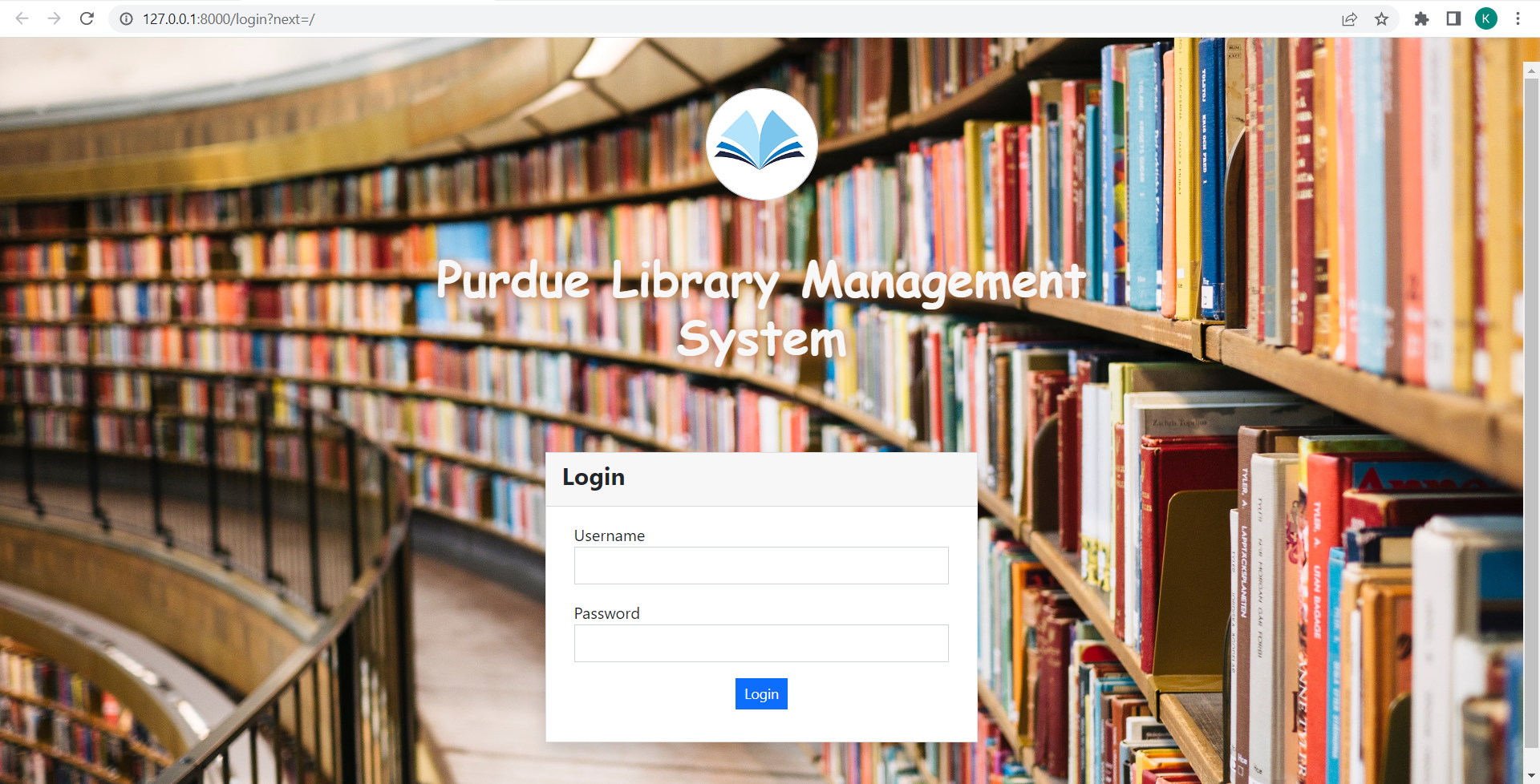
