



# User manual

Complete Guide of the system

## 1.1. Basic features of the system:

### 1.1.1. Add book information to the table.

- Fill all the text fields of the form.
- Click on 'Add to Table' button on the bottom lefts side of the interface.

The screenshot displays the 'Books Information System' window. On the left, a form titled 'Form:' is enclosed in a red box. It contains the following fields: 'Book ID' (value: 5), 'Book Name' (value: Philosopher's Stone), 'Price' (value: 50000), 'Author' (value: Manra Hackens), 'Price Range' (radio buttons for Cheap, Medium, Expensive; 'Expensive' is selected), and 'Genre' (dropdown menu showing 'Science Fiction (Sci-Fi)'). Below the form are three buttons: 'Add to Table' (highlighted with a red box), 'Clear', and 'Update Table'. To the right of the form is a table with 6 columns: Book ID, Genre, Book Name, Price Range, Price (Nrs), and Author. The table contains 4 rows of data. Below the table are two search sections: 'Search Book Details by Price:' with a 'Price' input field and a 'Search' button; and 'Search Books Count on the basis of Category:' with a 'Genre' dropdown menu and a 'Search' button. At the bottom center is an 'Exit System' button.

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Develt	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic Novel	Want to be happy	Medium	1500	Adam Practer

Figure 1: Adding Book info to the table.

- Book information added successfully to the table.

Books Information System.

File Help

## Books Information System

**Form:**

Book ID :

Book Name :

Price :

Author :

Price Range : ☐ Cheap ☐ Medium ☐ Expensive

Genre :

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Deveil	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic ...	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hackens

**Search Book Details by Price:**

Price :

**Search Books Count on the basis of Category:**

Genre :

Figure 2: Book info successfully added.

### 1.1.2. Clear data from the form.

- Click on the 'Clear' button which can be found on the bottom left side of the interface.

The screenshot shows the 'Books Information System' window. On the left, there is a 'Form:' section with the following fields: 'Book ID' (value: 6), 'Book Name' (value: Nineteen Eighty-Four), 'Price' (value: 25000), 'Author' (value: George Orwell), 'Price Range' (radio buttons: Cheap, Medium, Expensive; 'Expensive' is selected), and 'Genre' (dropdown menu: Science Fiction (Sci-Fi)). Below these fields are three buttons: 'Add to Table', 'Clear' (highlighted with a red border), and 'Update Table'. On the right, there is a table with 6 columns: Book ID, Genre, Book Name, Price Range, Price (Nrs), and Author. The table contains 5 rows of data. Below the table are two search sections: 'Search Book Details by Price:' with a 'Price' input field and a 'Search' button; and 'Search Books Count on the basis of Category:' with a 'Genre' dropdown menu (value: -- Choose an option --) and a 'Search' button. At the bottom center is an 'Exit System' button.

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Devel	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic ...	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hackens

Figure 3: Before triggering the clear button.

- After triggering the clear button, all the fields of the form will be empty, all the radio buttons will be unselected and the combo box will be set as default.

The screenshot shows the 'Books Information System' window after the 'Clear' button has been triggered. The 'Form:' section on the left now has empty fields: 'Book ID', 'Book Name', 'Price', 'Author', 'Price Range' (radio buttons: Cheap, Medium, Expensive; none are selected), and 'Genre' (dropdown menu: -- Choose an option --). The 'Add to Table', 'Clear' (now disabled), and 'Update Table' buttons are still present. The table on the right remains the same as in Figure 3. The search sections and the 'Exit System' button are also unchanged.

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Devel	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic Novel	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hackens

Figure 4: After triggering clear button.

### 1.1.3. Search the book in the table by its price.

On the bottom right corner of the interface, there is a search feature that allows the user to search the book according to its price. The user has to follow the steps below:

- Enter the price of the book to be searched.
- Now click on the 'Search' button.
- If there is a book with the price, its information will be shown in the dialog box.

The screenshot displays the 'Books Information System' window. On the left is a form for adding or updating book details. On the right is a table listing books. At the bottom right, there is a search section with two options: 'Search Book Details by Price' and 'Search Books Count on the basis of Category'. The 'Search Book Details by Price' section has a text input field containing '2500' and a 'Search' button, both highlighted with red boxes. The 'Search Books Count on the basis of Category' section has a dropdown menu and a 'Search' button.

