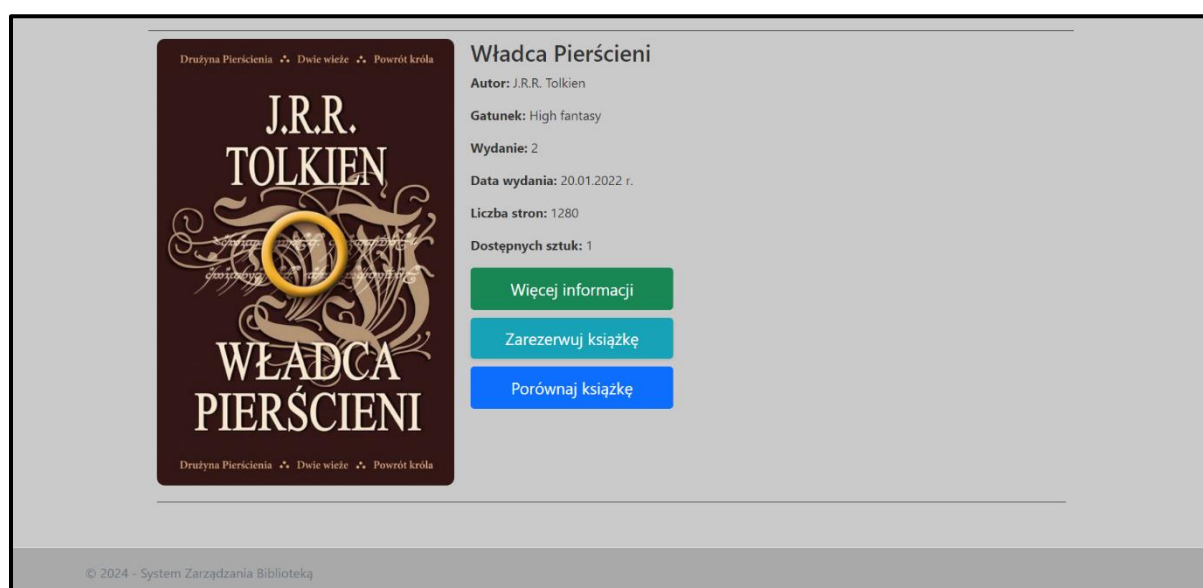
2.9. Searching for books

To search for all books in the database containing a specific phrase in their title, the reader must enter the phrase into the search form, which is visible on the main page (picture 2.5). This form, with the example phrase "Władca," is shown in more detail in picture 2.16.

A screenshot of a search form. It consists of a light gray rounded rectangular input field containing the text "Władca". To the right of the input field is a blue rounded rectangular button with the white text "Szukaj". The entire form is set against a light gray background.

Picture 2.16 Search form with the example phrase "Władca".

After clicking the "Szukaj" button, all book records in the database containing the entered phrase in their title will be displayed. A fragment of the main page view showing search results is presented in picture 2.17.

A screenshot of a search results page. On the left is a book cover for "Władca Pierścieni" by J.R.R. Tolkien, featuring the title in large white letters and a golden ring. To the right of the cover, the book's details are listed: "Władca Pierścieni", "Autor: J.R.R. Tolkien", "Gatunek: High fantasy", "Wydanie: 2", "Data wydania: 20.01.2022 r.", "Liczba stron: 1280", and "Dostępnych sztuk: 1". Below the details are three buttons: "Więcej informacji" (green), "Zarezerwuj książkę" (teal), and "Porównaj książkę" (blue). At the bottom left of the page, there is a small copyright notice: "© 2024 - System Zarządzania Biblioteką".

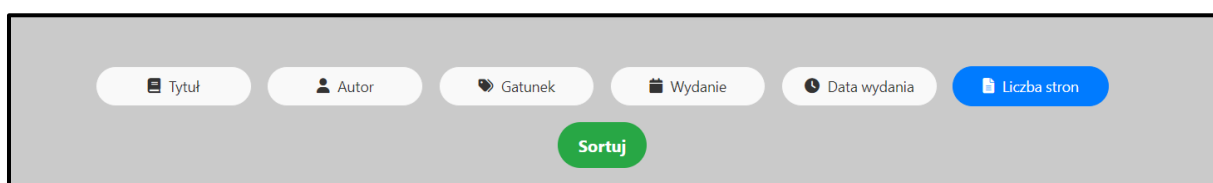
Picture 2.17 Fragment of the main page view with search results for titles containing the phrase "Władca".

It does not matter whether the reader enters the phrase in uppercase or lowercase letters, as case sensitivity is ignored.

The search functionality can be combined with sorting and filtering features.

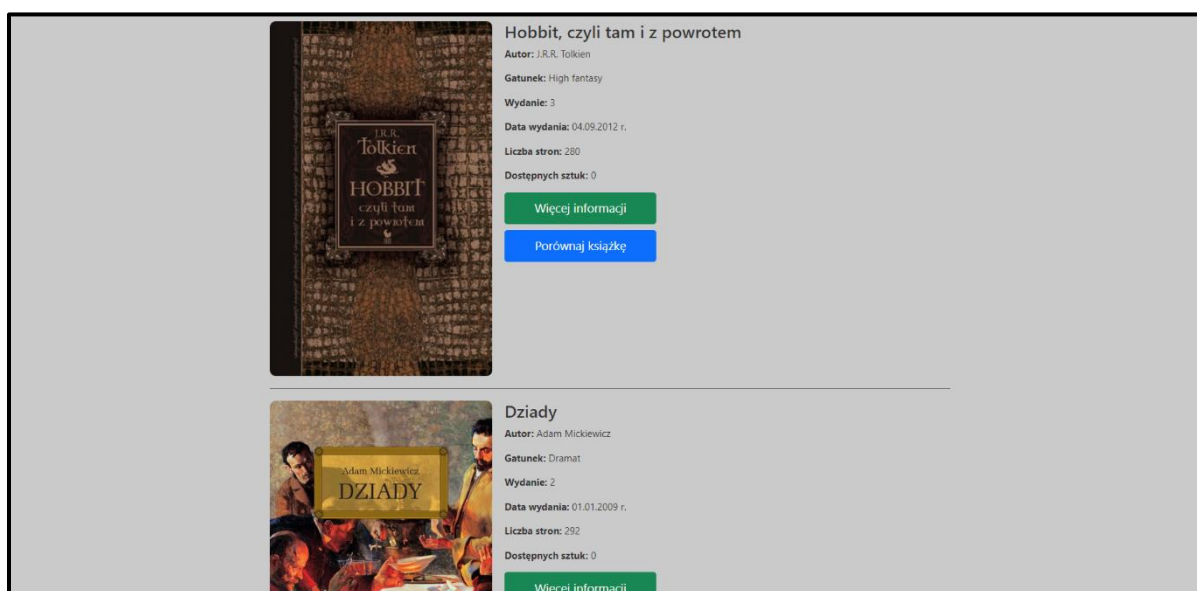
2.10. Sorting books

To sort books, the reader must use the sorting form visible on the main page (picture 2.5). This form, with the option "Liczba stron" (eng. Number of pages) selected, is shown in more detail in picture 2.18.



Picture 2.18 View of the sorting form with the option "Liczba stron" selected.

After clicking the "Sortuj" button, book records will be displayed in ascending order based on the number of pages. A fragment of the main page view after applying sorting is shown in picture 2.19.



Picture 2.19 Fragment of the main page view after sorting by the number of pages.

The sorting functionality can be combined with searching and filtering features.

2.11. Filtering books

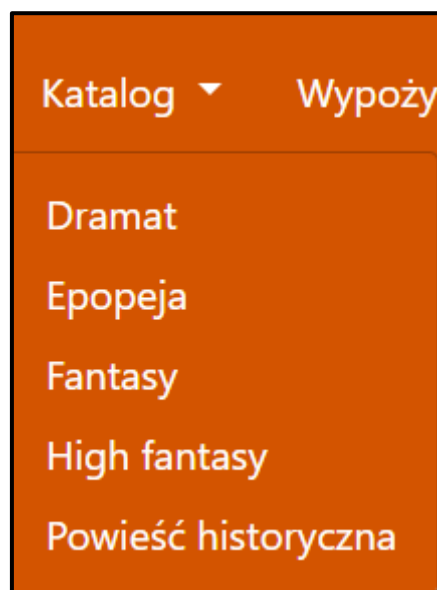
To filter books, the reader must use the context menu options located at the top of the page. The detailed appearance of the context menu is shown in picture 2.20.



Picture 2.20 View of the context menu options for the reader.

