Relational Databases with MySQL Week 10 Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: In Eclipse, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document to the repository. Additionally, push an .sql file with all your queries and your Java project code to the same repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

In this week's coding activity, you will create a menu driven application backed by a MySQL database.

To start, choose one item that you like. It could be vehicles, sports, foods, etc....

Create a new Java project in Eclipse.

Create a SQL script in the project to create a database with one table. The table should be the item you picked.

Write a Java menu driven application that allows you to perform all four CRUD operations on your table.

Tips:

The application does not need to be as complex as the example in the video curriculum.

You need an option for each of the CRUD operations (Create, Read, Update, and Delete).

Remember that PreparedStatment.executeQuery() is only for Reading data and .executeUpdate() is used for Creating, Updating, and Deleting data.

Remember that both parameters on PreparedStatements and the ResultSet columns are based on indexes that start with 1, not 0.

Screenshots of Code:

```
db MyBooks.sql
                                                         PublishedBookMenu.java
                                                                                   Bool
src > application > 🌖 Menu.java > 😭 Menu > 😭 start()
      package application;
      import java.sql.SQLException;
      import java.util.List:
       import java.util.Scanner;
       import dao.PublishedBookDao;
       import entity.PublishedBook;
      public class Menu {
          private int choice;
          private PublishedBookDao publishedBookDao = new PublishedBookDao();
          private Scanner kb = new Scanner(System.in);
           private List<PublishedBook> allPBooks;
          public void start(){
              boolean end = false;
              AuthorMenu authorMenu = new AuthorMenu();
              AddPBookMenu addPBookMenu = new AddPBookMenu();
              PublishedBookMenu publishedBookMenu = new PublishedBookMenu();
              BookMenu bookMenu = new BookMenu();
              while (!end){
                  showMainMenu();
                  getInput();
                   try {
                       switch (choice) {
                          case 1:
                              getAllPBooks();
                              break;
                          case 2:
                              authorMenu.showAllAuthors();
                              break:
                          case 3:
                              bookMenu.bookVersions();;
                              break:
                          case 4:
                              addPBookMenu.addBook();
                              break:
                          case 5:
                              publishedBookMenu.finishBook();
                              break;
                          case 6:
                              publishedBookMenu.deleteBook();
                              break:
```

```
Menu.java X
              DBConnection.java
                                     db_MyBooks.sql
                                                         PublishedBookMenu.java
                                                                                    BookMenu.java
                                                                                                        AddPBookMe
src > application > 🧶 Menu.java > ધ Menu > 😭 start()
                              break;
                              kb.close();
                              end = true;
                              break:
                              System.out.println(x: "That was not a valid choice please try again.");
                  } catch (Exception e) {
                      System.out.println(x: "something went wrong");
                      System.out.println(e.getMessage());
                      System.out.println(e.getStackTrace());
                      System.out.println(e.toString());
              kb.close();
          private void showMainMenu(){
              System.out.println();
              System.out.println(x: "Please select one of the following options and then hit enter: ");
              System.out.println(x: "1. See all books in your library.");
              System.out.println(x: "2. See all authors in your library.");
              System.out.println(x: "3. See how many versions of a specific book you have.");
              System.out.println(x: "4. Add a new book.");
              System.out.println(x: "5. Set a book to finished.");
              System.out.println(x: "6. Remove a book from your library.");
              System.out.println(x: "7. Exit.");
              System.out.println();
          private void getAllPBooks() throws SQLException{
              allPBooks = publishedBookDao.getAllBooks();
              for (int i = 1; i <= allPBooks.size(); i++){</pre>
                  System.out.print(i + ". ");
                  allPBooks.get(i-1).printDetails();
                  System.out.println();
          private int getInput(){
                  choice = Integer.parseInt(kb.nextLine());
              } catch (Exception e) {
                  choice = 0;
              return choice:
```

```
choice = 0;

choice = 0;

return choice;

}

}
```

```
DBConnection.java
                       db_MyBooks.sql
                                             PublishedBookMenu.java
                                                                          BookMenu.java
                                                                                               AddPBookMenu.java X
App.java
src > application > • AddPBookMenu.java > • AddPBookMenu > • getAllBooks()
      package application;
       import java.util.List;
       import dao.AuthorDao;
      import dao.BookDao;
     import dao.LanguageDao;
      import dao.PublishedBookDao;
                                                        InputStream in
                                                        The "standard" input stream. This stream is already open and ready to supply
      import entity Language;
                                                        input data. Typically this stream corresponds to keyboard input or another input
      import entity.Publisher;
                                                        source specified by the host environment or user. In case this stream is wrapped
                                                        in a java.io.InputStreamReader, Console.charset() should be used for the charset,
       public class AddPBookMenu {
                                                        or consider using Console.reader().
           private BookDao bookDao = new BookDao();
           private PublishedBookDao publishedBookDa • See Also:
           private LanguageDao languageDao = new La
           private AuthorDao authorDao = new Author
           private Scanner kb = new Scanner(System.in);
           private int choice;
           private List<Book> allBooks;
           private String originalTitle;
           private int originalYear;
           private int originalLanguageID;
           private List<Integer> authors = new ArrayList<>();
           private String title;
           private int bookID;
           private int yearPublished;
           private int publisherID;
           private int languageID;
           private String translator;
           public void addBook() throws SQLException{
               boolean done = false;
               while (!done){
                    System.out.println(x: "Please make a selection from the following menu and hit enter:");
                    System.out.println(x: "1. I want to add a book");
System.out.println(x: "2. I want to go back to the main menu");
                    getInput();
                    switch (choice){
                        case 1:
                            addNewBook();
```

```
src > application > ① AddPBookMenu.java > ② AddPBookMenu > ③ getAllBooks()
                         System.out.println(x: "2. I want to go back to the main menu");
                         getInput();
                         switch (choice){
                              case 1:
                                   addNewBook();
                                  done = true:
                                   System.out.println(x: "That was not a valid choice please try again.");
              private void addNewBook() throws SQLException{
                   System.out.println(x: "We're going to start with information about the original edition of this book");

System.out.println(x: "This information is usually foind on the first couple of pages of a book");

System.out.println(x: "Please select 0 if your book is not one of these books or select the book's ID to add a new version");

System.out.println(x: "0. This is a completely new book");
                   getAllBooks();
                   choice = getPreciseInput(min: 0, allBooks.size());
                   while (choice == -1){
                        System.out.println(x: "That was not a valid choice please try again.");
choice = getPreciseInput(min: 0, allBooks.size());
                        createBook();
                        createPublishedBook(choice);
              private void createBook() throws SQLException{
                   System.out.println(x: "Please input the original title of the book when it was first published");
                   System.out.println(x: "the original title might be in a different language if the book has been translated");
System.err.println(x: "please hit enter when you are done");
                   originalTitle = kb.nextLine();
                   System.out.println(x: "Please enter the year when the book was first published");
                   getPreciseInput(min: 1000, max: 2023);
                        System.out.println(x: "That was not a valid choice please try again."); getPreciseInput(min: 1000, max: 2023);
                   originalYear = choice;
```

```
db MyBooks.sql
                                          PublishedBookMenu.java
                                                                      BookMenu.java
                                                                                          AddPBookMenu.java X
App.java
                                                                                                                                  AuthorM
src > application > ① AddPBookMenu.java > 公 AddPBookMenu > ۞ getAllBooks()
              originalYear = choice;
              System.out.println(x: "What language was the first edition printed in? Please make a selection and hit enter");
              System.out.println(x: "0. My language isn't on the list");
List<Language> languages = languageDao.getAllLanguages();
              for (Language languages){
                   language.printDetails();
              getPreciseInput(min: 0, languages.size());
               while (choice == -1){
                   System.out.println(x: "That was not a valid choice please try again.");
                   getPreciseInput(min: 0, languages.size());
               if (choice == 0){
                  originalLanguageID = createLanguage();
                  originalLanguageID = choice;
              createAuthors();
               if (originalLanguageID != 0 && authors.size() != 0){
                  bookID = bookDao.createBook(originalTitle, originalYear, originalLanguageID, authors);
                  System.out.println();
                  createPublishedBook(bookID);
                  System.out.println(x: "something went wrong, please try again");
          private void createAuthors() throws SQLException{
              boolean done = false;
              while (!done){
                  System.out.println(x: "Please input who wrote your book");
                   System.out.println(x: "If your book has multiple authors please input one at a time");
                  System.out.println(x: "0. My author is not on the list");
                   List<Author> existingAuthors = authorDao.getAllAuthors();
                   for(Author author:existingAuthors){