**Books Information System**

File Help

**Form:**

Book ID :

Book Name :

Price :

Author :

Price Range : ☐ Cheap ☐ Medium ☐ Expensive

Genre : -- Choose an option --

Add to Table Clear Update Table

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Deveil	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic Novel	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hackens

**Search Book Details by Price:**

Price :

**Search Books Count on the basis of Category:**

Genre : -- Choose an option --

Figure 5: Searching book by its price.

- After triggering the search button, the details of the book with the entered price will be displayed.

Books Information System.

File Help

## Books Information System

**Form:**

Book ID :

Book Name :

Price :

Author :

Price Range : ☐ Cheap ☐ Medium ☐ Expensive

Genre :

Book ID	Genre	Book Name	Price Range	Price (INR)	Author
1	Action and Adventure	The World of Deveil	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic Novel	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hackens

Price :

**Search Books Count on the basis of Category:**

Genre :

Info

Book ID: 2

Book Name: Man with no legs

Genre: Action and Adventure

Author: Mike Haland

Price Range: Medium

Price: 2500

Figure 6: After triggering the price search button.

#### 1.1.4. Search books count based on genre.

In the bottom right corner of the interface, there is another search section which can facilitate user to view the count of book available of the given genre. For that the user has to follow the steps below:

- Select the genre of the book from the combo box.
- Now click on the 'Search' button.
- The system will display the total available count of the books of the given genre.

The screenshot displays the 'Books Information System' window. On the left is a 'Form:' section with input fields for Book ID, Book Name, Price, Author, and Price Range (radio buttons for Cheap, Medium, Expensive), and a Genre dropdown menu. Below these are 'Add to Table', 'Clear', and 'Update Table' buttons. On the right is a table with 6 columns: Book ID, Genre, Book Name, Price Range, Price (Nrs), and Author. The table contains 5 rows of data. Below the table are two search sections. The first is 'Search Book Details by Price:' with a Price input field and a Search button. The second is 'Search Books Count on the basis of Category:' with a Genre dropdown menu (highlighted with a red box) and a Search button (highlighted with a red box). At the bottom center is an 'Exit System' button.

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Deveil	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic Novel	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hackens

Figure 7: Searching books by its genre.

- After triggering the search button, the total counts of the book with the entered genre will be displayed along with their names.