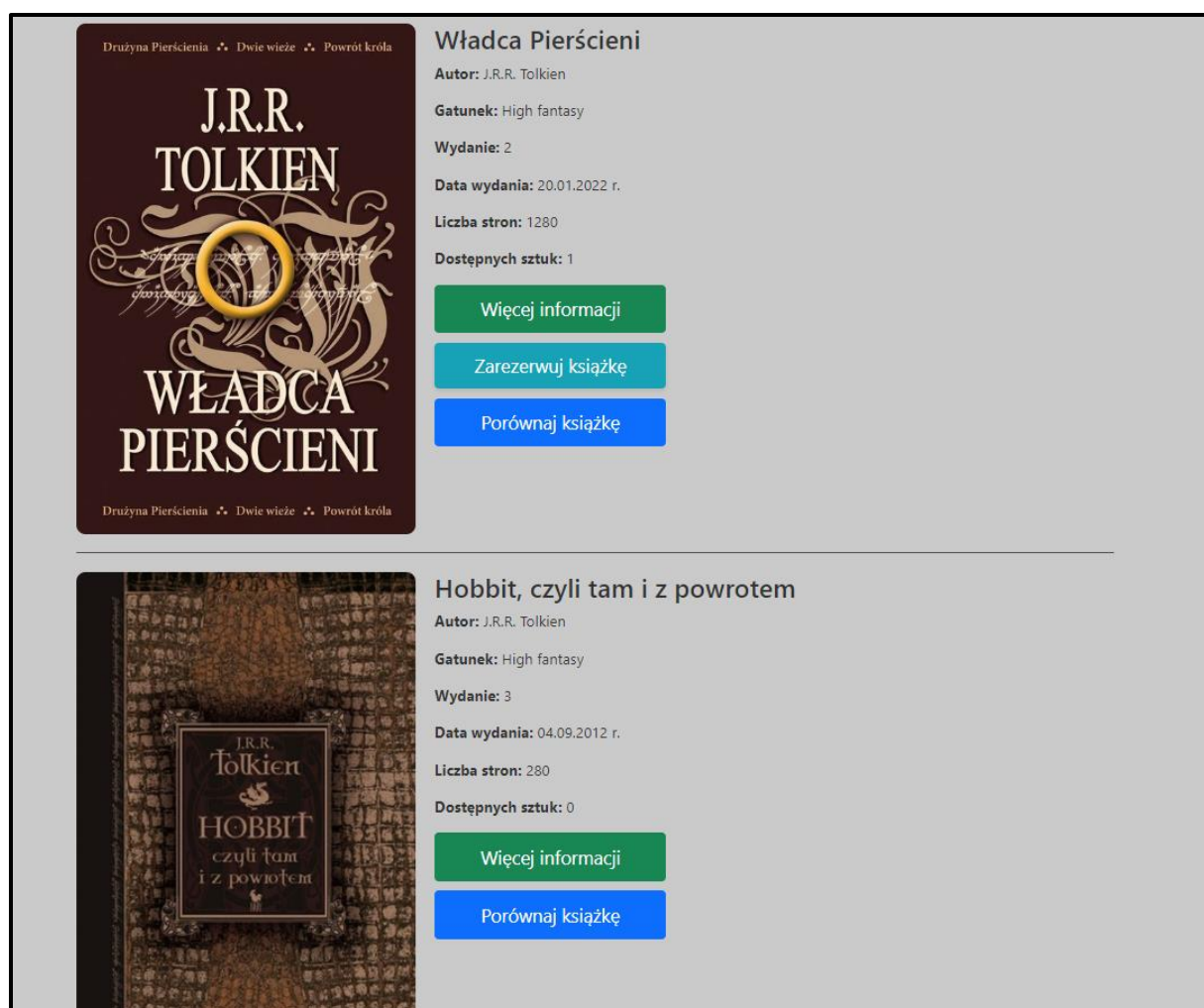
To return to the main page, the reader must click the "Strona główna" option in the context menu. The reader will then be redirected to the main page.

To filter books, the reader clicks on the dropdown menu option labeled "Katalog". The available book genres in the database (each with at least one book) will then be displayed. The view of this dropdown menu is shown in picture 2.21.



Picture 2.21 View of the dropdown menu for filtering books by genre.

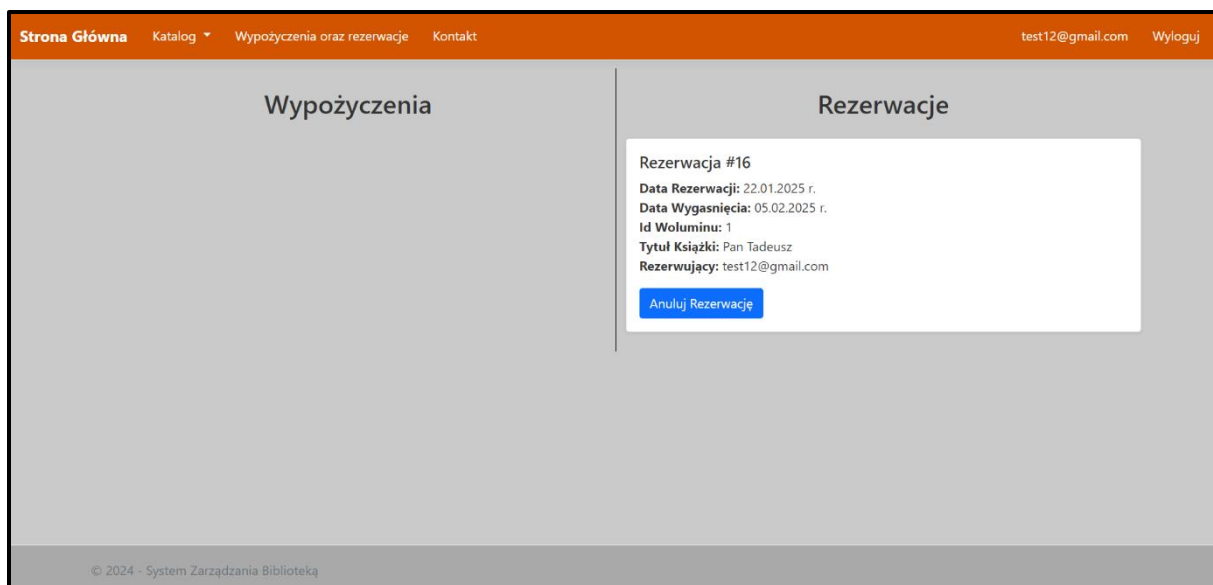
After selecting a genre, the main page will display only books of that genre. A fragment of the main page view filtered by the genre "High fantasy" is shown in picture 2.22.



Picture 2.22 Fragment of the main page view after filtering books by the genre "High fantasy."

2.12. Viewing reservations and borrowings

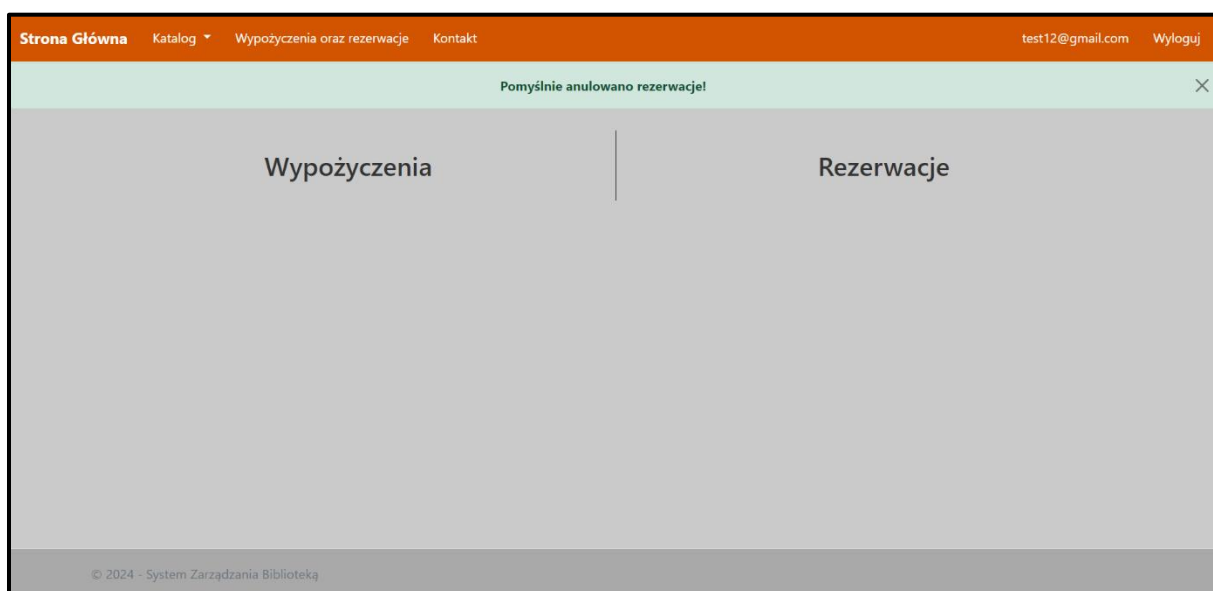
To view their reservations and borrowings, the reader must click the "Wypożyczenia oraz rezerwacje" (eng. Borrowings and Reservations) option in the context menu. The context menu is shown in picture 2.20. Below is the view of the borrowings and reservations of the currently logged-in reader.



Picture 2.23 View of the borrowings and reservations of the currently logged-in reader.

