**-BOOK SHOP-**

1. ABOUT

This application represents a mini book shop, a software that is used to maintain the record of the books in a shop. This system helps to maintain a database that is useful to enter new books and details about each book.

1. FEATURES

There are two main users, LIBRARIAN and GUEST.  
Guest can only see the records in the database, while the Librarian can also add new records. Guest can buy books that are in stock (the available quantity of the book is decremented) and Librarian can increment the stock of the books.  
When a book is out of stock (available quantity=0), it is deleted from the database and also the records from the additional tables book\_author and book\_genre which resolved the many-to-many relationship between books and authors, respectively between books and genres, are deleted.

It is supposed that librarian adds only valid books, i.e. publication year, price, publisher etc are correct.

1. FURTHER IMPLEMENTATION

When a book is deleted, it could also be deleted the author/s which written that book and the genre/s of it, but firstly it must be searched in the book\_author table if that author/s have written also other books that are in the database and if so, the author/s is/are not deleted; analog with the genre/s.

Also, I could have structured the .fxml files differently and work with Inheritance concepts.

Also, the authors and genres could be printed along each book.