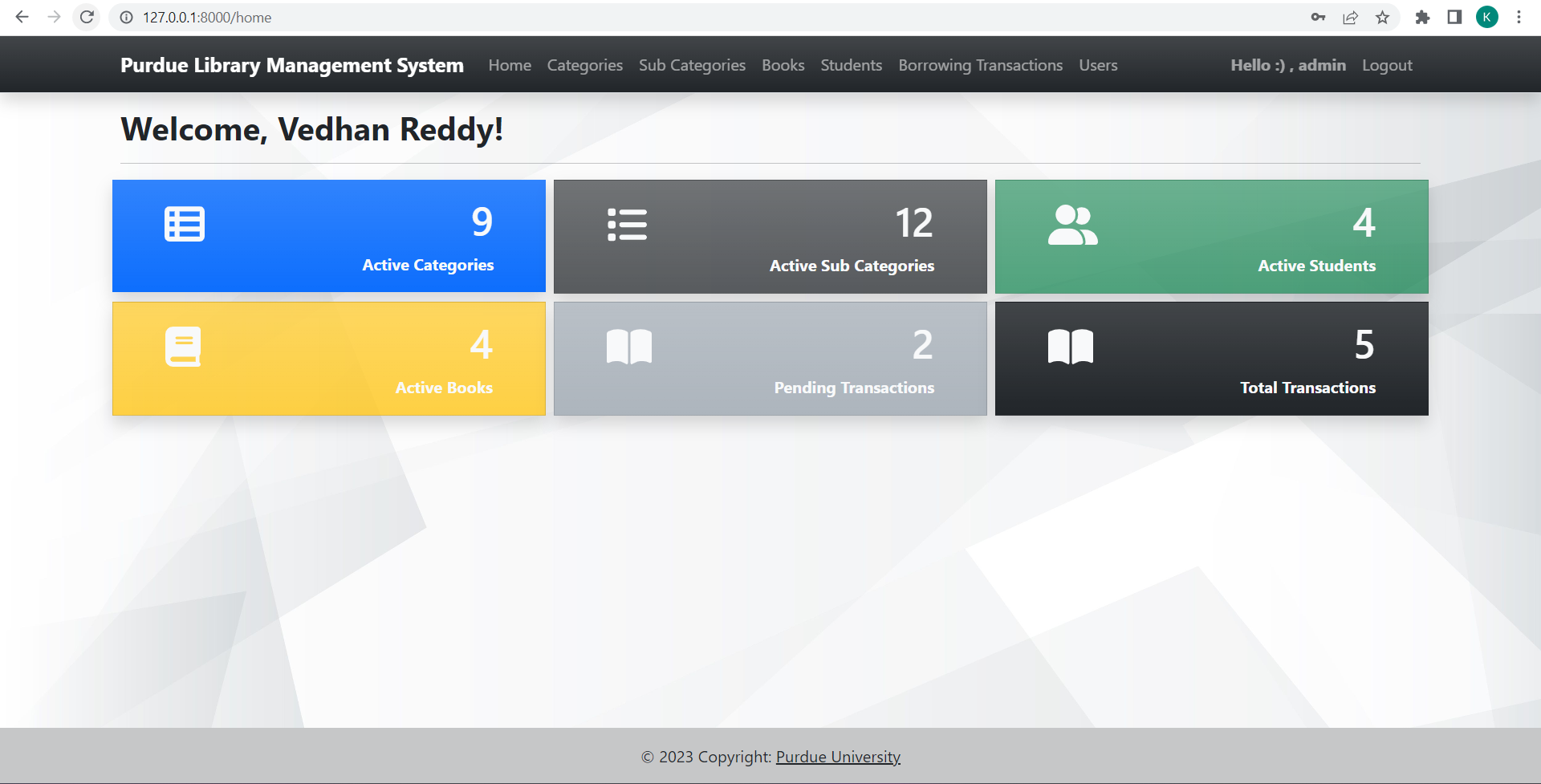
**Prototype running example figures:**