2.13. Canceling reservation

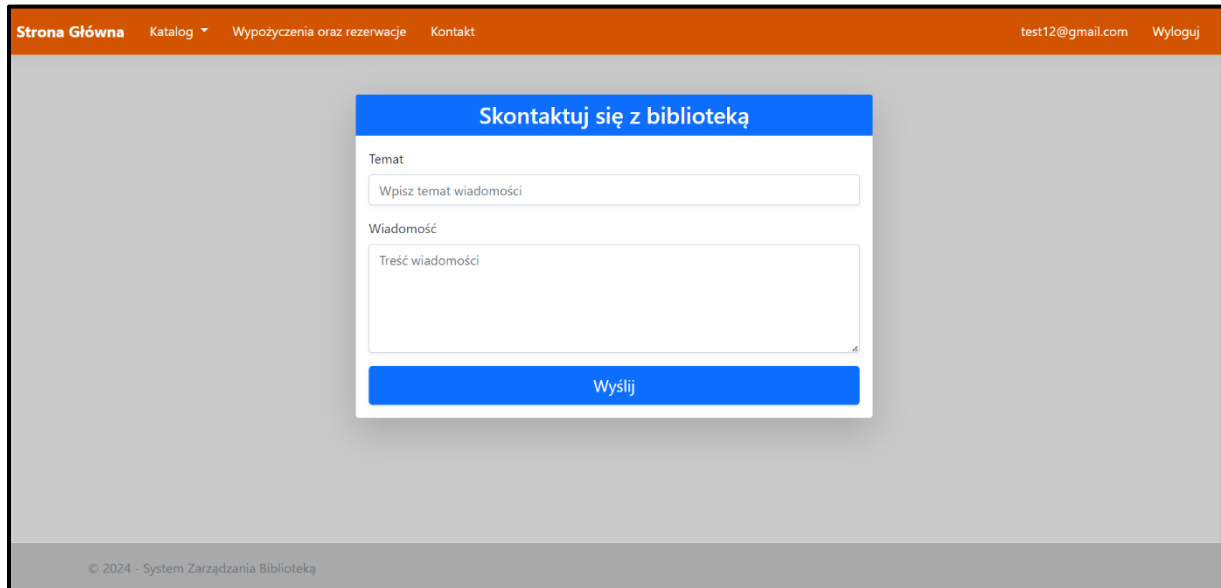
From the borrowings and reservations view (picture 2.23), the currently logged-in reader can cancel a previously reserved book. To do this, they must click the "Anuluj rezerwację" button. The view after canceling a reservation, along with confirmation of the successful operation, is shown in picture 2.24.



Picture 2.24 View of the borrowings and reservations of the currently logged-in reader after canceling a reservation.

2.14. Contacting the library

To contact the library, the reader must click the "Kontakt" option in the context menu (picture 2.20). After clicking, the system redirects the reader to the contact form view. This form is shown in picture 2.25.

The screenshot shows a web application interface for contacting a library. At the top, there is an orange navigation bar with the text "Strona Główna" (Home), "Katalog" (Catalog), "Wypożyczenia oraz rezerwacje" (Loans and reservations), and "Kontakt" (Contact). On the right side of the bar, the email address "test12@gmail.com" and a "Wyloguj" (Logout) link are visible. The main content area has a light gray background. In the center, there is a white form box with a blue header that reads "Skontaktuj się z biblioteką" (Contact the library). Inside the form, there are two input fields: "Temat" (Subject) with the placeholder text "Wpisz temat wiadomości" (Enter message subject) and "Wiadomość" (Message) with the placeholder text "Treść wiadomości" (Message content). Below these fields is a blue button labeled "Wyślij" (Send). At the bottom of the page, there is a gray footer bar containing the text "© 2024 - System Zarządzania Biblioteką" (© 2024 - Library Management System).

Picture 2.25 Library contact form.

The reader then enters an appropriate subject and message text, and clicks the "Wyślij" button to submit the form, which is equivalent to sending the message to the library's email address. A brief confirmation message of successful message delivery is displayed below the form.

2.15. Updating user account information

The reader can update the information on their user account. To do this, they must click the option in the context menu (picture 2.20) labeled with the email address of the currently logged-in reader. The system then redirects the user to the user account management panel. This view is shown in picture 2.26.

The screenshot shows a web application interface with an orange header bar. The header contains the text 'Strona Główna', a dropdown menu 'Katalog', the text 'Wypożyczenia oraz rezerwacje', the text 'Kontakt', the email 'test12@gmail.com', and a link 'Wyloguj'. The main content area has a blue header 'Zmień ustawienia konta'. On the left is a sidebar with four tabs: 'Profil' (selected), 'Email', 'Hasło', and 'Dane osobiste'. The 'Profil' tab content shows a form with two input fields: 'Nazwa użytkownika' (containing 'test12@gmail.com') and 'Numer Telefonu' (empty). Below the fields is a blue button labeled 'Zapisz'. The footer contains the text '© 2024 - System Zarządzania Biblioteką'.

Picture 2.26 View of the user account management panel – "Profil" tab.

The reader has access to four tabs. The first and default tab is a form for adding their phone number to the system. They simply need to enter their number into the appropriate field and confirm by clicking the "Zapisz" button.

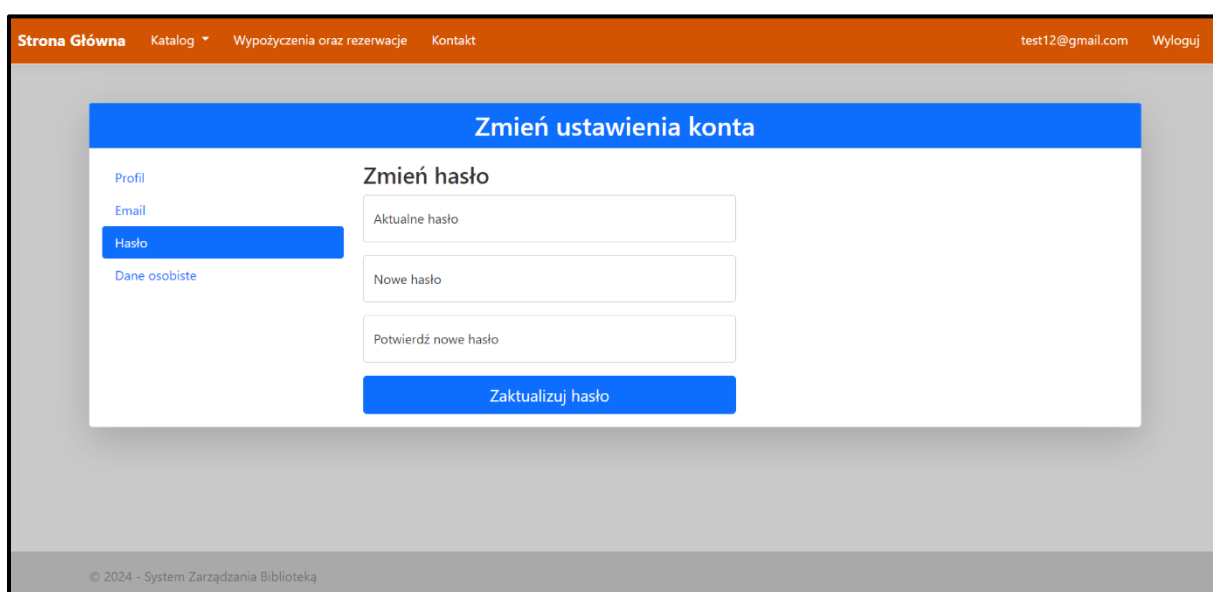
The next tab in this panel is the "Email" tab. The view of this tab and its form is shown in picture 2.27.

The screenshot shows the same web application interface as Picture 2.26, but with the 'Email' tab selected in the sidebar. The 'Email' tab content shows a form with the title 'Zarządzaj adresem email'. It contains two input fields: 'Email' (containing 'test12@gmail.com') and 'Nowy email' (containing 'test12@gmail.com'). Below the fields is a blue button labeled 'Zmień adres email'. The footer contains the text '© 2024 - System Zarządzania Biblioteką'.

Picture 2.27 View of the user account management panel - "Email" tab.

In this tab's form, the reader can change the email address associated with their account. They need to enter a new email address and click the "Zmień adres email" button.

