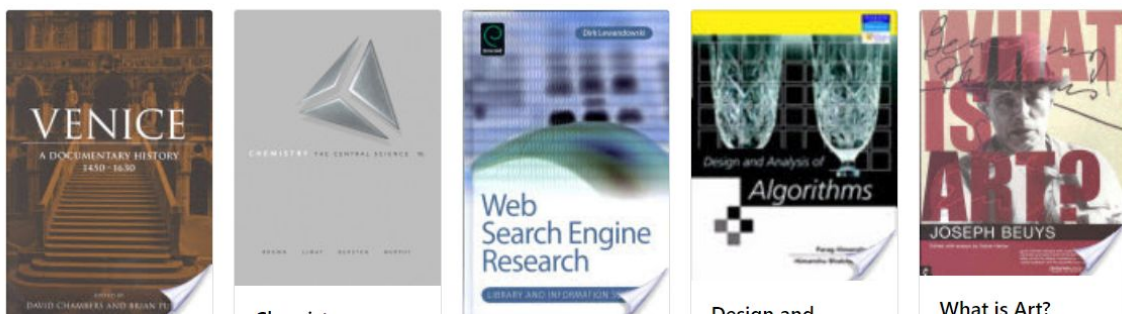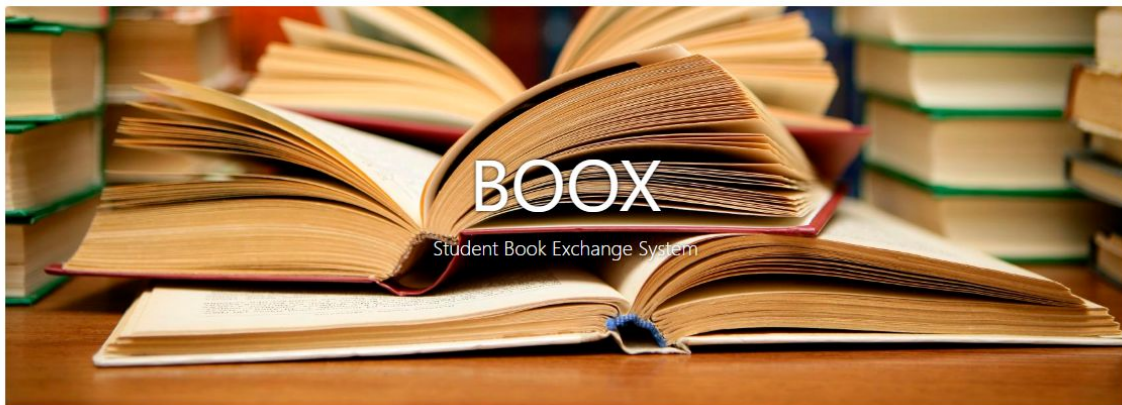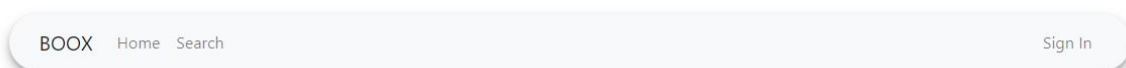# COMP3421 Term Project

Report

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Simple User Guide (BOOX)

Index Page

1. *User Info Management*

    a. Index Page
- A list of some of recently 10 books will be shown
- Most functions are supported only after user logged in
- Click Login to go to the login page

- Click Create an Account to register your account and view more details

    b. Registration
- Input the personal information to register
- Click **Submit** to sign up your account

c. Sign In

Login

Please log in to your account.

Username

Password

Sign In

Create An Account

- ○ Input your username and password
- ○ Click the **Sign In** button to sign in
- ○ If you input the correct username and password, you will be redirected to the book home page

d. Modify Account
- ○ Click the **Account -> Profile** to modify the account profile.