                       author.printDetails();
                   System.err.println((existingAuthors.size() + 1) + ". I am done adding authors");
                   getPreciseInput(min: 0, (existingAuthors.size()+1));
```

```
src > application > 🏮 AddPBookMenu.java > ધ AddPBookMenu > 😚 getAllBooks()
                      getPreciseInput(min: 0, (existingAuthors.size()+1));
                      while (choice == -1)
                          System.out.println(x: "That was not a valid choice please try again."); getPreciseInput(min: 0, (existingAuthors.size()+1));
                      if (choice == 0){
                           authors.add(addAuthor2DB());
                           System.out.println(authors);
                      } else if (choice == (existingAuthors.size()+1) && authors.size() > 0){
                      } else if (choice == (existingAuthors.size()+1) && authors.size() == 0){
                          System.out.println(x: "you need to add at least one author");
                          authors.add(choice):
            private int addAuthor2DB() throws SQLException {
                 System.out.println(x; "please input the author's first name and hit enter");
String firstName = kb.nextLine();
while (firstName.equals(anObject: "")){
    System.out.println(x; "the first name cannot be blank");
    (firstName.equals(anObject: ""))
                      firstName = kb.nextLine();
                 System.out.println(x: "please input the author's middle name, if they have none just hit enter");
                 String middleName = kb.nextLine();
                 System.out.println(x: "please input the author's last name, if they have none just hit enter");
                 String lastName = kb.nextLine();
                 System.out.println(x: "Some authors use a nom de plume if the author also goes by a different name please put that in");
System.out.println(x: "if the author does not have another name that they go by please just hit enter");
                 String aka = kb.nextLine();
                 return authorDao.addAuthor(firstName, middleName, lastName, aka);
            private void createPublishedBook (int bookID) throws SQLException{
                 System.out.println(x: "Now we need information about this specific copy:");
                 System.out.println(x: "Please input the title of this book and hit enter");
```

```
> application > Q AddPBookMenu.java > 3 AddPBookMenu > 3 getAllBooks()
            getPreciseInput(min: 1000, max: 2023);
            while (choice == -1){
                System.out.println(x: "Please input a valid year");
                getPreciseInput(min: 1000, max: 2023);
            yearPublished = choice;
            System.out.println(x: "Please make a selection of the book's publisher and hit enter");
            System.out.println(x: "0. My publisher is not on this list");
            List<Publisher> publishers = publishedBookDao.getAllPublishers();
            for (Publisher publisher: publishers){
                publisher.printDetails();
            getPreciseInput(min: 0, publishers.size());
            while (choice == -1){
                System.out.println(x: "That was not a valid choice please try again.");
                getPreciseInput(min: 0, publishers.size());
            if (choice == 0){
                publisherID = createPublisher();
             } else {
                publisherID = choice;
            System.out.println(x: "What language is your book in? Please make a selection and hit enter");
            System.out.println(x: "0. My language isn't on the list");
List<Language> languages = languageDao.getAllLanguages();
            for (Language language: languages){
                language.printDetails();
            getPreciseInput(min: 0, languages.size());
            while (choice == -1){
                System.out.println(x: "That was not a valid choice please try again.");
                getPreciseInput(min: 0, languages.size());
                languageID = createLanguage();
             } else {
                languageID = choice;
            System.out.println(x: "1. Yes, this book was originally written in another language.");
```

```
DBConnection.java
                       db MyBooks.sql
                                             PublishedBookMenu.java
                                                                         BookMenu.java
                                                                                              AddPBookMenu.java X
App.java
                                                                                                                                        Author
src > application > • AddPBookMenu.java > • AddPBookMenu > • getAllBooks()
               System.out.println(x: "1. Yes, this book was originally written in another language."); System.out.println(x: "2. No, this book is in it's original language");
               getPreciseInput(min: 1, max: 2);
                   System.out.println(x: "That was not a valid choice please try again.");
                    getPreciseInput(min: 1, max: 2);
                   System.err.println(x: "Please input the translator's name in and hit enter.");
                    translator = kb.nextLine();
                    translator = null;
               if(bookID != 0 && publisherID != 0 && languageID != 0){
                    int newpbookID = publishedBookDao.addPBook(bookID, title, yearPublished, publisherID, languageID, translator);
                    if (newpbookID != 0){
                        System.out.println(x: "SUCCESS your book has been added");
                   System.out.println(x: "something went wrong please try again");
           private int createLanguage() throws SQLException{
               System.out.println(x: "Please input the language you'd like to input and hit enter");
               String newLanguage = kb.nextLine();
int newLanguageID = languageDao.addLanguage(newLanguage);
               return newLanguageID;
           private int createPublisher() throws SQLException{
               System.out.println(x: "Please input the publisher you'd like to input and hit enter");
               String newPublisher = kb.nextLine();
               int newPublisherID = publishedBookDao.addPublisher(newPublisher);
               return newPublisherID;
           private void getAllBooks() throws SQLException{
               allBooks = bookDao.getAllBooks();
                for (Book book: allBooks){
                   book.printDetails();
```

```
private void getInput(){
    try {
        choice = Integer.parseInt(kb.nextLine());
    } catch (Exception e) {
        choice = -1;
    }

    private int getPreciseInput(int min, int max){
        try {
            choice = Integer.parseInt(kb.nextLine());
            if (choice < min || choice > max){ choice = -1;}
        }
        catch (Exception e) {
            choice = -1;
        }
        return choice;
    }
}
```

```
src > application > ● AuthorMenu.java > 😝 AuthorMenu > 😚 showBooks4Author(List < Author>)
       package application;
          private AuthorDao authorDao = new AuthorDao();
           private PublishedBookDao publishedBookDao = new PublishedBookDao();
            private int choice;
           private Scanner kb = new Scanner(System.in);
           public void showAllAuthors() throws SQLException{
               boolean done = false;
                List<Author> authors = authorDao.getAllAuthors();
for (Author author : authors){
                     author.printDetails();
                    System.out.println();
                     System.out.println(x: "Please choose one of the following options and hit enter:");
                    System.out.println(x: "1. To see all the books in your library by a specific author");
System.out.println(x: "2. Show all authors again");
System.out.println(x: "3. Go back");
                     getInput();
                     switch (choice){
                         case 1:
                              showBooks4Author(authors);
                          case 2:
                                   author.printDetails();
                              break:
                          case 3:
                              System.out.println(x: "That was not a valid choice please try again.");
```

```
src > application > 0 AuthorMenu.java > 4 AuthorMenu > 3 showBooks4Author(List<Author>)
                           done = true;
                          System.out.println(x: "That was not a valid choice please try again.");
          private void showBooks4Author(List<Author> authors) throws SQLException{
              System.err.println();
              System.err.println(x: "Please select the id of an author listed above and hit enter");
              getInput();
              if (choice > 0 && choice <= (authors.size() + 1)){</pre>
                  List<PublishedBook> pBooks = publishedBookDao.getAllPBooks4Author(authors.get(choice-1));
                  for (int i = 1; i \leftarrow pBooks.size(); i++){}
                      System.out.print(i + ". ");
                      pBooks.get(i-1).printDetails();
                      System.out.println();
                  System.out.println(x: "This is not a valid choice please try again.");
           private int getInput(){
                  choice = Integer.parseInt(kb.nextLine());
                  choice = 0;
              return choice;
```

```
src > application > ● BookMenu.java > 😝 BookMenu > 😚 bookVersions()
      package application;
           private List<Book> allBooks;
           private List<PublishedBook> pBooks;
           private BookDao bookDao = new BookDao();
           private PublishedBookDao publishedBookDao = new PublishedBookDao();
           private Scanner kb = new Scanner(System.in);
           public void bookVersions() throws SQLException{
   System.out.println(x: "Which book do you want to see all the versions of?");
   System.out.println(x: "0. go back to the main menu");
                getAllBooks();
                choice = getPreciseInput(min: 0, allBooks.size());
                    choice = getPreciseInput(min: 0, allBooks.size());
                if (choice == 0){
                    int bookID = choice;
                     pBooks = publishedBookDao.getAllPBooks4BookID(bookID);
                     if (pBooks.size() == 0){
                         System.err.println(x: "you don't have any versions of this book in your library");
                         for(int i = 1; i <= pBooks.size(); i++){</pre>
                             System.out.print(i + ". ");
                              pBooks.get(i-1).printDetails();
                              System.out.println();
```

```
private void getAllBooks() throws SQLException {
    allBooks = bookDao.getAllBooks();
    for (Book book: allBooks){
        book.printDetails();
    }
}
//getAllBooks

private int getPreciseInput(int min, int max){
    try {
        choice = Integer.parseInt(kb.nextLine());
        if (choice < min || choice > max){ choice = -1;}
    } catch (Exception e) {
        choice = -1;
    }

return choice;
}//get precise input
```

```
rc > application > 🏮 PublishedBookMenu.java > 숙 PublishedBookMenu > 😚 deleteBook()
     import java.sql.SQLException;
     import java.util.List;
      import dao.PublishedBookDao;
      public class PublishedBookMenu {
          private dao.PublishedBookDao lPBooks;
          private PublishedBookDao publishedBookDao = new PublishedBookDao();
          private Scanner kb = new Scanner(System.in);
          private int choice;
          public void finishBook() throws SQLException{
              int choice;
               System.out.println(x: "0. go back to the main menu");
               getAllPBooks();
               choice = getPreciseInput(min: 0, allPBooks.size());
               while (choice == -1){
                  choice = getPreciseInput(min: 0, allPBooks.size());
               PublishedBook selectedBook = allPBooks.get(choice-1);
               if(selectedBook.isFinished()){
                   System.out.println(x: "you already finished this book");
System.out.println(x: "we are currently unable to add multiple finishdates to one book");