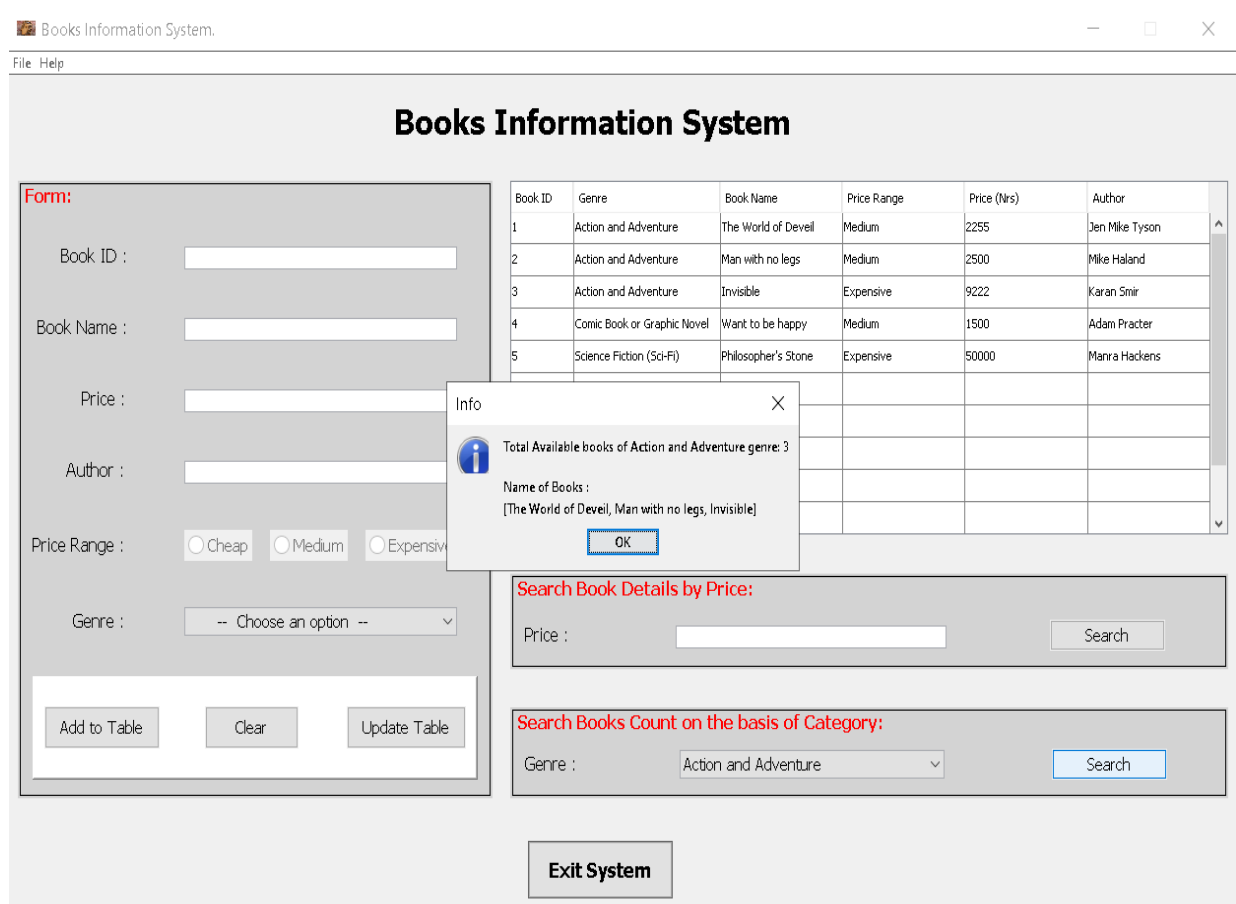


Figure 8: After triggering genre search button.



### 1.1.5. Update the book information from the selected row of the table.

- Select the book information from the table is wish to be updated.

**Books Information System**

**Form:**

Book ID :

Book Name :

Price :

Author :

Price Range : ☐ Cheap ☐ Medium ☒ Expensive

Genre :

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Deveil	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic Novel	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hackens

**Search Book Details by Price:**

Price :

**Search Books Count on the basis of Category:**

Genre :

Figure 9: Selecting row to be updated.

- All the details of the selected row are set in the form.
- Now users can change the information of the form according to their wish.
- Click on the 'Update' button to update the table.

The screenshot shows the 'Books Information System' window. On the left is a 'Form:' with fields for Book ID (5), Book Name (Harry Potter and the Philosopher's Stone), Price (2500), Author (Hickens Manra Hickens), Price Range (Medium selected), and Genre (Science Fiction (Sci-Fi)). At the bottom of the form are buttons for 'Add to Table', 'Clear', and 'Update Table' (highlighted with a red box). On the right is a table with 6 columns: Book ID, Genre, Book Name, Price Range, Price (Nrs), and Author. Row 5 is highlighted in blue. Below the table are two search sections: 'Search Book Details by Price:' with a Price input field and a Search button, and 'Search Books Count on the basis of Category:' with a Genre dropdown and a Search button. At the bottom center is an 'Exit System' button.

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Deveil	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic Novel	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hickens

Figure 10: Updating necessary changes in the fields.

- Information has been updated and added to the table successfully.

The screenshot shows the 'Books Information System' window after the update. The 'Form:' fields are now empty. The table now has 5 rows, with row 5 highlighted in red. The new entry is: Book ID 5, Genre Science Fiction (Sci-Fi), Book Name Harry Potter and th..., Price Range Medium, Price (Nrs) 2500, Author Hickens Manra Ha... Below the table are the same search sections and the 'Exit System' button.

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Deveil	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic ...	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Harry Potter and th...	Medium	2500	Hickens Manra Ha...

Figure 11: After triggering the update button.

## 1.2. File management system of the interface:

### 1.2.1. Create a new interface.

- On the top of the interface, there is a menu bar.
- Click on the 'File' menu option.

The screenshot shows a window titled "Books Information System" with a menu bar containing "File" and "Help". The "File" menu is highlighted with a red box. The main area is divided into several sections:

- Form:** A section on the left with input fields for Book ID, Book Name, Price, and Author. It also has radio buttons for Price Range (Cheap, Medium, Expensive) and a dropdown for Genre. At the bottom are buttons for "Add to Table", "Clear", and "Update Table".
- Table:** A table with 6 columns: Book ID, Genre, Book Name, Price Range, Price (Nrs), and Author. It contains 5 rows of data.
- Search Book Details by Price:** A section with a "Price" input field and a "Search" button.
- Search Books Count on the basis of Category:** A section with a "Genre" dropdown and a "Search" button.
- Exit System:** A button at the bottom center.