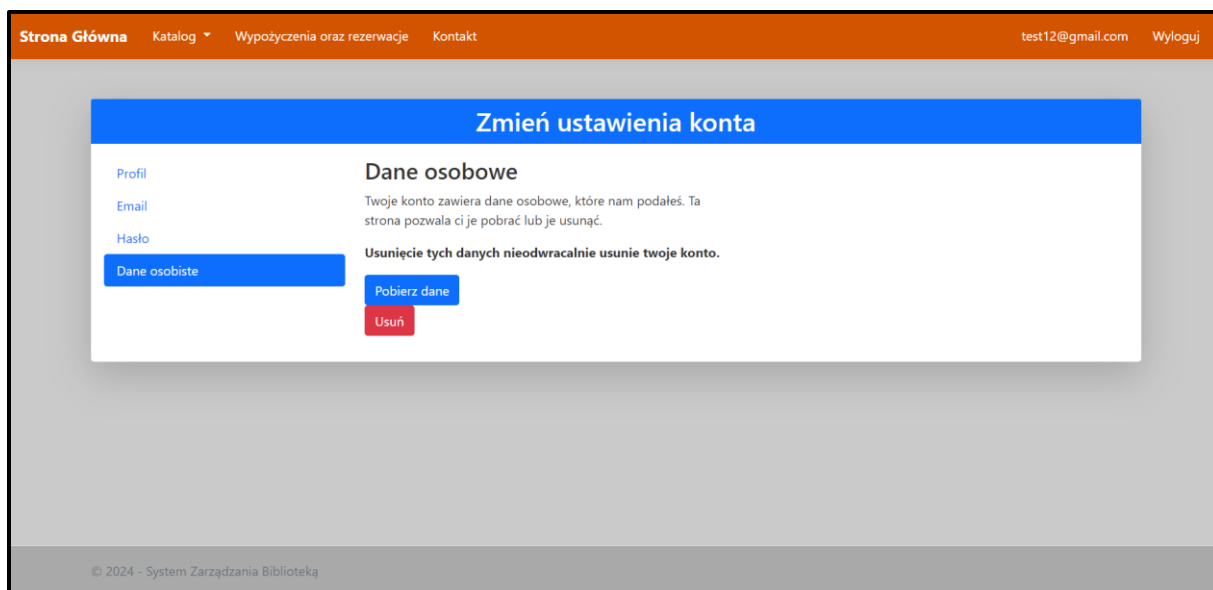
The following tab in this panel is the "Hasło" tab. The view of this tab and its form is shown in picture 2.28.



Picture 2.28 View of the user account management panel - "Hasło" tab.

In this tab's form, the reader can change the password for their account. They need to enter their current password and the new password twice for confirmation, then click the "Zaktualizuj hasło" button.

The last tab in this panel is the "Dane osobiste" tab. The view of this tab and its form is shown in picture 2.29.



Picture 2.29 View of the user account management panel - "Dane osobiste" tab.

In this tab's form, the reader can download their personal data in JSON format linked to their account by clicking the "Pobierz dane" button. It is also possible to delete the entire user account by clicking the "Usuń" button.

2.16. Logging out of the user account

To log out of their account, the reader must click the "Wyloguj" option in the context menu (picture 2.20), located on the far-right side. After doing so, the system logs the user out and redirects them to the main page for guests (picture 1.1).

3. Functionalities available to registered users with administrator permissions

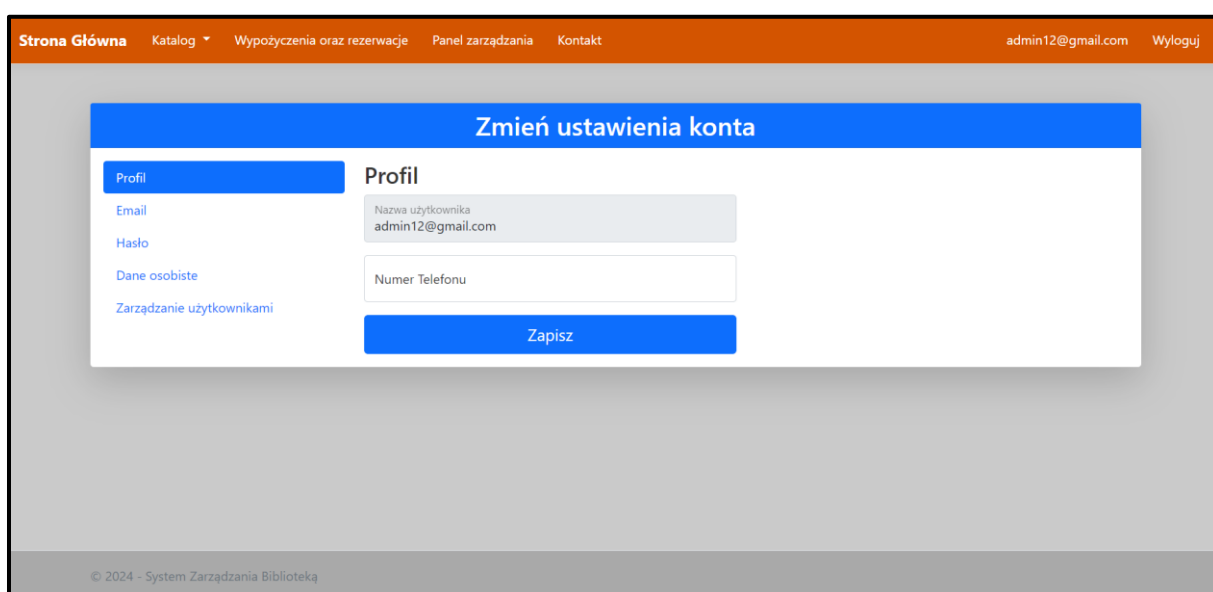
This section describes the functionalities accessible to a registered user with administrator rights. Such a user has access to all the functionalities available to a reader, as well as additional functionalities exclusive to them. They can utilize all system features. A user with administrator permissions will be referred to as a "library staff member" in the remainder of this documentation.

For library staff, there are more options available in the context menu. The updated context menu with the new options is shown in picture 3.1.

Picture 3.1 Appearance and options of the context menu for a library staff member.

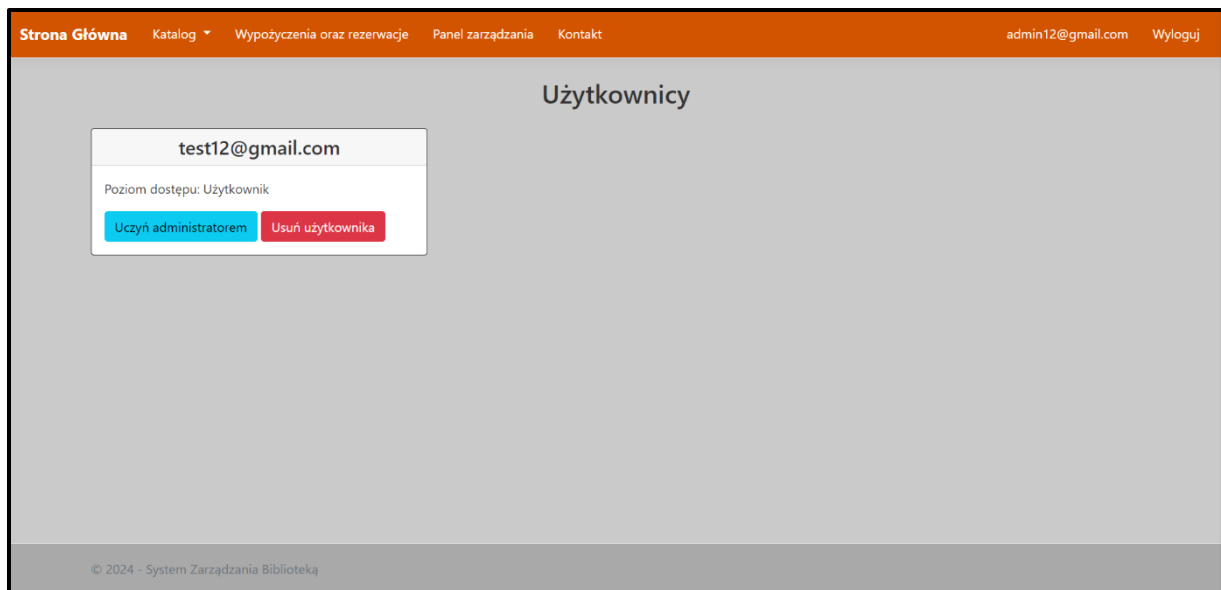
3.1. Managing user accounts

For library staff, an additional tab called "Zarządzanie użytkownikami" is available in the account management panel. The view of this panel with the new tab is shown in picture 3.2.



Picture 3.2 View of the user account management panel for library staff.

Upon clicking this tab, the library staff member is redirected to the user management view. This displays records of all users registered in the system, except for the staff member themselves. This view is shown in picture 3.3.