**Landing page of application :**



**Administrators Dashboard :**

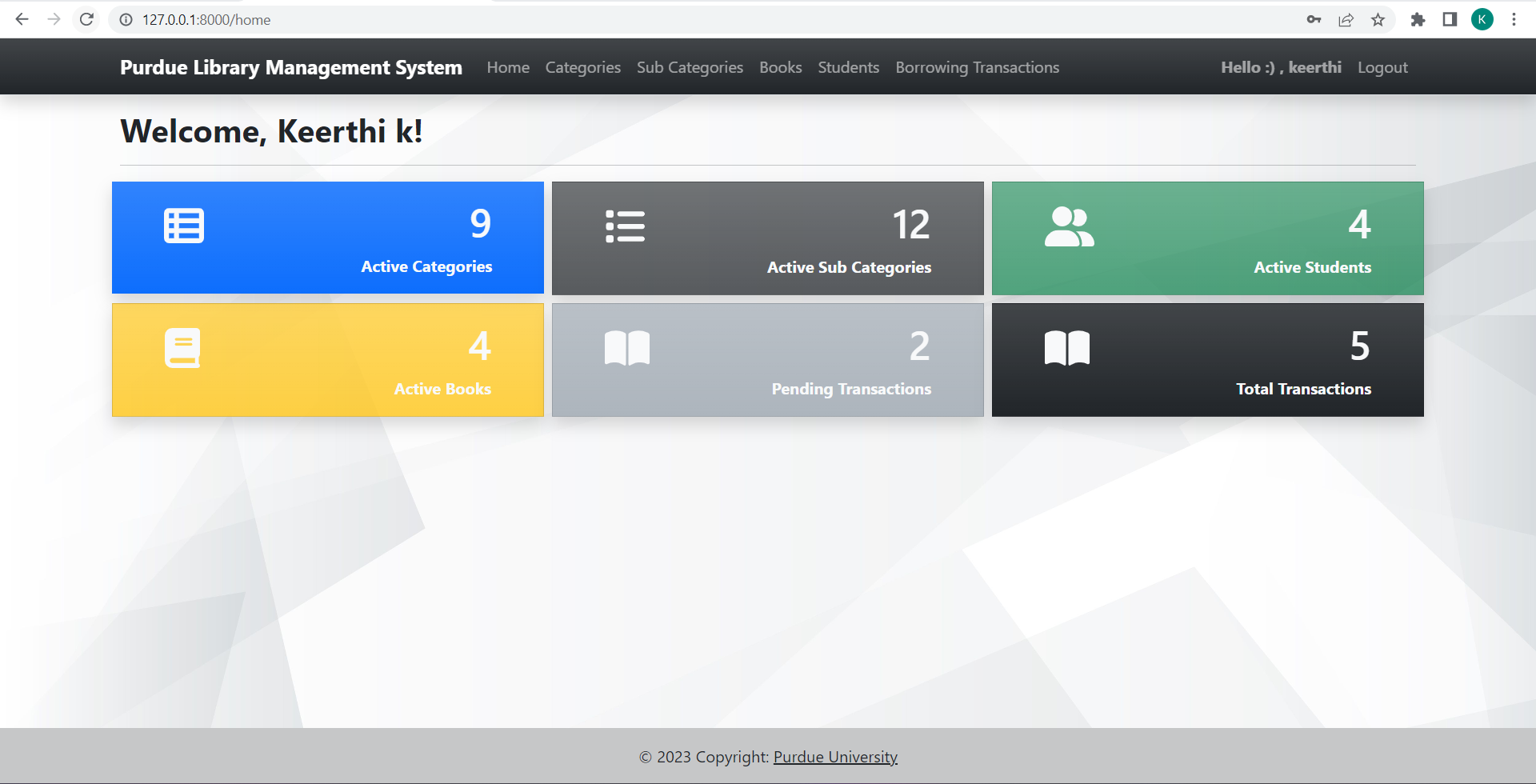
Admin can view and add new users to the application.



Data warehousing is a process of collecting, managing, and storing large amounts of data from various sources and organizing it in a way that enables efficient querying and analysis. The purpose of data warehousing is to provide a centralized repository of data that can be used for decision-making and reporting purposes.

In our project, we are collecting and storing various data points such as transaction details, student information, and book availability information, and organizing it in a way that allows for efficient querying and analysis. **The dashboard that displays the analytical reports is an example of how this organized data can be used for decision-making and reporting purposes**.

**Other users dashboard :**



**List of all categories of books that the library is keeping :**

Active status indicates that particular category is available in the library.

Graphical user interface

Description automatically generated

**Adding new category to the library :**

**Graphical user interface, application

Description automatically generated**

**List of Subcategories for the category that the library is keeping :**

**Graphical user interface

Description automatically generated**

**Description :** Computer science category has different subcategories like Data Science, Database Concepts, Operating Systems, Programming books as shown in the above image. Users can add new subcategory only for the active categories.

**Adding new subcategory to the library:**

Graphical user interface, application

Description automatically generated

**List of books shows all the books that the library is keeping:**

**A screenshot of a computer

Description automatically generated**

**Adding new book to the library :**

**Graphical user interface, text, application, email

Description automatically generated**

ISBN is a unique number that the library will assign to identify a particular book.

Search Functionality :

User can search for the particular book from all the available books.

Graphical user interface, text, application

Description automatically generated

Action drop-down functionality :

Graphical user interface, table

Description automatically generated with medium confidence

User can view, edit, or delete the book details by clicking on the Action dropdown button.

