

## QuickStart Guide

The web-app URL is: [127.0.0.1:8000/](http://127.0.0.1:8000/) and is denoted as [<URL>](#) in this document.

The server needs to be running for the web-app to process the HTML requests and can be started as follows:

1. On the command prompt, [cd](#) to the directory [<PROJECT\\_DIR>/code/django/](#)
2. Run the command: [python3 manage.py runserver](#)

### Search books:

Located at [<URL>/app/](#)

- Enter keywords in the provided search box. Each added keyword in the search string narrows down the search for the user.
- Search results occur in decreasing order of relevancy as determined by the number of matched keywords. The search-text keywords are highlighted in yellow.
- Radio buttons are provided to choose a book for checkout. Click on 'Checkout' button below the table to check the book out.
- If a book is unavailable for checkout, the option to choose the book is disabled within the table for selection.

### Register new user:

Located at [<URL>/app/newuser/](#)

- Enter user-details as required.
- Data information and format are validated. If there is a problem with the format or the domain of the entered values, corrections are suggested.
- User with an existing SSN cannot be added again.
- Error messages are displayed when data is invalid. Success message is displayed when the user is successfully added.

### Checkout:

Located at [<URL>/app/checkout/](#)

- Select a book using ISBN. The details of the book show up if the ISBN is valid, otherwise an error message is displayed.
- Select a user using UserID. The details of the user show up if the ID is valid, otherwise an error message is displayed.
- Click on 'Checkout' button to check-out the book to the user.
- An error or confirmation message is displayed depending on the situation.

## QuickStart Guide

### Checkin:

Located at [<URL>/app/checkin/](http://<URL>/app/checkin/)

- All the books currently checked out are displayed by default.
- Use the search box to choose a particular entry. You can choose from the list based on any of user's name, user's ID or the book's ISBN.
- Select a result using the provided radio button and click on the 'Checkin' button.
- Book will be checked in with the current system date as the return date.

### Fines:

Located at [<URL>/app/fines/](http://<URL>/app/fines/)

- Enter a date in yyyy-mm-dd format. A date-picker pops up for convenience, when using the Google Chrome browser.
- This should necessarily be a future date, as this emulates a real-life daily script scenario. The chosen date simulates what happens when that date occurs for the backend script.
- The fines will be displayed on a per-user basis. The 'Pay-Fines' button can be used to see the details of the fine so far.
- Choose a user to pay fines for, and click on 'Pay Fines'. A list of fines for different loans is displayed for that user. If the book is not returned yet, an option to return it is provided.
- Choose a particular record and click on 'Fines paid'. Don't forget to collect the money before doing that!