Book ID	Genre	Book Name	Price Range	Price (Nrs)	Author
1	Action and Adventure	The World of Deveil	Medium	2255	Jen Mike Tyson
2	Action and Adventure	Man with no legs	Medium	2500	Mike Haland
3	Action and Adventure	Invisible	Expensive	9222	Karan Smir
4	Comic Book or Graphic Novel	Want to be happy	Medium	1500	Adam Practer
5	Science Fiction (Sci-Fi)	Philosopher's Stone	Expensive	50000	Manra Hackens

Figure 12: Clicking of file menu.

- A new combo box will appear.
- Click on the 'New' menu item.

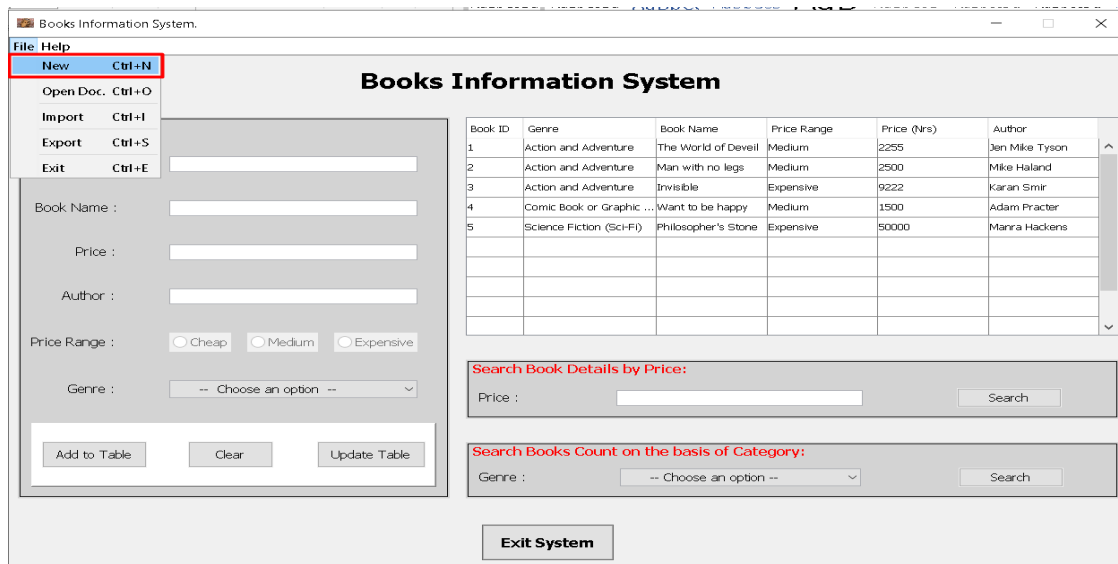


Figure 13: Clicking on the new menu item.

- A new interface will be created successfully.