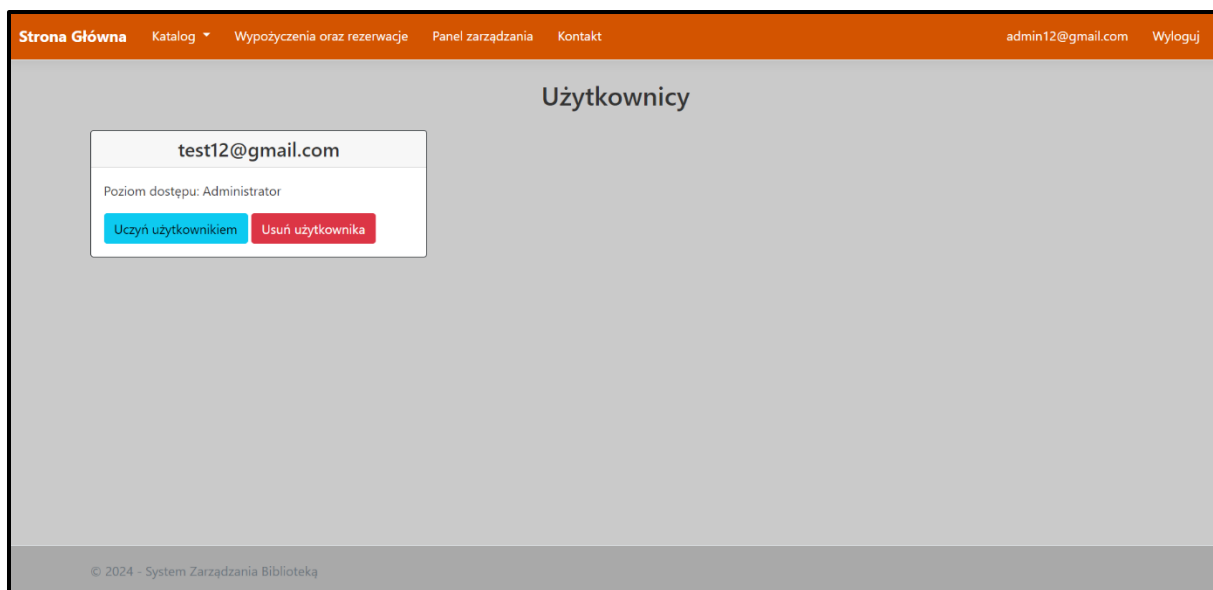


Picture 3.3 User management view by library staff.

The library staff member can change user account permissions or delete accounts entirely.

3.2. Changing permissions of other user accounts

To revoke or grant administrator rights to other user accounts, the library staff member can use the user management view (picture 3.3). By clicking the "Uczyn administratorem" button for a reader account (without administrator rights), they grant administrator rights to that account. The user management view after granting administrator rights to the account "test12@gmail.com" is shown in picture 3.4.

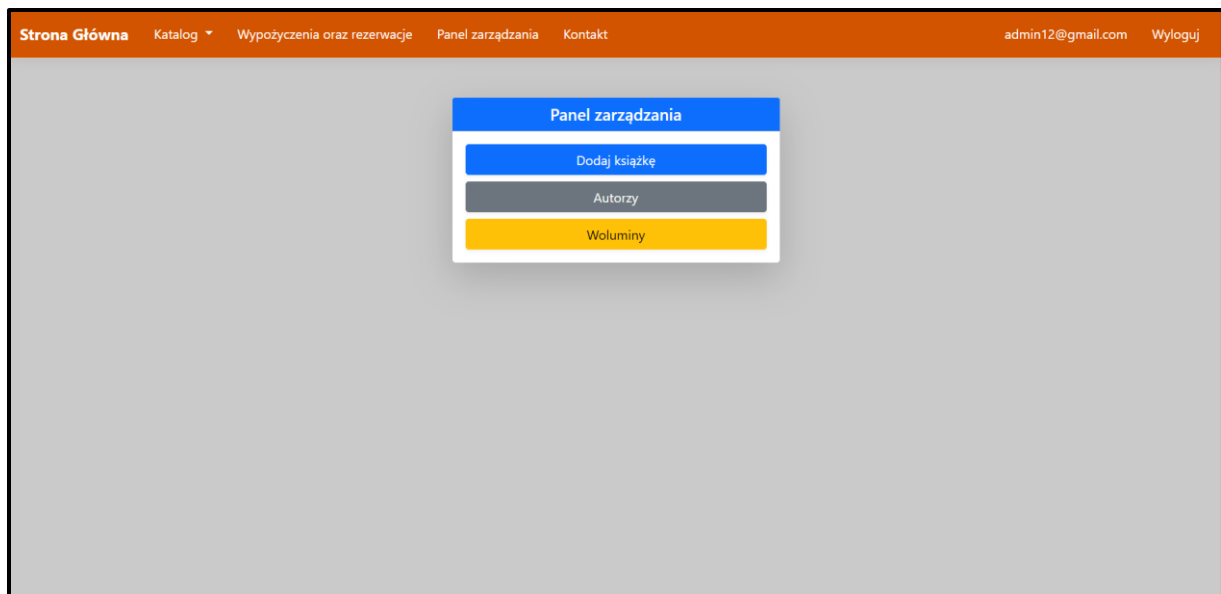


Picture 3.4 User management view after granting administrator rights to "test12@gmail.com".

The library staff member can reverse this action by clicking the "Uczyń użytkownikiem" button to revoke administrator rights. They can also delete any user account, regardless of its permissions, by clicking the "Usuń użytkownika" button.

3.3. Opening the library management panel

A library staff member can manage the library by clicking the "Panel zarządzania" (eng. Management panel) option in the context menu. The view of this panel is shown in picture 3.5.



Picture 3.5 View of the library management panel.

3.4. Adding a book

To add a book to the database, click the "Dodaj książkę" button in the library management panel view (picture 3.5). This will display the book addition form. The view of this form is shown in picture 3.6.

Dodaj książkę

Tytuł

Autor

Gatunek

Data wydania

Liczba Stron

Oprawa

Wydanie

ISBN

PODGLĄD OBRAZU

Przeciągnij i upuść plik obrazu tutaj lub kliknij, aby wybrać.

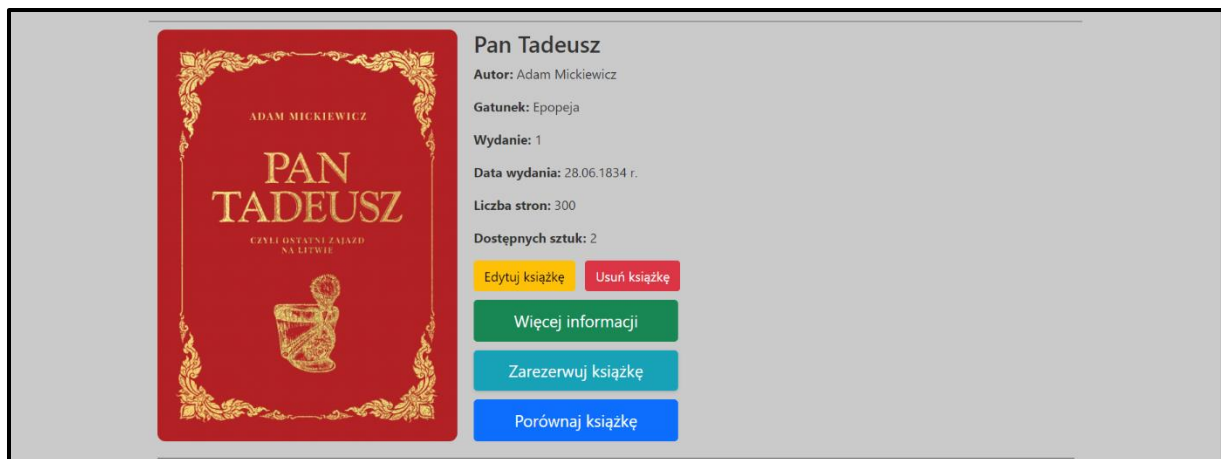
Dodaj książkę

Picture 3.6 View of the add book form.

After entering the required data, the staff member clicks the "Dodaj książkę" button, and the book is added to the database.

3.5. Editing a book

The homepage for library staff also changes. Each book record now includes two buttons: "Edytuj książkę" and "Usuń książkę". A fragment of the homepage for library staff displaying only one book record is shown in picture 3.7.



Picture 3.7 A fragment of the homepage for library staff displaying one book record.

To edit a book, click the "Edytuj książkę" button. The system will redirect the staff member to the book editing form shown in picture 3.8.