**List of students registered with the library :**

**Graphical user interface, application

Description automatically generated**

**Registering new student with the library :**

**Graphical user interface, application

Description automatically generated**

**List of Borrowing transactions displays all the book borrowing transactions :**

**Graphical user interface

Description automatically generated**

Books that are returned can be marked as **Returned**.

**Book borrowing transaction functionality :**

**Graphical user interface, application

Description automatically generated**

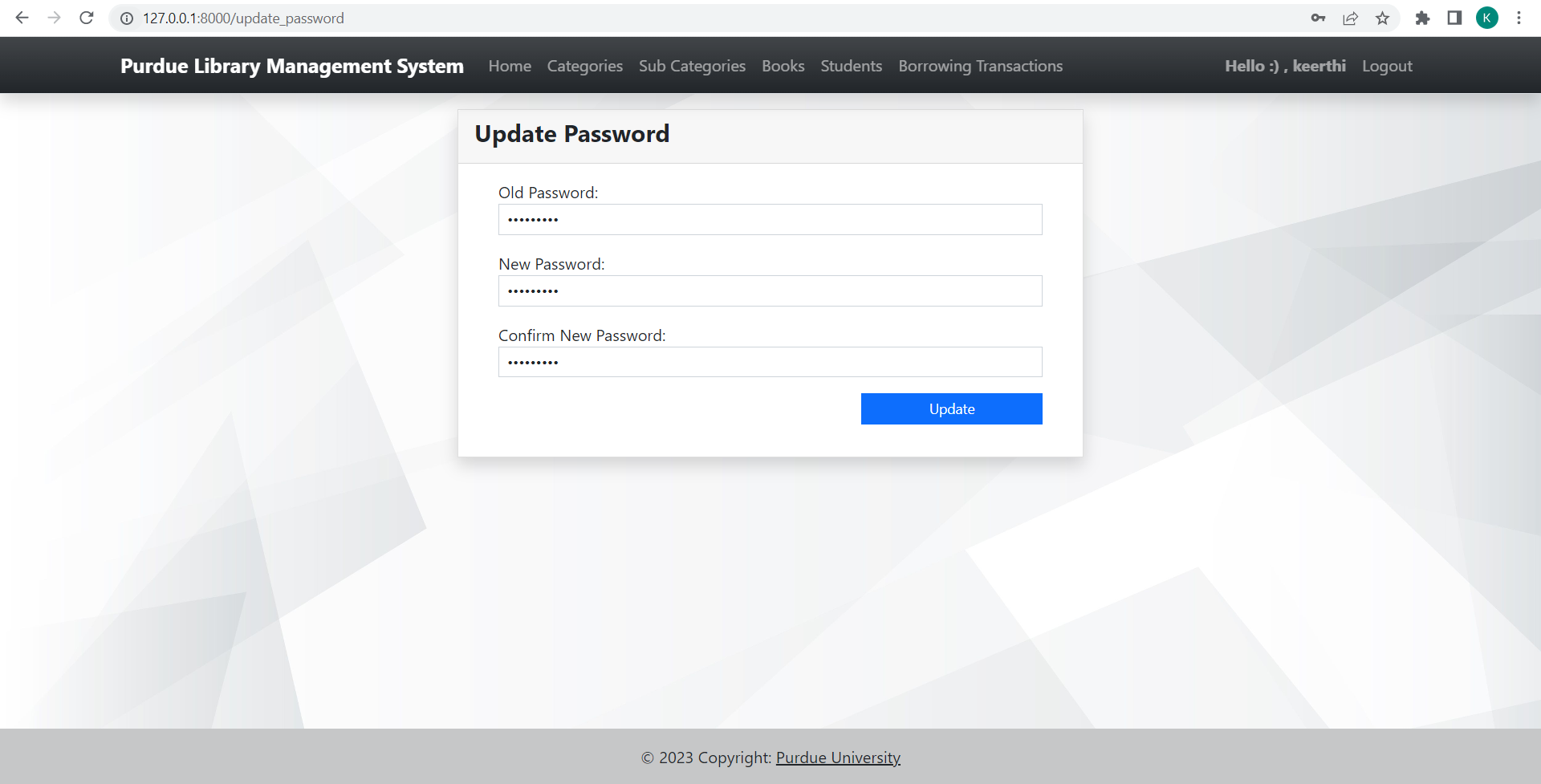
**Description :** The status field in the new transaction by default is set to Pending as the student is borrowing the book from the library.