**Shortcut Key: Ctrl + N**

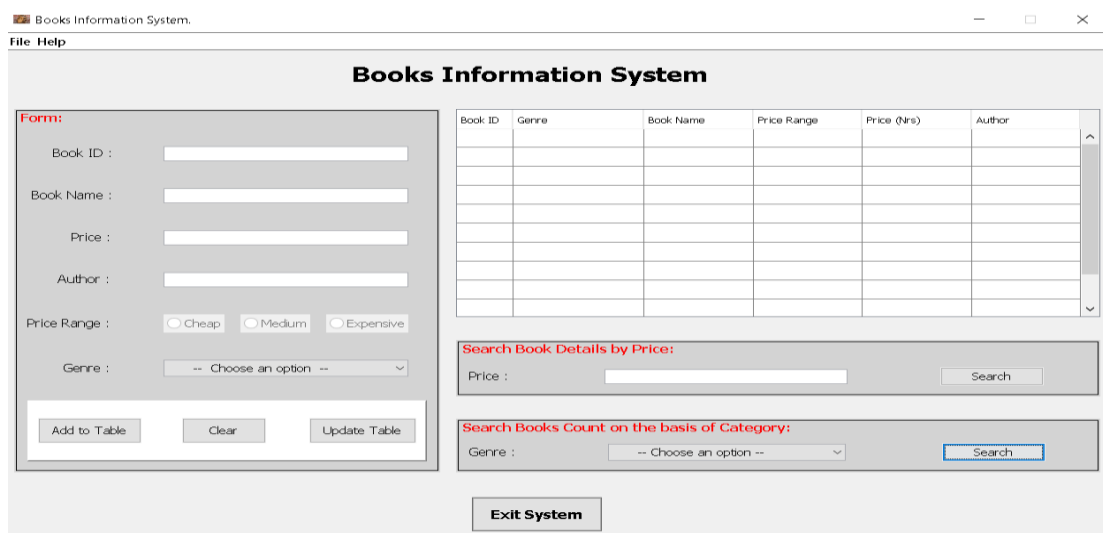


Figure 14: After clicking new menu item.

### 1.2.2. Save a file.

- On the top of the interface, there is a menu bar.
- Click on the 'File' menu option.

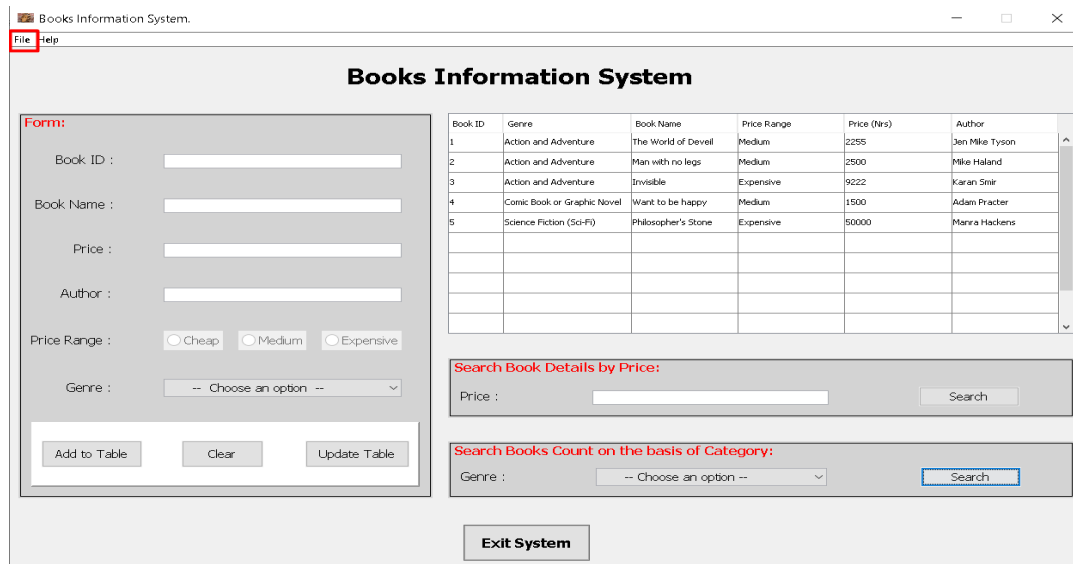


Figure 15: Clicking on the file menu.

- A new combo box will appear.
- Click on the 'Export' menu item.