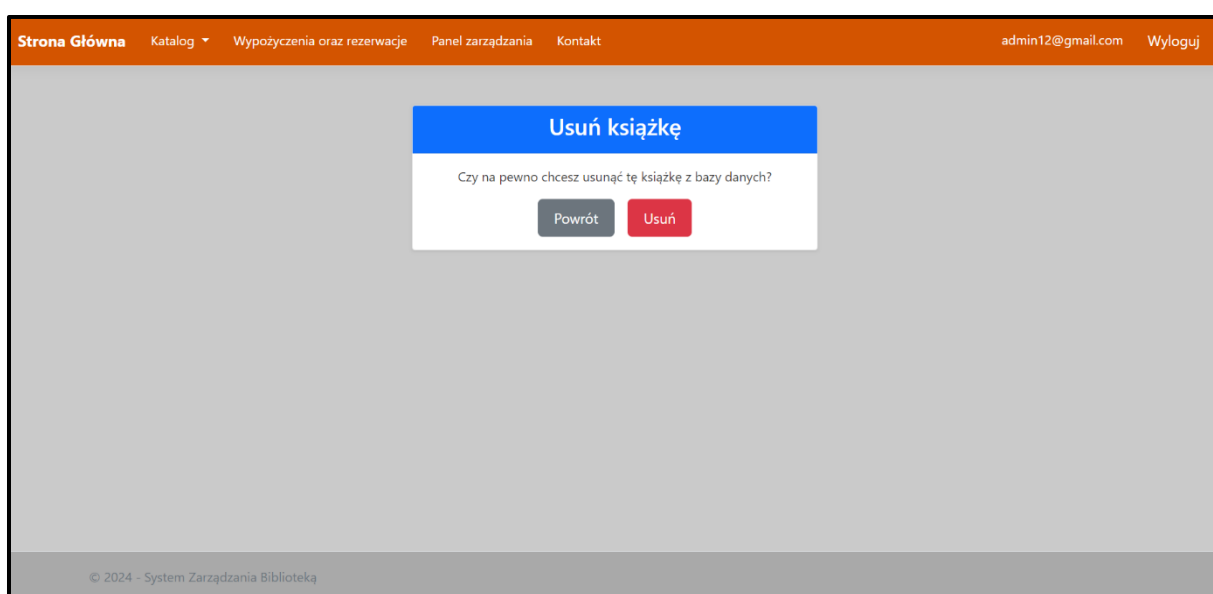
A screenshot of the 'Edytuj książkę' (Edit book) form. The title 'Edytuj książkę' is in a blue header. The form contains several input fields: 'Tytuł' (Pan Tadeusz), 'Autor' (Adam Mickiewicz), 'Gatunek' (Epopeja), 'Data wydania' (28.06.1834), 'Liczba stron' (300), 'Oprawa' (Miękka), 'Wydanie' (1), and 'ISBN' (111199987765). To the right of these fields is a red book cover for 'Pan Tadeusz'. Below the cover is a text box that says 'Przeciągnij i upuść plik obrazu tutaj lub kliknij, aby wybrać.' At the bottom of the form is a large green button labeled 'Edytuj książkę'.

Picture 3.8 View of the edit book form.

The form is automatically populated with the current data for the book being edited. After making changes, click the "Edytuj książkę" button, and if the validation is successful, the book details will be updated.

3.6. Deleting a book

To delete a book, click the "Usuń książkę" button visible in picture 3.7. The system will redirect the library staff member to a confirmation view, where they must confirm the deletion. The confirmation view is shown in picture 3.9.

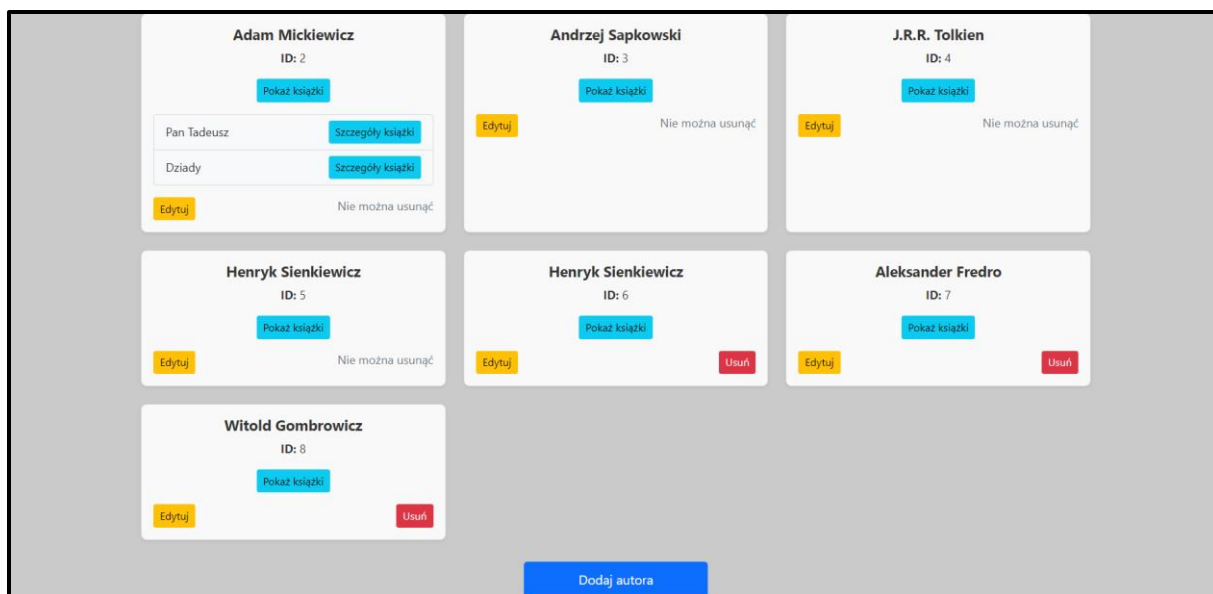


Picture 3.9 View of the book deletion confirmation.

After clicking the "Usuń" button, the book will be removed from the database.

3.7. Adding an Author

Clicking the "Autorzy" button in the management panel (picture 3.5) will redirect the library staff member to the author management view, where operations can be performed on authors. The author management view is shown in picture 3.10.



Picture 3.10 Author management view.

This view displays all authors in the database. By clicking the "Pokaż książki" button, the books by that author are displayed, and by clicking "Szczegóły książki", the staff member is redirected to a page showing more information about the book (picture 2.7).

In the author management view, many operations can be performed. The first and primary operation is adding an author. Clicking the "Dodaj autora" button redirects the staff member to the add author form. The form is shown in picture 3.11.

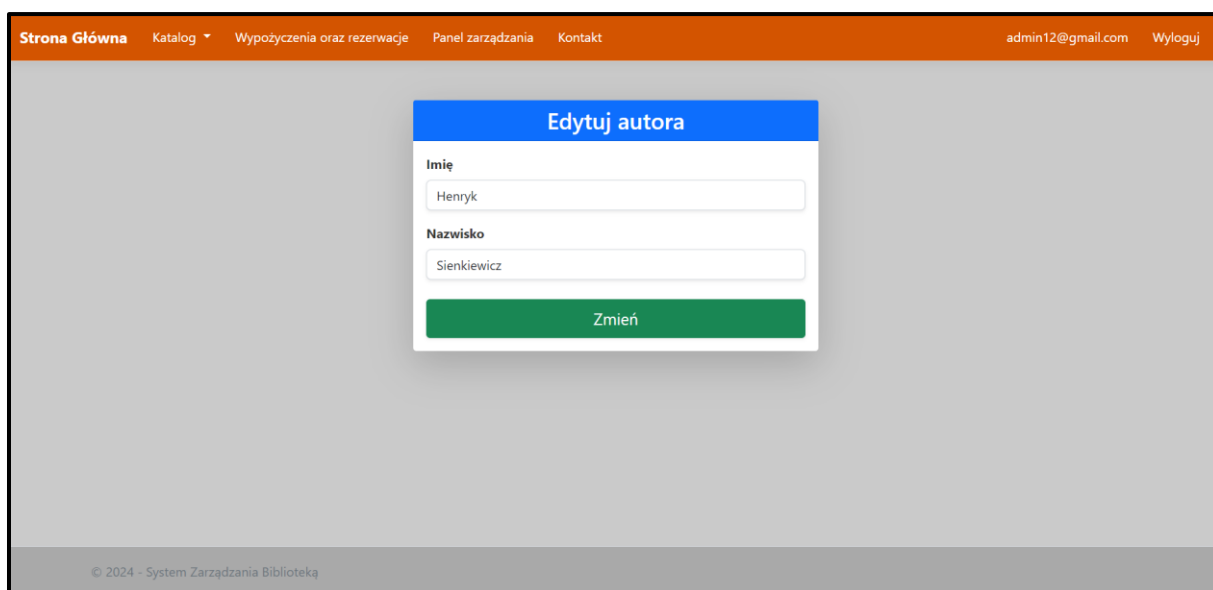
The screenshot shows the 'Dodaj autora' (Add author) form. The form is centered on a page with a navigation bar at the top and a footer at the bottom. The form itself has a blue header with the title 'Dodaj autora'. Below the header, there are two input fields: 'Imię' (Name) and 'Nazwisko' (Surname). Each input field has a placeholder text: 'Wpisz imię autora' and 'Wpisz nazwisko autora' respectively. At the bottom of the form is a green button labeled 'Dodaj autora'. The navigation bar at the top contains links: 'Strona Główna', 'Katalog', 'Wypożyczenia oraz rezerwacje', 'Panel zarządzania', and 'Kontakt'. The footer at the bottom contains the text: '© 2024 - System Zarządzania Biblioteką'.

Picture 3.11 Add author form.

After entering the relevant information and clicking the "Dodaj autora" button, the author will be added to the database.

3.8. Editing an Author

In the author management view, a staff member can also edit an author. The process is the same as adding an author. The author editing form is shown in picture 3.12.



Picture 3.12 Author editing form.