                   System.out.println(x: "do you want to update the old date to the new date?");
                   System.out.println(x: "1. yes, please update to the new date");
System.out.println(x: "2. no, please take me back to the main menu");
                   choice = getPreciseInput(min: 1, max: 2);
                   while (choice == -1){
    choice = getPreciseInput(min: 1, max: 2);
                       finishBook2DB(selectedBook, updatefinish: true);
                    finishBook2DB(selectedBook, updatefinish: false);
```

```
src > application > ● PublishedBookMenu.java > 😫 PublishedBookMenu > ۞ deleteBook()
          public void deleteBook() throws SQLException{
              System.out.println(x: "Please select which book you would like to delete and hit enter");
              System.out.println(x: "0. I don't want to delete any books, take me back to the main menu");
              getAllPBooks();
              int choice = getPreciseInput(min: 0, allPBooks.size());
                  System.out.println(x: "That was not a valid choice please try again.");
                  choice = getPreciseInput(min: 0, allPBooks.size());
              if (choice == 0){
                  PublishedBook selectedBook = allPBooks.get(choice - 1);
                  System.out.println(x: "are you sure you want to delete this book?");
                  selectedBook.printDetails();
                  System.out.println();
                  System.out.println(x: "1. yes, delete it already!");
                  System.out.println(x: "2. no, let's go back to safety!");
                  choice = getPreciseInput(min: 1, max: 2);
                  while (choice == -1){
                      choice = getPreciseInput(min: 1, max: 2);
                  if (choice == 1){
                      publishedBookDao.deletePBook(selectedBook.getPublishedBookID());
                      getAllPBooks();
                  } else {
                      return;
          private void finishBook2DB(PublishedBook selectedBook, boolean updatefinish) throws SQLException{
              System.out.println(x: "Please input the date that you finished the book in YYYY-MM-DD format");
              String dateString = kb.nextLine();
              Date date = null;
              while (date == null){
89 🗸
                      SimpleDateFormat format = new SimpleDateFormat(pattern: "yyyy-MM-dd");
                      date = format.parse(dateString);
                  } catch (Exception e) {
                      System.out.println(x: "Please input the date that you finished the book in YYYY-MM-DD format");
                      dateString = kb.nextLine();
```

```
src > application > 🧶 PublishedBookMenu.java > ધ PublishedBookMenu > 🕅 deleteBook()
                               private\ void\ \textbf{finishBook2DB} (PublishedBook\ \textbf{selectedBook},\ boolean\ \textbf{updatefinish})\ throws\ SQLException \{argument for the private of the private
                                          System.out.println(x: "Please input the date that you finished the book in YYYY-MM-DD format");
                                          String dateString = kb.nextLine();
                                         Date date = null;
                                                               SimpleDateFormat format = new SimpleDateFormat(pattern: "yyyy-MM-dd");
                                                                date = format.parse(dateString);
                                                      } catch (Exception e) {
                                                               System.out.println(x: "Please input the date that you finished the book in YYYY-MM-DD format");
                                                                dateString = kb.nextLine();
                                          publishedBookDao.addFinishedDate(selectedBook.getPublishedBookID(), date, updatefinish);
                                          getAllPBooks();
                               private void getAllPBooks() throws SQLException{
                                        allPBooks = publishedBookDao.getAllBooks();
                                          for (int i = 1; i <= allPBooks.size(); i++){</pre>
                                                    System.out.print(i + ". ");
                                                      allPBooks.get(i-1).printDetails();
                                                    System.out.println();
                               private int getPreciseInput(int min, int max){
                                                  choice = Integer.parseInt(kb.nextLine());
                                                    if (choice < min || choice > max){ choice = -1;}
                                                  choice = -1;
                                          return choice;
```

```
public int addAuthor(String firstName, String middleName, String lastName, String aka) throws SQLException{
    PreparedStatement ps = connection.prepareStatement(ADD_AUTHOR);
    ps.setString(parameterIndex: 1, middleName);
    ps.setString(parameterIndex: 2, middleName);
    ps.setString(parameterIndex: 4, aka);
    return rs.getInt(columnIndex: 1);
    return rs.getInt(columnIndex: 1);
    return rs.getInt(columnIndex: 1);
    return ns.getInt(columnIndex: 1);
    return ns.getInt(columnIndex: 1);
    return new Author(int id, String firstName, String middleName, String lastName, String aka){
    return new Author(id, removeDiacritics(firstName), removeDiacritics(middleName), removeDiacritics(lastName), removeDia
```

```
🕽 BookDao.java > ધ BookDao > 😭 getBooksByAuthor(Author)
import java.util.ArrayList;
import java.util.List;
import entity.Author;
import entity.Book;
      private Connection connection;
private List<Book> books;
       private LanguageDao languageDao = new LanguageDao();
      private LanguageDao a new LanguageDao();
private AuthorDao authorDao = new AuthorDao();
private final String GET_ALL_BOOKS = "SELECT * FROM book";
private final String GET_BOOK_BY_ID = "SELECT * FROM book WHERE bookID = ?";
private final String GET_BOOK_BY_AUTHOR = "SELECT * FROM book AS B INNER JOIN bookauthor AS BA ON BA.bookID = B.bookID WHERE BA.authorID = ?";
private final String INSERT_NEW_BOOK = "INSERT INTO mybooks.book (OriginalBookName, FirstEditionYear,OriginalLanguageID) VALUES (?, ?, ?)";
private final String INSERT_NEW_BOOKAUTHOR = "INSERT INTO mybooks.bookauthor (BookID, AuthorID) VALUES (?, ?)";
private final String GET_NEW_BOOKID = "SELECT bookID FROM book ORDER BY bookID DESC LIMIT 1";
       public BookDao() {
             this.connection = DBConnection.getConnection();
       public List<Book> getAllBooks() throws SQLException{
   ResultSet rs = connection.prepareStatement(GET_ALL_BOOKS).executeQuery();
              books = new ArrayList<>();
                    books.add(populateBook(rs.getInt(columnIndex: 1), rs.getString(columnIndex: 2), rs.getInt(columnIndex: 3), rs.getInt(columnIndex: 4)));
        public Book getBookByID(int bookID) throws SQLException{
              PreparedStatement ps = connection.prepareStatement(GET_BOOK_BY_ID);
ps.setInt(parameterIndex: 1, bookID);
               ResultSet rs = ps.executeQuery();
              Book currentBook = null;
                    currentBook = populateBook(rs.getInt(columnIndex: 1), rs.getString(columnIndex: 2), rs.getInt(columnIndex: 3), rs.getInt(columnIndex: 4));
```

```
🏮 BookDao.java > ધ BookDao > 😚 getBooksByAuthor(Author
public List<Book> getBooksByAuthor(Author author) throws SQLException{
    PreparedStatement ps = connection.prepareStatement(GET_BOOKS_BY_AUTHOR);
     ps.setInt(parameterIndex: 1, author.getAuthorID());
      ResultSet rs = ps.executeQuery();
     while (rs.next()){
        books.add(populateBook(rs.getInt(columnIndex: 1), rs.getString(columnIndex: 2), rs.getInt(columnIndex: 3), rs.getInt(columnIndex: 4)));
     return books:
public int createBook(String originalBookName, int yearPublished, int originalLanguageID, List<Integer> authors) throws SQLException{
    PreparedStatement ps = connection.prepareStatement(INSERT_NEW_BOOK);
     ps.setString(parameterIndex: 1, originalBookName);
     ps.setInt(parameterIndex: 2, yearPublished);
     ps.setInt(parameterIndex: 3, originalLanguageID);
     ps.executeUpdate();
     ResultSet rs = connection.prepareStatement(GET_NEW_BOOKID).executeQuery();
         createBookAuthor(rs.getInt(columnIndex: 1), authors);
return rs.getInt(columnIndex: 1);
     return 0;
public void createBookAuthor(int bookID, List<Integer> authors) throws SQLException{
         PreparedStatement ps = connection.prepareStatement(INSERT_NEW_BOOKAUTHOR); ps.setInt(parameterIndex: 1, bookID);
          ps.setInt(parameterIndex: 2, i);
          ps.executeUpdate();
private Book populateBook (int id, String originalBookName, int yearPublished, int languageID) throws SQLException{
   Language language = languageDao.getLanguageByID(languageID);
   List<Author> authors = authorDao.getAllAuthors4Book(id);
     return new Book(id, removeDiacritics(originalBookName), yearPublished, language, authors);
private String removeDiacritics(String diacritics){
   if(diacritics == null){
      return Normalizer.normalize(diacritics, Normalizer.Form.NFD).replaceAll(regex: "[^\\p{ASCII}]", replacement: "");
```

```
src > dao > ● DBConnection.java > 😝 DBConnection > 分 getConnection()
      import java.sql.*;
           private final static String URL = "jdbc:mysql://localhost:3306/mybooks";
           private final static String USERNAME = "root";
           private final static String PASSWORD = "qwer1234!";
           private static Connection connection;
           private static DBConnection instance;
           private DBConnection(Connection connection){
               DBConnection.connection = connection;
            public static Connection getConnection() {
               if (instance == null){
                   try {
                               connection = DriverManager.getConnection(URL, USERNAME, PASSWORD);
                               instance = new DBConnection(connection);
                               System.out.println(x: "connection successful");
                           catch(SQLException e){
                               System.out.println(x: "Access denied");
                               e.printStackTrace();
                return DBConnection.connection;
 30
```

```
src > dao > 🤨 LanguageDao.java > ધ LanguageDao > 😚 addLanguage(String)
      public class LanguageDao {
          private final String GET_ALL_LANGUAGES = "SELECT * FROM languages";
         private final String GET_LANGUAGE_BY_ID_QUERY = "SELECT * FROM languages WHERE languageID = ?";
private final String ADD_LANGUAGE = "INSERT INTO mybooks.languages (LanguageDescription) VALUES (?)";
          private final String GET_NEW_LANGUAGEID = "SELECT languageID FROM Languages ORDER BY languageID DESC LIMIT 1";
          public LanguageDao() {
              this.connection = DBConnection.getConnection();
          public List<Language> getAllLanguages() throws Collection (
              List<Language> languages = new ArrayList<>( String GET_ALL_LANGUAGES
              ResultSet rs = connection.prepareStatement(GET_ALL_LANGUAGES).executeQuery();
                   languages.add(new Language(rs.getInt(columnIndex: 1), rs.getString(columnIndex: 2)));
              return languages;
          public Language getLanguageByID(int languageID) throws SQLException{
               PreparedStatement ps = connection.prepareStatement(GET_LANGUAGE_BY_ID_QUERY);
                ps.setInt(parameterIndex: 1, languageID);
                ResultSet rs = ps.executeQuery();
               Language language = null;
               while (rs.next()){
                   language = new Language(rs.getInt(columnIndex: 1), rs.getString(columnIndex: 2));
              return language;
```

```
public int addLanguage(String language) throws SQLException{
    PreparedStatement ps = connection.prepareStatement(ADD_LANGUAGE);
    ps.setString(parameterIndex: 1, language);
    ps.executeUpdate();

    ResultSet rs = connection.prepareStatement(GET_NEW_LANGUAGEID).executeQuery();
    if (rs.next()){
        return rs.getInt(columnIndex: 1);
    }
    return 0;
}
```

```
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```