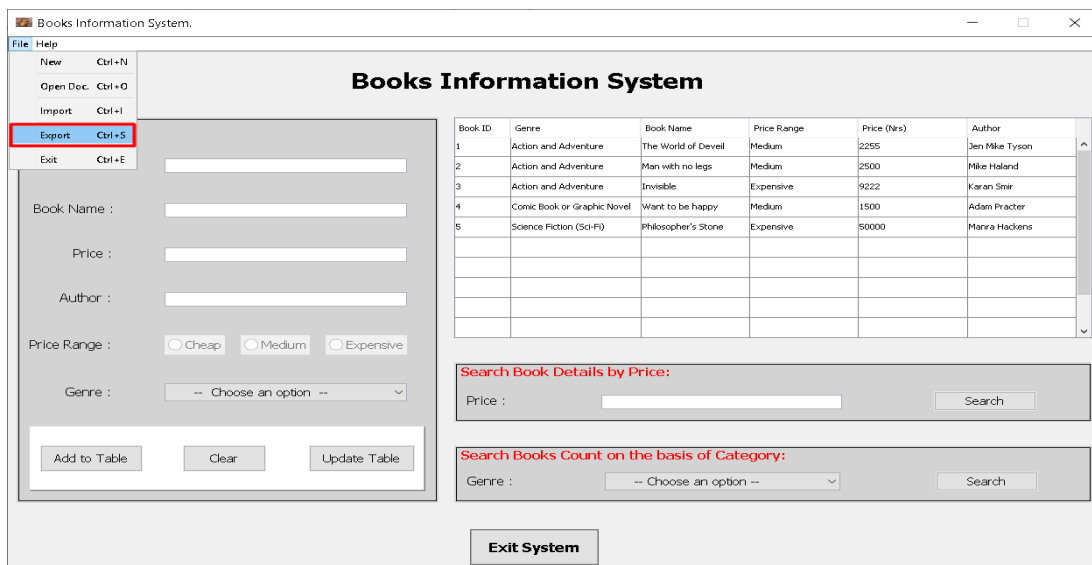


Figure 16: Clicking on the export menu item.

- A new dialog box will appear
- Enter the desired destination path and file name.

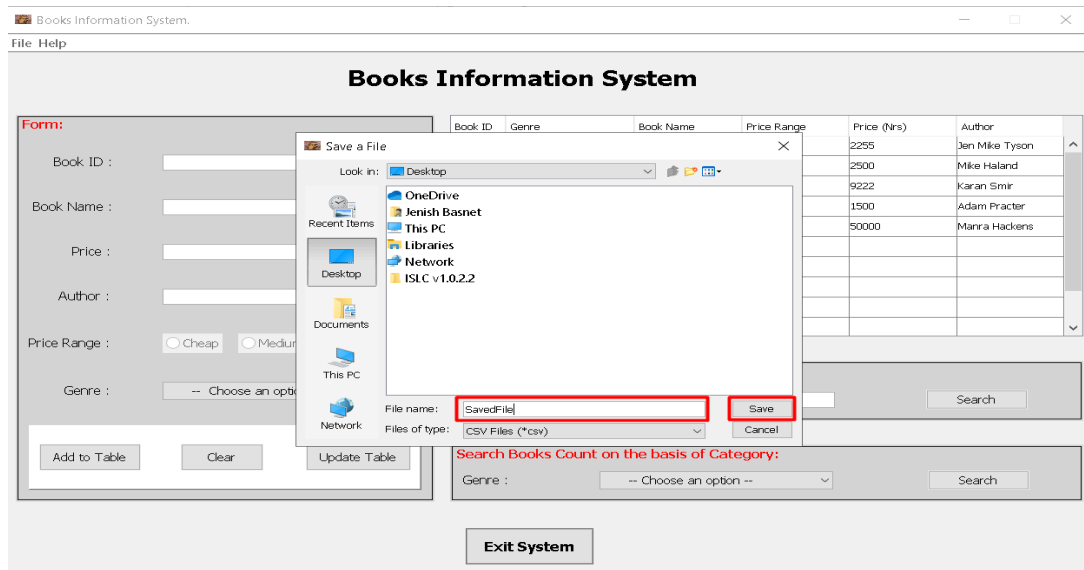


Figure 17: Entering file name.

- Click on the 'Save' button.
- The file will be successfully exported in the given path.