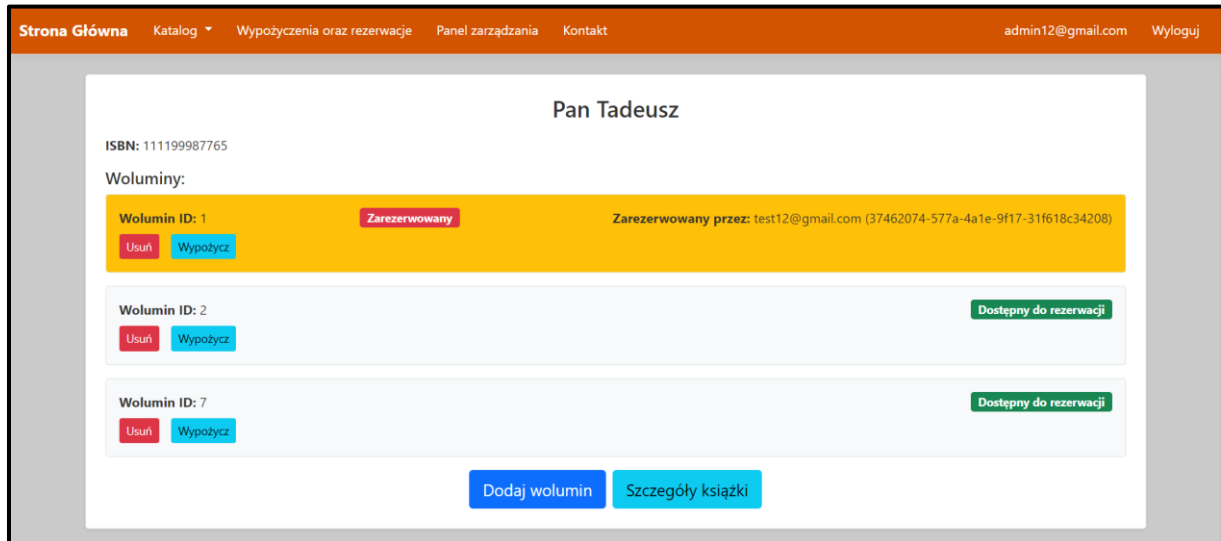
The form fields are populated with the current data for the author. After clicking the "Zmień" button, the author's details will be updated.

3.9. Deleting an Author

To delete an author, navigate to the author management view (picture 3.10). Click the "Usuń" button next to the author you wish to remove, and that author will be deleted from the database.

3.10. Adding a book volume

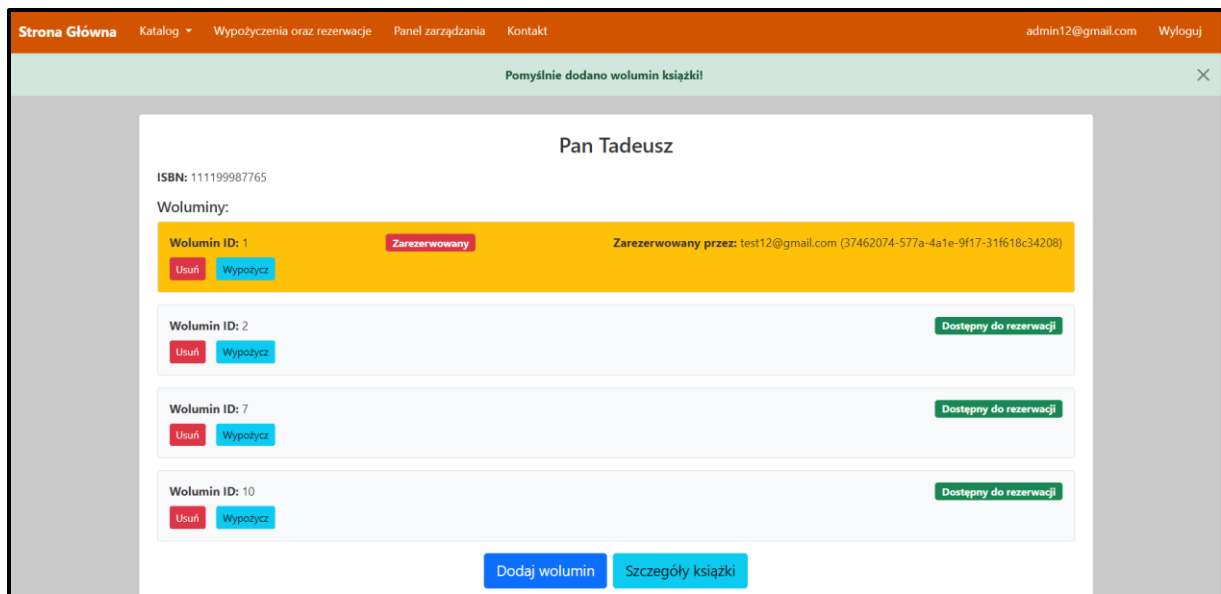
Clicking the "Woluminy" button in the management panel (picture 3.5) will redirect the library staff member to the book volume management view, where operations can be performed on volumes. The volume management view is shown in picture 3.13.



Picture 3.13 Book volume management view.

Clicking "Szczegóły książki" button will take the staff member to a page showing more information about the book (picture 2.7).

To add a volume of a book, click the "Dodaj wolumin" button, which immediately adds the volume to the database. The view with the added volume of the book "Pan Tadeusz" along with a success message is shown in picture 3.14.



Picture 3.14 Book volume management view after adding a book volume.

3.11. Deleting a book volume

To delete a book volume, click the "Usuń" button next to the specific book volume. This will remove the volume from the database.

3.12. Loaning a book to a user

A library staff member can loan a book to a user. This functionality differs depending on whether the user has reserved the book. If the user has not reserved the book, clicking the "Wypożycz" button in the book volume management view (picture 3.13) redirects the staff member to a user selection form to choose which user they want to loan the book to. The view of this form is shown in picture 3.15.

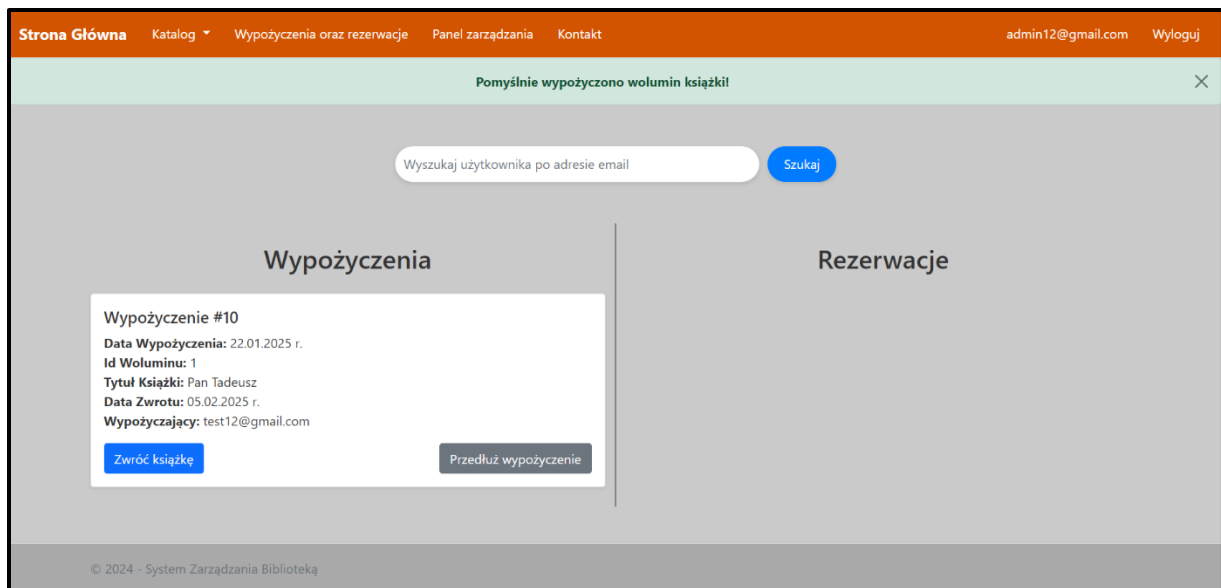
The screenshot shows a web application interface for loaning a book. The header is orange and contains the following elements: 'Strona Główna', 'Katalog', 'Wypożyczenia oraz rezerwacje', 'Panel zarządzania', 'Kontakt', 'admin12@gmail.com', and 'Wyloguj'. The main content area is light gray and features a white modal form titled 'Wypożycz książkę'. Inside the form, the book title 'Pan Tadeusz' is displayed. Below the title, there is a section labeled 'Użytkownik' with a dropdown menu that currently shows 'Wybierz użytkownika'. At the bottom of the form is a blue button labeled 'Zatwierdź'. The footer of the page is gray and contains the text '© 2024 - System Zarządzania Biblioteką'.

Picture 3.15 User selection form for loaning a book.

Once the staff member selects the appropriate user and confirms the choice by clicking the "Zatwierdź" button, the system redirects them to the "Wypożyczenia oraz rezerwacje" view.

If the user has reserved the book previously, the reserved volume will be displayed in a different color. This can be seen more clearly in the book volume management view (picture 3.13), where the volume with ID=1 of "Pan Tadeusz" is reserved by user "test12@gmail.com". In this case, loaning the book to the user happens immediately after the staff member clicks the "Wypożycz" button. The system then redirects them to the "Wypożyczenia oraz rezerwacje" view.