```
return new PublishedBook(id, book, removeDiacritics(publishedBookName), yearPublished, publisher, language, removeDiacritics(translator),finished);
private Publisher getPublisherByID(int id) throws SQLException{
   PreparedStatement ps = connection.prepareStatement(GET_PUBLISHER_BY_ID);
    ps.setInt(parameterIndex: 1, id);
    ResultSet rs = ps.executeOuerv():
       publisher = new Publisher(rs.getInt(columnIndex: 1), rs.getString(columnIndex: 2));
    return publisher;
public List<Publisher> getAllPublishers() throws SQLException{
    ResultSet rs = connection.prepareStatement(GET_ALL_PUBLISHERS).executeQuery();
    List<Publisher> publishers = new ArrayList<>();
         publishers.add(new Publisher(rs.getInt(columnIndex: 1),rs.getString(columnIndex: 2)));
    Date date = null;
PreparedStatement ps = connection.prepareStatement(GET_FINISHED_DATE);
    ps.setInt(parameterIndex: 1, pBookID);
    ResultSet rs = ps.executeQuery();
if (rs.next()){ date = rs.getDate(columnIndex: 1);}
    return date:
private String removeDiacritics(String diacritics){
   if(diacritics == null){
     return Normalizer.normalize(diacritics, Normalizer.Form.NFD).replaceAll(regex: "[^\\p{ASCII}]", replacement: "");
```