**Shortcut Key: Ctrl+S**

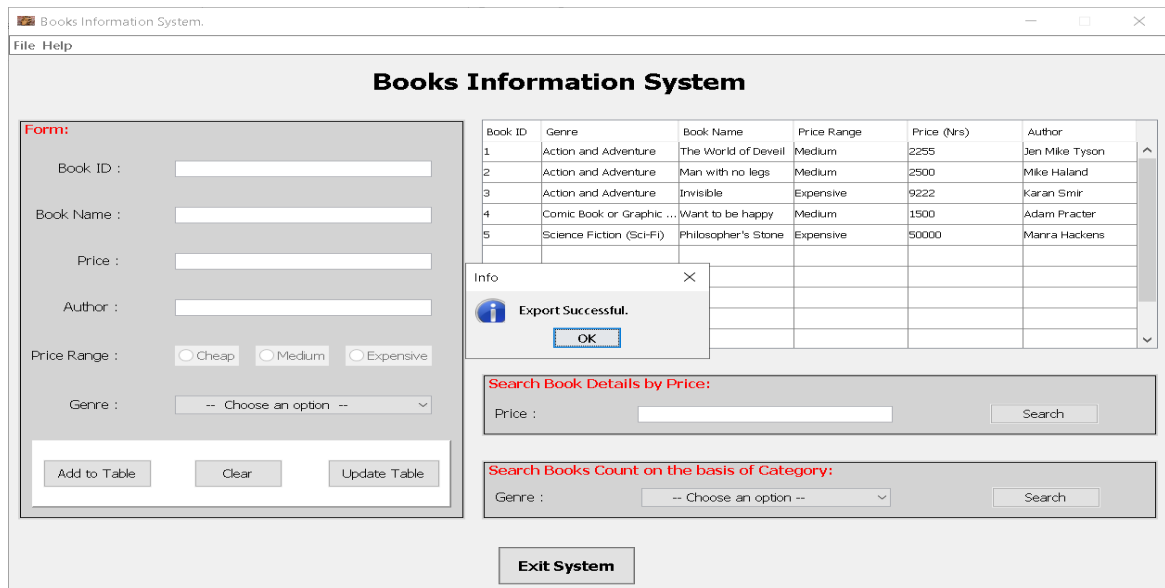


Figure 18: After clicking the save button.

### 1.2.3. Import a saved file.

- On the top of the interface, there is a menu bar.
- Click on the 'File' menu option.

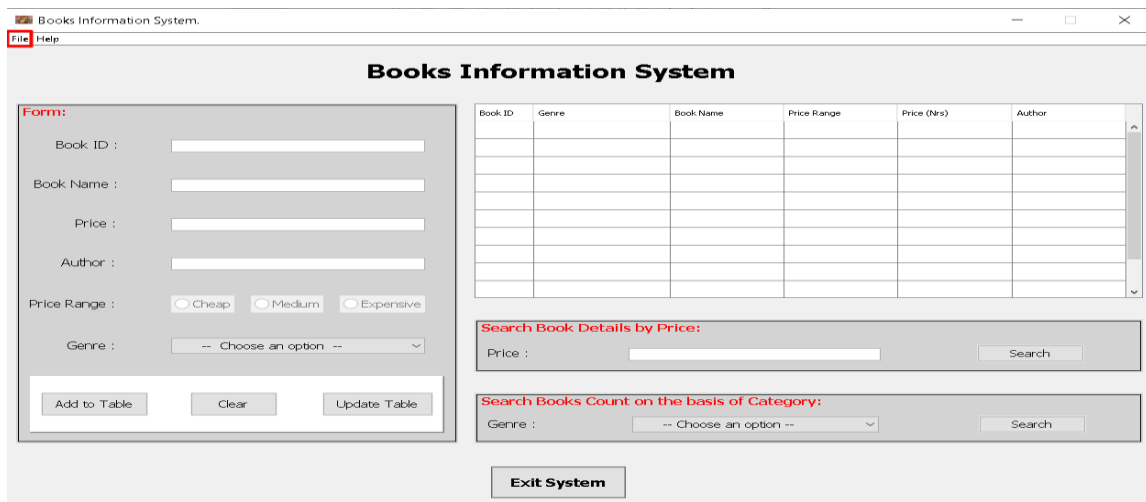


Figure 19: Clicking on the file menu.

- A new combo box will appear.
- Click on the 'Import' menu item.

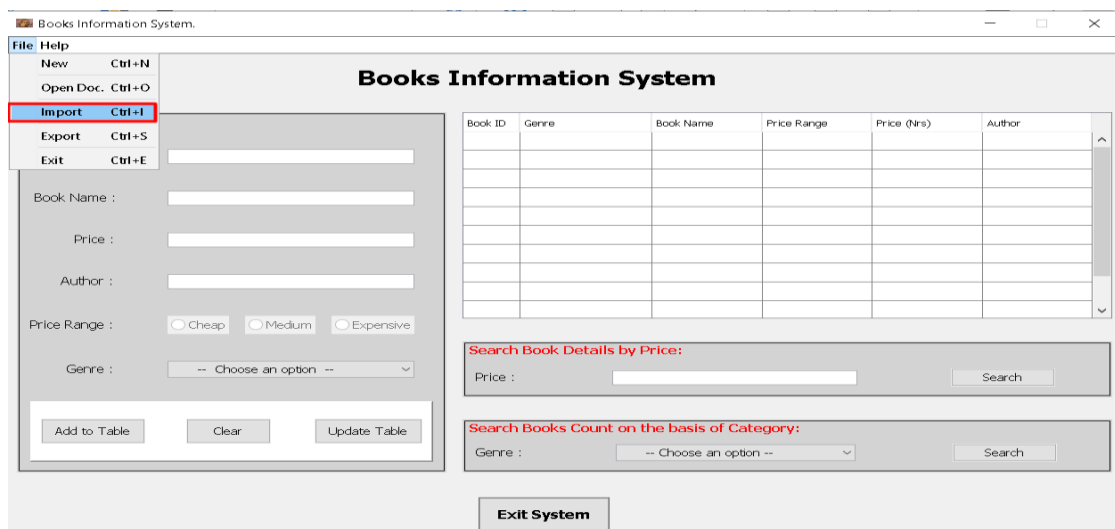


Figure 20: Clicking on the import menu item.

