

QUICK START USER GUIDE

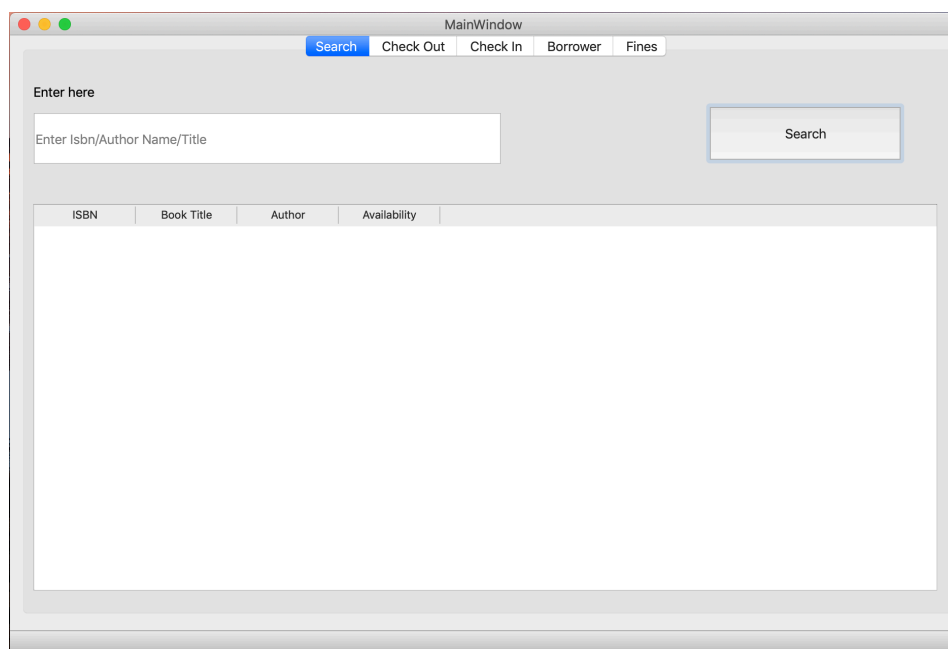
1. Extract .zip file to desired location .
2. Start MySQL server and from command terminal load database into server by typing the following command : `source <file path>/library.sql`
3. Install mysql and PyQt5 packages into your IDE or python environment .
4. If you are using PyCharm IDE then simply import index.py file into your project and run the file to open application . Or you can open application from terminal by typing the following command : `python index.py` . Dependencies can be downloaded from PyCharm IDE or from terminal by typing the following commands:

```
pip install mysql
```

```
pip install PyQt5
```

- 5 . The functionalities of each tab are explained below :

SEARCH TAB:



1. Enter any of ISBN/Author Name/Title in the entry box and click on search to display results along with availability.

CHECK OUT TAB:

The screenshot shows a window titled 'MainWindow' with a tabbed interface. The 'Check Out' tab is selected, highlighted in blue. Other tabs include 'Search', 'Check In', 'Borrower', and 'Fines'. The 'Check Out' tab contains two input fields on the left: 'Card No*:' with a text box and 'ISBN*:' with a text box. On the right side of the tab is a 'Check Out' button.

1. Enter both card number and ISBN of book and click check out .
2. If book is not available it will show a error dialogue . A borrower can borrow a maximum of 3 books at a time. If he tries to check out 4th book ,system will show a error dialogue

CHECK IN TAB:

The screenshot shows a window titled 'MainWindow' with a tabbed interface. The 'Check In' tab is selected, highlighted in blue. Other tabs include 'Search', 'Check Out', 'Borrower', and 'Fines'. Below the tabs, there are three input fields: 'ISBN:', 'Card Number:', and 'Name:'. A 'Check for Loans' button is positioned below these fields. At the bottom of the window is a 'Check In' button. A table with six columns is visible, but it is currently empty.

| LOAN ID | ISBN | CARD ID | DATE OUT | DUE DATE | DATE IN |
|---------|------|---------|----------|----------|---------|
|---------|------|---------|----------|----------|---------|

1. Enter at least one of ISBN / Card Number / Name and click on check button to get details of loans for that borrower .
2. Select the book that needs to be checked in and click on check in to check in the borrowed book.

ADD BORROWERS:

The screenshot shows a software window titled 'MainWindow' with a tabbed interface. The 'Borrower' tab is selected, showing a form for adding a new borrower. The form includes the following fields and controls:

- Name:** A text input field containing the placeholder text 'FirstName + Last Name'.
- Email:** A text input field containing the placeholder text 'example@mail.com'.
- SSN:** A text input field containing the placeholder text '999-99-9999'.
- Phone:** A text input field containing the placeholder text '(999)99-9999'.
- Address:** A large, empty text area for entering the borrower's address.
- Buttons:** At the bottom of the form, there are two buttons: 'Add Borrower' on the left and 'Reset Details' on the right.

At the top of the window, there are five tabs: 'Search', 'Check Out', 'Check In', 'Borrower' (which is active and highlighted in blue), and 'Fines'.

1. Enter all the details and click on Add Borrower to successfully add a new borrower .Each borrower should have a unique SSN otherwise the application will show a error dialogue .
2. A unique card number will be assigned to each new borrower.
3. SSN , email, Phone should be entered in the specified format.
4. All the input fields can be reset by clicking Reset Details Button.

FINES:

MainWindow

Search Check Out Check In Borrower **Fines**

Card No:

Check Fines

| Loan_ID | ISBN | Fine | Paid | Returned |
|---------|------|------|------|----------|
|---------|------|------|------|----------|

Pay Fines Fine Amount Refresh

1. Enter the card number and click on check fines to get the details of fines of borrower . If borrower has no fines then no records will be displayed in table.
2. Click on one row to pay fines for that book . If borrower has not checked in book then he cannot pay fine for that book.
3. Click on Fine Amount to get total fine of borrower.
4. Click on refresh button to refresh fines table(updates fines paid by borrower).