```
src > entity > 🧶 Author.java > ધ Author
      public class Author {
          private int authorID;
           private String firstName;
           private String middleName;
           private String lastName;
           private String aka;
          private boolean hasAka;
 10
           public Author(int authorID, String firstName, String middleName, String lastName, String aka) {
               this.authorID = authorID;
               this.firstName = firstName;
               this.middleName = middleName;
               this.lastName = lastName;
               this.aka = aka;
               this.hasAka = !(aka==null);
           public void printDetails(){
               System.out.print( authorID + ". " + firstName);
               if (middleName != null){System.out.print(" " + middleName);}
if (lastName != null){System.out.print(" " + lastName);}
                   if(!aka.equals(anObject: "")){System.out.print(" AKA: " + aka);}
               System.out.println();
           public String getName(){
               String name = firstName;
               if (lastName != null){name += " " + lastName;}
               return name;
           public String getFirstName() {
               return firstName;
           public void setFirstName(String firstName) {
               this.firstName = firstName;
           public String getMiddleName() {
               return middleName;
```

```
src > entity > ① Author.java > 😭 Author
           public void setFirstName(String firstName) {
               this.firstName = firstName;
 42
           public String getMiddleName() {
              return middleName;
           public void setMiddleName(String middleName) {
              this.middleName = middleName;
           public String getLastName() {
              return lastName;
           public void setLastName(String lastName) {
              this.lastName = lastName;
           public String getAka() {
               return aka;
           public void setAka(String aka) {
              this.aka = aka;
           public boolean hasAka() {
              return hasAka;
 70
 71
           public void setHasAka(boolean hasAka) {
              this.hasAka = hasAka;
          public int getAuthorID() {
              return authorID;
 78
 79
```