- A new dialog box will appear.
- Select the saved file from its destination which needs to be imported on the system.

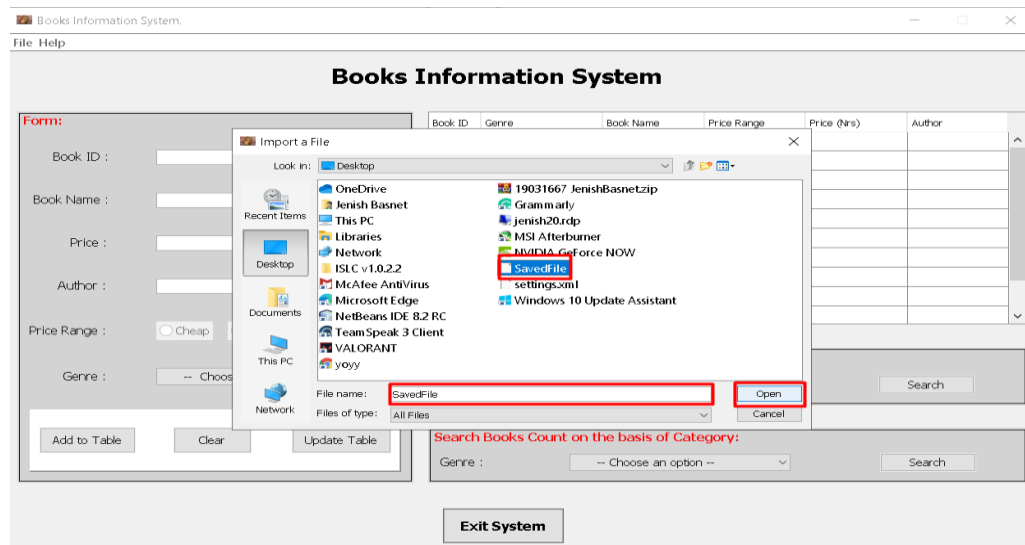


Figure 21: Selecting the file to be imported.

- Click on the 'Okay' button.
- The file will be successfully imported into the system.

**Shortcut Key: Ctrl+I**

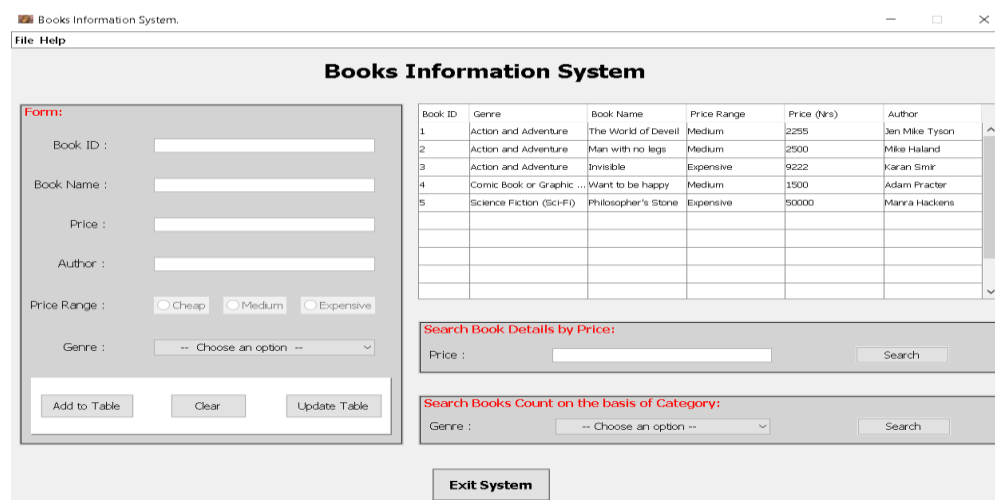


Figure 22: After clicking the open file.