User Profile screen:

Graphical user interface

Description automatically generated

Update Password functionality :



**Description :** User can update the password by entering his old password. Only if the old password is entered correctly, user will be able to update the password. System will throw an error if the old password is incorrect while updating the password.

User authentication and security :

Graphical user interface, application

Description automatically generated

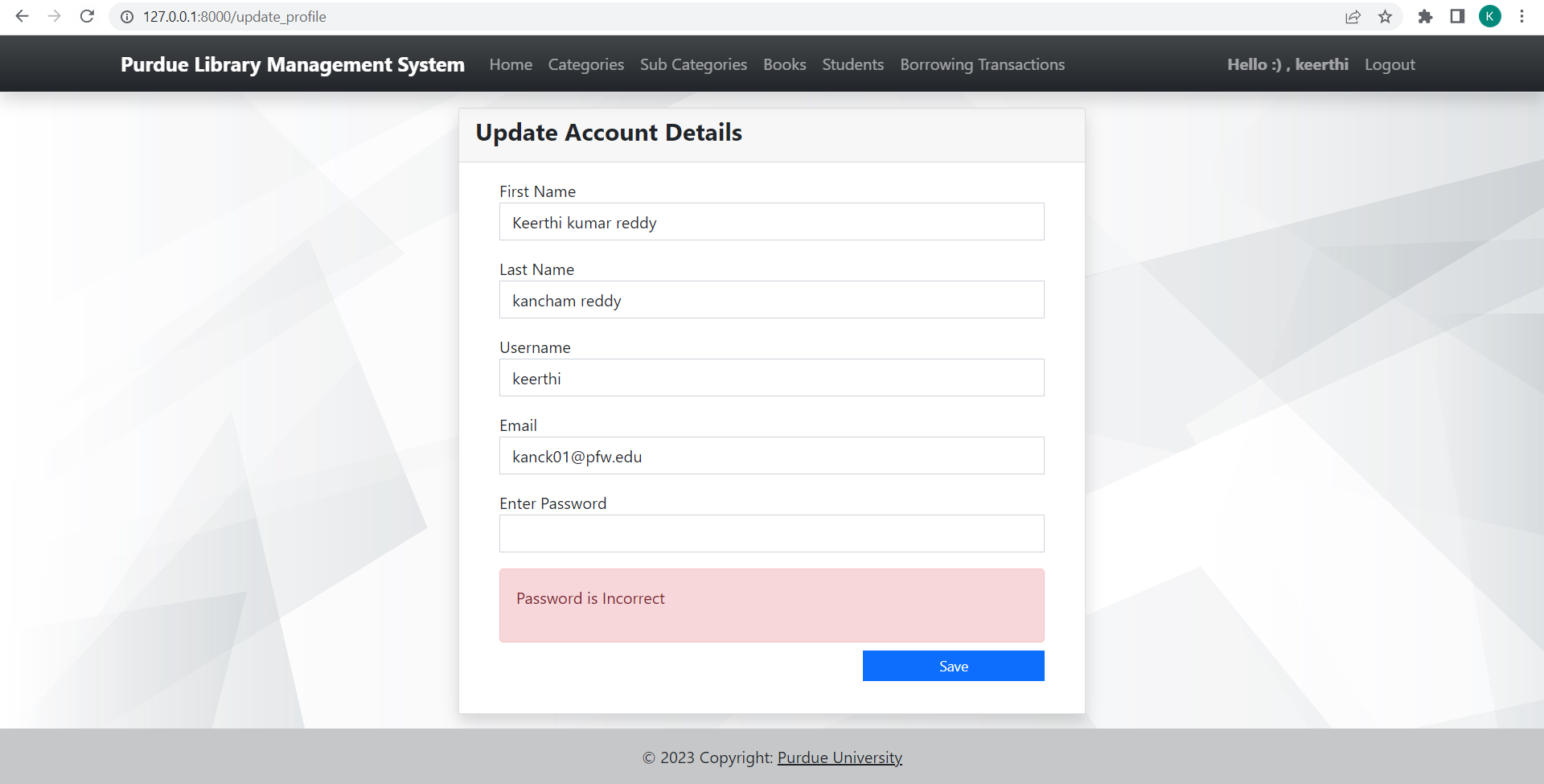
Update profile screen :

Graphical user interface, application

Description automatically generated

**Description:** User must enter his password to update his profile information. Only if the password is correct, User can update his profile information. System will throw an error message if the password entered is incorrect.

**User authentication and security :**

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