```
src > entity > 🏮 Book.java > ધ Book > 🛇 printDetails()
       public class Book {
           private int bookID;
           private Int Booklap;
private String originalBookName;
private int firstPublishedYear;
           private Language originalLanguage;
private List<Author> authors;
            public Book (String originalBookName, int firstPublishedYear, Language originalLanguage, List<Author> authors){
    this.originalBookName = originalBookName;
                  this.firstPublishedYear = firstPublishedYear;
                 this.originalLanguage = originalLanguage;
                 this.authors = authors;
            public Book (int bookID, String originalBookName, int firstPublishedYear, Language originalLanguage, List<Author> authors){
                 this.bookID = bookID;
                 this.originalBookName = originalBookName;
                 this.firstPublishedYear = firstPublishedYear;
this.originalLanguage = originalLanguage;
this.authors = authors;
            public void printDetails(){
                 System.out.print(bookID + ". " + originalBookName + " written by ");
                  for (int i = 0; i < authors.size(); i++){</pre>
                      if (i < authors.size() - 1){</pre>
                           System.out.print(authors.get(i).getName() + " and ");
                           System.out.print(authors.get(i).getName());
            public int getBookID() {
    return bookID;
            public String getOriginalBookName() {
    return originalBookName;
```

```
src > entity > 🕖 Book.java > 😭 Book > 😭 printDetails()
 36
              System.out.println();
           public int getBookID() {
               return bookID;
           public String getOriginalBookName() {
               return originalBookName;
 45
           public int getFirstPublishedYear() {
               return firstPublishedYear;
           public Language getOriginalLanguage() {
               return originalLanguage;
           public List<Author> getAuthors() {
               return authors;
           public void setOriginalBookName(String originalBookName) {
               this.originalBookName = originalBookName;
           public void setFirstPublishedYear(int firstPublishedYear) {
               this.firstPublishedYear = firstPublishedYear;
           public void setOriginalLanguage(Language originalLanguage) {
               this.originalLanguage = originalLanguage;
           public void setAuthors(List<Author> authors) {
               this.authors = authors;
```

```
src > entity > 🌖 Language.java > ધ Language
      package entity;
      public class Language {
          private int languageID;
          private String languageDescription;
          public Language(String languageDescription) {
              this.languageDescription = languageDescription;
              public Language(int languageID, String languageDescription) {
              this.languageID = languageID;
              this.languageDescription = languageDescription;
          public void printDetails(){
              System.out.println(languageID + ". " + languageDescription);
          public int getLanguageID() {
              return languageID;
           public String getLanguageDescription() {
              return languageDescription;
 28
           public void setLanguageDescription(String languageDescription) {
              this.languageDescription = languageDescription;
```

```
src > entity > 🧶 PublishedBook.java > 😭 PublishedBook
      package entity;
      import java.text.SimpleDateFormat;
      public class PublishedBook {
         private int publishedBookID;
          private Book book;
          private String publishedBookName;
          private int yearPublished;
          private Publisher publisher;
          private Language language;
          private String translator;
          private boolean finished = false;
          private Date dateFinished;
 19
          public PublishedBook(int publishedBookID, Book book, String publishedBookName, int yearPublished,
                  Publisher publisher, Language language, String translator, Date dateFinished) {
              this.publishedBookID = publishedBookID;
              this.book = book;
              this.publishedBookName = publishedBookName;
              this.yearPublished = yearPublished;
              this.publisher = publisher;
              this.language = language;
              this.translator = translator;
              this.dateFinished = dateFinished;
              if (dateFinished != null){this.finished = true;}
          public void printDetails(){
              DateFormat df = new SimpleDateFormat(pattern: "dd MMM yyyy");
              List<Author> authors = book.getAuthors();
              System.out.print(publishedBookName + " written by ");
              for (int i = 0; i < authors.size(); i++){}
                  if (i < authors.size() - 1){
                      System.out.print(authors.get(i).getName() + " and ");
                  } else {
                      System.out.print(authors.get(i).getName());
              if (dateFinished != null){ System.out.print(" Finished book on: " + df.format(dateFinished));}
```

```
public int getPublishedBookID() {
    return publishedBookID;
public Book getBook() {
   return book;
public String getPublishedBookName() {
   return publishedBookName;
public int getYearPublished() {
   return yearPublished;
public Publisher getPublisher() {
   return publisher;
public Language getLanguage() {
   return language;
public String getTranslator() {
   return translator;
public boolean isFinished() {
   return finished;
public Date getDateFinished() {
   return dateFinished;
public void setBook(Book book) {
   this.book = book;
public void setPublishedBookName(String publishedBookName) {
    this.publishedBookName = publishedBookName;
public void setYearPublished(int yearPublished) {
   this.yearPublished = yearPublished;
```

```
src > entity > 9 PublishedBook.java > 😭 PublishedBook
           public Date getDateFinished() {
               return dateFinished;
 82
           public void setBook(Book book) {
              this.book = book;
           public void setPublishedBookName(String publishedBookName) {
               this.publishedBookName = publishedBookName;
           public void setYearPublished(int yearPublished) {
              this.yearPublished = yearPublished;
           public void setPublisher(Publisher publisher) {
               this.publisher = publisher;
           public void setLanguage(Language language) {
               this.language = language;
           public void setTranslator(String translator) {
              this translator = translator;
           public void setFinished(boolean finished) {
              this.finished = finished;
110
111
           public void setDateFinished(Date dateFinished) {
              this.dateFinished = dateFinished;
112
113
114
115
```

```
src > entity > 0 Publisher.java > 😭 Publisher > 🕎 printDetails()
      package entity;
      public class Publisher {
           private int publisherID;
           private String name;
           public Publisher(String name){
               this.name = name;
           public Publisher(int publisherID, String name) {
 11
               this.publisherID = publisherID;
 12
               this.name = name;
           public void printDetails(){
 17
               System.out.println(publisherID + ". " + name);
           public int getPublisherID() {
               return publisherID;
 21
           public String getName() {
               return name;
           public void setName(String name) {
               this.name = name;
```

Screenshots of Running Application:

```
p=transport=dt_socket,server=n,suspend=y,address=localhost:64761'
connection successful

Please select one of the following options and then hit enter:

1. See all books in your library.
2. See all authors in your library.
3. See how many versions of a specific book you have.
4. Add a new book.
5. Set a book to finished.
M 6. Remove a book from your library.
7. Exit.
```

```
6. Remove a book from your library.
7. Exit.
1. Dasenka cili zivot stenete written by Karel Capek Finished book on: 30 Aug 1990
2. Dasja written by Karel Capek
3. Dashenka Or, The Life of a Puppy written by Karel Capek
4. Neverwhere written by Neil Gaiman Finished book on: 04 Mar 2000
5. Nikdykde written by Neil Gaiman Finished book on: 07 May 2000
6. Niemandsland written by Neil Gaiman
7. Color of Magic written by Terry Pratchett
8. Barva kouzel written by Terry Pratchett
9. De kleur van toverij written by Terry Pratchett
10. Good Omens: The Nice and Accurate Prophecies of Agnes Nutter, Witch written by Terry Pratchett and Neil Gaiman
11. Dobra znameni written by Terry Pratchett and Neil Gaiman
12. Hoge Omens written by Terry Pratchett and Neil Gaiman
13. De donkere kamer van Damokles written by Willem Hermans Finished book on: 21 Sep 2002
14. The Darkroom of Damocles written by Willem Hermans
15. Temna komora Damoklova written by Willem Hermans
Please select one of the following options and then hit enter:
1. See all books in your library.
2. See all authors in your library
3. See how many versions of a specific book you have.
4. Add a new book.
5. Set a book to finished.
6. Remove a book from your library.
7. Exit.
```

```
    see all books in your library.

2. See all authors in your library.
3. See how many versions of a specific book you have.
4. Add a new book.
5. Set a book to finished.
6. Remove a book from your library.
7. Exit.
1. Willem Frederik Hermans AKA: WF Hermans
2. Karel Capek
3. Terry Pratchett AKA: Sir Terence David John Pratchett
4. Neil Richard Gaiman AKA: Neil Richard MacKinnon Gaiman
Please choose one of the following options and hit enter:
1. To see all the books in your library by a specific author
2. Show all authors again
3. Go back
1
Please select the id of an author listed above and hit enter
1. Dasenka cili zivot stenete written by Karel Capek Finished book on: 30 Aug 1990
2. Dasja written by Karel Capek
3. Dashenka Or, The Life of a Puppy written by Karel Capek
Please choose one of the following options and hit enter:
1. To see all the books in your library by a specific author
2. Show all authors again
3. Go back
Please select one of the following options and then hit enter:
1. See all books in your library.
2. See all authors in your library.
3. See how many versions of a specific book you have.
4. Add a new book.
5. Set a book to finished.
6. Remove a book from your library.
7. Exit.
```

```
3. See how many versions of a specific book you have. 4. Add a new book.
5. Set a book to finished.
6. Remove a book from your library.
7. Exit.
Which book do you want to see all the versions of?

0. go back to the main menu
1. Dasenka cili zivot stenete written by Karel Capek
2. Neverwhere written by Neil Gaiman

    The Colour of Magic written by Terry Pratchett
    Good Omens: The Nice and Accurate Prophecies of Agnes Nutter, Witch written by Terry Pratchett and Neil Gaiman
    De donkere kamer van Damokles written by Willem Hermans

1. Good Omens: The Nice and Accurate Prophecies of Agnes Nutter, Witch written by Terry Pratchett and Neil Gaiman
2. Dobra znameni written by Terry Pratchett and Neil Gaiman
3. Hoge Omens written by Terry Pratchett and Neil Gaiman
Please select one of the following options and then hit enter: 1. See all books in your library.
2. See all authors in your library.

    See how many versions of a specific book you have.
    Add a new book.

5. Set a book to finished.
6. Remove a book from your library.
7. Exit.
```

```
4. Add a new book.
5. Set a book to finished.
6. Remove a book from your library.
7. Exit.
Please make a selection from the following menu and hit enter:
1. I want to add a book
2. I want to go back to the main menu
We're going to start with information about the original edition of this book
This information is usually foind on the first couple of pages of a book
Please select 0 if your book is not one of these books or select the book's ID to add a new version
0. This is a completely new book
1. Dasenka cili zivot stenete written by Karel Capek
2. Neverwhere written by Neil Gaiman
3. The Colour of Magic written by Terry Pratchett
4. Good Omens: The Nice and Accurate Prophecies of Agnes Nutter, Witch written by Terry Pratchett and Neil Gaiman
5. De donkere kamer van Damokles written by Willem Hermans
Please input the original title of the book when it was first published
the original title might be in a different language if the book has been translated
please hit enter when you are done
Pippi Dlouha Puncocha
Please enter the year when the book was first published
What language was the first edition printed in? Please make a selection and hit enter
0. My language isn't on the list
1. English
2. Czech
3. Dutch
Please input the language you'd like to input and hit enter
Please input who wrote your book
If your book has multiple authors please input one at a time
0. My author is not on the list
1. Willem Frederik Hermans AKA: WF Hermans
2. Karel Capek
3. Terry Pratchett AKA: Sir Terence David John Pratchett
4. Neil Richard Gaiman AKA: Neil Richard MacKinnon Gaiman
```

5. I am done adding authors

```
please input the author's first name and hit enter
please input the author's middle name, if they have none just hit enter
please input the author's last name, if they have none just hit enter
Some authors use a nom de plume if the author also goes by a different name please put that in
if the author does not have another name that they go by please just hit enter
Astrid Lindgrenova
Please input who wrote your book
If your book has multiple authors please input one at a time
0. My author is not on the list
1. Willem Frederik Hermans AKA: WF Hermans
2. Karel Capek
3. Terry Pratchett AKA: Sir Terence David John Pratchett
4. Neil Richard Gaiman AKA: Neil Richard MacKinnon Gaiman
5. Astrig Lindgren AKA: Astrid Lindgrenova
6. I am done adding authors
Now we need information about this specific copy:
Please input the title of this book and hit enter
Pippi Langstumpf
Please input the year this copy was published and hit enter
Please make a selection of the book's publisher and hit enter
0. My publisher is not on this list
1. Albatros
2. Voetnoot, Uitgeverij
3. James Press
4. Talpress
5. De Boekerij
6. Haper Collins Publishers
7. Polaris
8. Uitgeverij Luitingh-Sijthoff B.V.
9. Host
10. The Overlook Press
11. Uitgeverij G.A. van Oorschot B.V.
What language is your book in? Please make a selection and hit enter
0. My language isn't on the list
1. English
2. Czech
3. Dutch
4. Slovak
```

