User Guide  
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# Modules Used

* JavaFX
* Junit5

# Set Up

If needed:

1. Add the following to build bath:
   1. modules/lib/javafx.base.jar
   2. modules/lib/javafx.controls.jar
   3. modules/lib/javafx.fxml.jar
   4. modules/lib/javafx.graphics.jar
   5. modules/lib/javafx.media.jar
   6. modules/lib/javafx.swing.jar
   7. modules/lib/javafx.web.jar
   8. modules/lib/javafx.swt.jar

Graphical user interface, application

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1. In run configurations 🡪 Arguments 🡪 Add The following to VM arguments:
   1. --module-path "Modules\javafx-sdk-11.0.2\lib" --add-modules javafx.controls,javafx.fxml

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1. Add the Junit 5 Library

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# How To Add A Record?

1. From the home page select the “Add Book Record” button.

Graphical user interface

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1. The ID will be automatically generated based on the highest ID in the CSV File.
2. Enter data in their relevant fields, see below for test data:

|  |  |
| --- | --- |
| Field | Value |
| ISBN | 9780743273565 |
| Title | The Great Gatsby |
| Author | F. Scott Fitzgerald |
| Number of Pages | 218 |
| Genre | Mystery |
| Review | It’s a good book. |

|  |  |
| --- | --- |
| Field | Value |
| ISBN | 978-1499190038 |
| Title | Pride and Prejudice |
| Author | Jane Austen |
| Number of Pages | 226 |
| Genre | Romance |
| Review | Mr Darcy is an interesting character. |

|  |  |
| --- | --- |
| Field | Value |
| ISBN | 1983416088 |
| Title | The Time Machine |
| Author | H.G. Wells |
| Number of Pages | 84 |
| Genre | Science-Fiction |
| Review | An Important book |

1. Once the fields are filled with the relevant data, press the save button to save the record.

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# View All Records

1. From the home page select the “View Book Record” button.

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1. This page shows all the records in a table.

Table

Description automatically generated

1. The view columns which are hidden below, use the horizontal scroll bar.

Table

Description automatically generated

1. To sort a specific column, left click the column heading

Table

Description automatically generated

Table

Description automatically generated

# View Specific Record

1. From the home page select the “View Book Record” button.

Graphical user interface

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1. This page shows all the records in a table.

Table

Description automatically generated

1. By right clicking a specific row, you will see the record in more detail.

A picture containing diagram

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# Edit a Record

1. From the home page select the “Edit Book Record” button.

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1. This page shows all the records in a table.

Table

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1. By right clicking a specific row, you will load that record in edit mode.

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1. After editing certain fields, press save to update.

Graphical user interface, application

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# Delete a Record

1. From the home page select the “Delete Book Record” button.

Graphical user interface, text

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1. This page shows all the records in a table.

Table

Description automatically generated

1. To delete a record, write click the row that contains it.

Graphical user interface, text

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1. Select OK to confirm the deletion

Graphical user interface, text

Description automatically generated

# Search For A Record

1. From the home page select the “Search Books” button.

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Description automatically generated

1. Enter the criteria you wish to search and press the search button.

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Graphical user interface, application, table

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1. You are also able to narrow the search results by adding extra criteria

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1. To view the results in more detail, right click the required row.

A picture containing diagram

Description automatically generated

# View Genres as Pie Chart

1. From the home page select the “Book Record Statistics” button.

Graphical user interface, text

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1. Following this select the “Pie Chart of Genres” button.

Chart, pie chart

Description automatically generated

Graphical user interface, text, application

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# View Line Graph of Number of Pages

1. From the home page select the “Book Record Statistics” button.

Graphical user interface, text

Description automatically generated

1. Following this select the “Graph of Number of Pages” button.

Chart, line chart

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# View Averages

1. From the home page select the “Book Record Statistics” button.

Graphical user interface, text

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1. Following this select the “Averages(Pages and Genres)” Button

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Graphical user interface

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