The loan and reservation view for library staff differs from that for readers. The view, along with the success message of successfully loaning the reserved volume of "Pan Tadeusz" to "test12@gmail.com", is shown in picture 3.16.



Picture 3.16 Loan and reservation view for library staff.

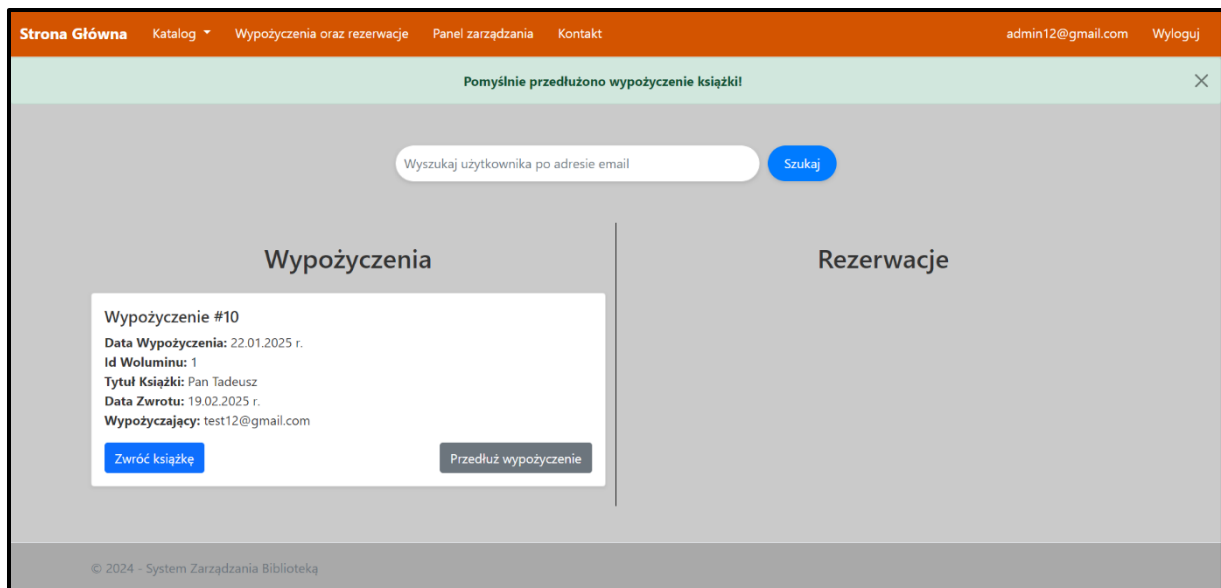
Once the book is loaned to the user, their reservation is automatically canceled, and the corresponding loan record is created.

The library staff member can see the loans and reservations of all users in the system and can perform operations on these records. The system also provides a search function to find loans and reservations of a specific user. Without this feature, it would be difficult for the staff member to locate specific loans or reservations.

The library staff member can also cancel user reservations, as demonstrated in Section 2.13.

3.13. Extending the loan of a book volume

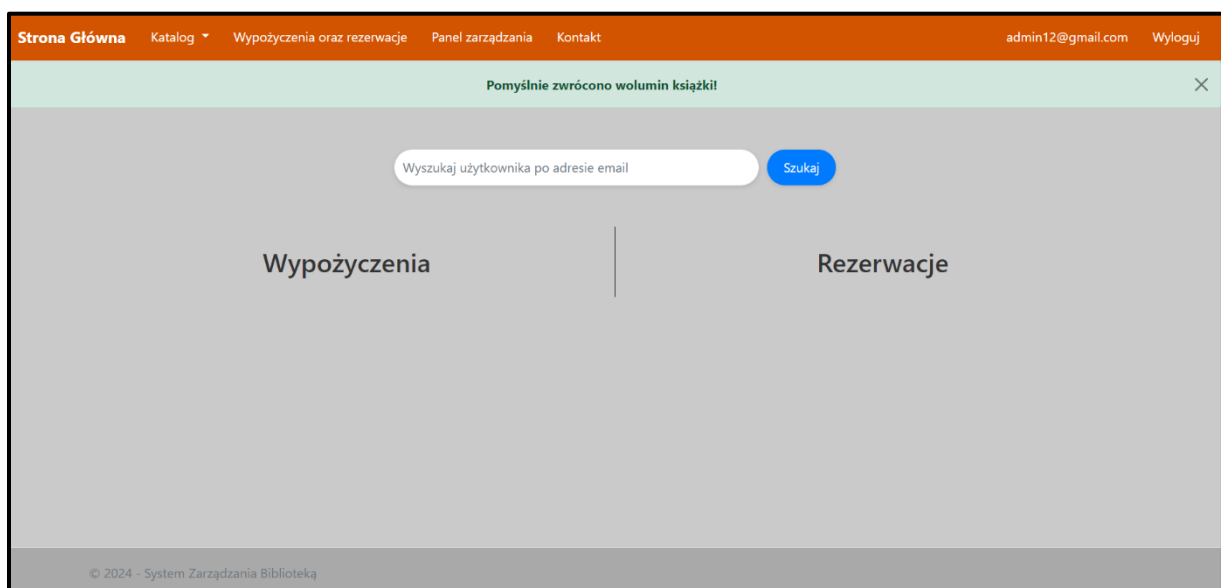
To extend the loan of a book volume to a user, click the "Przedłuż wypożyczenie" button visible in the loan and reservation view for library staff (picture 3.16). After clicking this button, the loan of the specific book volume is extended by two weeks. The result of this action is shown in picture 3.17.



Picture 3.17 Successful extension of the book volume loan.

3.14. Returning a book volume

To return a book volume loaned to a user, the library staff member should click the "Zwróć książkę" button, visible in the loan and reservation view for library staff (picture 3.16). After confirming the return, the loan record is deleted from the database. The volume is then successfully returned, as shown in picture 3.18.



Picture 3.18 Successful return of the book volume.

List of pictures

Picture 1.1 Guest Homepage View.....	3
Picture 1.2 User account registration form view.	4
Picture 2.1 User Account Login Form View.	5
Picture 2.2 User Account Password Reset Form.	5
Picture 2.3 Confirmation View for Sending the Password Reset Link.....	6
Picture 2.4 Login Form View with Sample Data.	7
Picture 2.5 Fragment of the Reader's Homepage View.	7
Picture 2.6 Fragment of the Reader's Homepage Showing a Single Book Record.....	8
Picture 2.7 View Showing More Detailed Information About a Book.....	8
Picture 2.8 Review Submission Form View with Sample Data.....	9
Picture 2.9 View Showing the Added Book Review.	10
Picture 2.10 Review Editing Form View.	10
Picture 2.11 View Showing the Edited Book Review.....	11
Picture 2.12 View Showing the Successful Deletion of a Book Review.....	11
Picture 2.13 Fragment of the Reader's Homepage View with a Reservation Confirmation Message.	12
Picture 2.14 Alert informing the reader that the book has been added to the comparison.....	13
Picture 2.15 Fragment of the view for comparing two books.	13
Picture 2.16 Search form with the example phrase "Władca".....	14
Picture 2.17 Fragment of the main page view with search results for titles containing the phrase "Władca".....	14
Picture 2.18 View of the sorting form with the option "Liczba stron" selected.	15
Picture 2.19 Fragment of the main page view after sorting by the number of pages.....	15
Picture 2.20 View of the context menu options for the reader.....	16
Picture 2.21 View of the dropdown menu for filtering books by genre.	16
Picture 2.22 Fragment of the main page view after filtering books by the genre "High fantasy.".....	17
Picture 2.23 View of the borrowings and reservations of the currently logged-in reader.	18
Picture 2.24 View of the borrowings and reservations of the currently logged-in reader after canceling a reservation.....	18
Picture 2.25 Library contact form.....	19
Picture 2.26 View of the user account management panel – "Profil" tab.	20
Picture 2.27 View of the user account management panel - "Email" tab.....	20
Picture 2.28 View of the user account management panel - "Hasło" tab.	21
Picture 2.29 View of the user account management panel - "Dane osobiste" tab.	22
Picture 3.1 Appearance and options of the context menu for a library staff member.	23
Picture 3.2 View of the user account management panel for library staff.....	23
Picture 3.3 User management view by library staff.....	24
Picture 3.4 User management view after granting administrator rights to "test12@gmail.com".	25
Picture 3.5 View of the library management panel.	26
Picture 3.6 View of the add book form.	27
Picture 3.7 A fragment of the homepage for library staff displaying one book record.....	28
Picture 3.8 View of the edit book form.	28
Picture 3.9 View of the book deletion confirmation.....	29
Picture 3.10 Author management view.	30
Picture 3.11 Add author form.	30
Picture 3.12 Author editing form.	31
Picture 3.13 Book volume management view.	32

Picture 3.14 Book volume management view after adding a book volume.	33
Picture 3.15 User selection form for loaning a book.....	34
Picture 3.16 Loan and reservation view for library staff.	35
Picture 3.17 Successful extension of the book volume loan.	36
Picture 3.18 Successful return of the book volume.	36