```
Please input the language you'd like to input and hit enter
Swedish
Was this book translated? Please make input your choice and hit enter
1. Yes, this book was originally written in another language.
2. No, this book is in it's original language
1
Please input the translator's name in and hit enter.
Milada Horackova
SUCCESS your book has been added
Please make a selection from the following menu and hit enter:
1. I want to add a book
2. I want to go back to the main menu
```

```
5. Set a book to finished.
6. Remove a book from your library.
7. Exit.
Please select which book you would like to set to finished
0. go back to the main menu
1. Dasenka cili zivot stenete written by Karel Capek Finished book on: 30 Aug 1990
2. Dasja written by Karel Capek
3. Dashenka Or, The Life of a Puppy written by Karel Capek
4. Neverwhere written by Neil Gaiman Finished book on: 04 Mar 2000
5. Nikdykde written by Neil Gaiman Finished book on: 07 May 2000
6. Niemandsland written by Neil Gaiman
7. Color of Magic written by Terry Pratchett
8. Barva kouzel written by Terry Pratchett
9. De kleur van toverij written by Terry Pratchett
10. Good Omens: The Nice and Accurate Prophecies of Agnes Nutter, Witch written by Terry Pratchett and Neil Gaiman
11. Dobra znameni written by Terry Pratchett and Neil Gaiman
12. Hoge Omens written by Terry Pratchett and Neil Gaiman
13. De donkere kamer van Damokles written by Willem Hermans Finished book on: 21 Sep 2002
14. The Darkroom of Damocles written by Willem Hermans
15. Temna komora Damoklova written by Willem Hermans
16. Pippi Langstumpf written by Astrig Lindgren
Please input the date that you finished the book in YYYY-MM-DD format
Please input the date that you finished the book in YYYY-MM-DD format
2022-05-06
1. Dasenka cili zivot stenete written by Karel Capek Finished book on: 30 Aug 1990

    Dasja written by Karel Capek
    Dashenka Or, The Life of a Puppy written by Karel Capek
    Neverwhere written by Neil Gaiman Finished book on: 04 Mar 2000

5. Nikdykde written by Neil Gaiman Finished book on: 07 May 2000
6. Niemandsland written by Neil Gaiman
7. Color of Magic written by Terry Pratchett
8. Barva kouzel written by Terry Pratchett
9. De kleur van toverij written by Terry Pratchett
10. Good Omens: The Nice and Accurate Prophecies of Agnes Nutter, Witch written by Terry Pratchett and Neil Gaiman
11. Dobra znameni written by Terry Pratchett and Neil Gaiman
12. Hoge Omens written by Terry Pratchett and Neil Gaiman
13. De donkere kamer van Damokles written by Willem Hermans Finished book on: 21 Sep 2002
14. The Darkroom of Damocles written by Willem Hermans

    Temma komora Damoklova written by Willem Hermans
    Pippi Langstumpf written by Astrig Lindgren Finished book on: 06 May 2022
```

```
6. Remove a book from your library.
Please select which book you would like to delete and hit enter
0. I don't want to delete any books, take me back to the main menu
1. Dasenka cili zivot stenete written by Karel Capek Finished book on: 30 Aug 1990
2. Dasja written by Karel Capek
3. Dashenka Or, The Life of a Puppy written by Karel Capek
4. Neverwhere written by Neil Gaiman Finished book on: 04 Mar 2000
5. Nikdykde written by Neil Gaiman Finished book on: 07 May 2000
6. Niemandsland written by Neil Gaiman
7. Color of Magic written by Terry Pratchett
8. Barva kouzel written by Terry Pratchett
9. De kleur van toverij written by Terry Pratchett
10. Good Omens: The Nice and Accurate Prophecies of Agnes Nutter, Witch written by Terry Pratchett and Neil Gaiman
11. Dobra znameni written by Terry Pratchett and Neil Gaiman
12. Hoge Omens written by Terry Pratchett and Neil Gaiman
13. De donkere kamer van Damokles written by Willem Hermans Finished book on: 21 Sep 2002
14. The Darkroom of Damocles written by Willem Hermans
15. Temna komora Damoklova written by Willem Hermans
16. Pippi Langstumpf written by Astrig Lindgren Finished book on: 06 May 2022
12
are you sure you want to delete this book?
Hoge Omens written by Terry Pratchett and Neil Gaiman
1. yes, delete it already!
2. no, let's go back to safety!
1. Dasenka cili zivot stenete written by Karel Capek Finished book on: 30 Aug 1990
2. Dasja written by Karel Capek
3. Dashenka Or, The Life of a Puppy written by Karel Capek
4. Neverwhere written by Neil Gaiman Finished book on: 04 Mar 2000
5. Nikdykde written by Neil Gaiman Finished book on: 07 May 2000
6. Niemandsland written by Neil Gaiman
7. Color of Magic written by Terry Pratchett
8. Barva kouzel written by Terry Pratchett
9. De kleur van toverij written by Terry Pratchett
10. Good Omens: The Nice and Accurate Prophecies of Agnes Nutter, Witch written by Terry Pratchett and Neil Gaiman

    Dobra znameni written by Terry Pratchett and Neil Gaiman
    De donkere kamer van Damokles written by Willem Hermans Finished book on: 21 Sep 2002

13. The Darkroom of Damocles written by Willem Hermans
14. Temna komora Damoklova written by Willem Hermans
15. Pippi Langstumpf written by Astrig Lindgren Finished book on: 06 May 2022
Please select one of the following options and then hit enter:
1. See all books in your library.
```

Please select one of the following options and then hit enter:

- 1. See all books in your library.
- 2. See all authors in your library.
- 3. See how many versions of a specific book you have.
- 4. Add a new book.
- 5. Set a book to finished.
- 6. Remove a book from your library.
- 7. Exit.

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PS C:\Users\fabri\Desktop\Promineo\week10\PromineoWeek10\Week10>

URL to GitHub Repository:

https://github.com/MerelOhler/PromineoWeek10/