BOOX   Home   Search   Transaction ▼   Account ▼   Sign Out

Profile
Address
Favorite
My Book
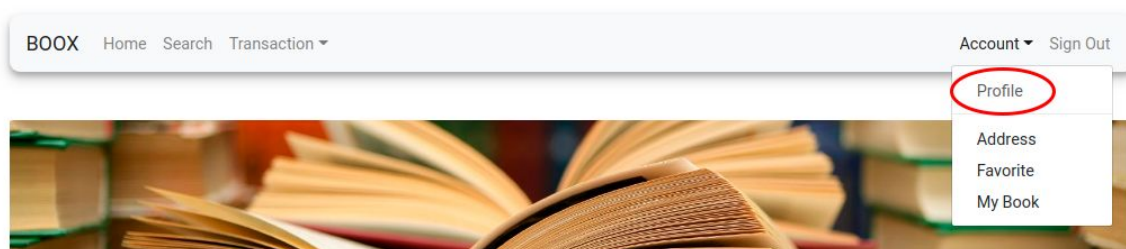
User Setting

Username	123	
First Name	123	Public
Last Name	123	
Gender	Male	Public
Birth		Public
Phone	123	
Email	123@123.com	

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○ Click **Modify** to active modify

Modify Profile

First Name	123		Public ⬍
Last Name	123		
Gender	Male ⬍		Public ⬍
Birth	mm/dd/yyyy		Public ⬍
Phone	123		
Email	123@123.com		

Display Address
- ⦿ None
- ◯ 9, Hoi Ting Road, , Kowloon, Hong Kong (zip-code:)
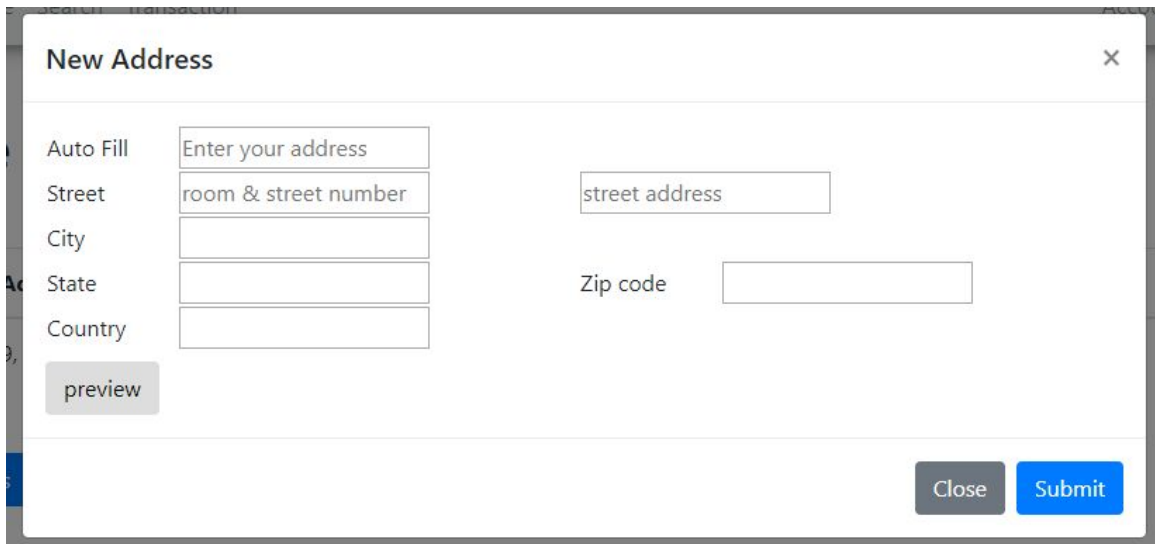
[Cancel] [Modify]

○ Privacy of the user information can be changed.
○ Click the **Account -> Address** to modify your adreesses

Manage Address

Num	Address	Action
1	9, Hoi Ting Road, , Kowloon, Hong Kong (zip-code:)	×

[Add a new address]

○ Click **Add a new address**

○ Input your address. The Google Map API will help you fill the

detail of your address.
○ Click **Submit** to add the address

○ Click the [×] to delete your address
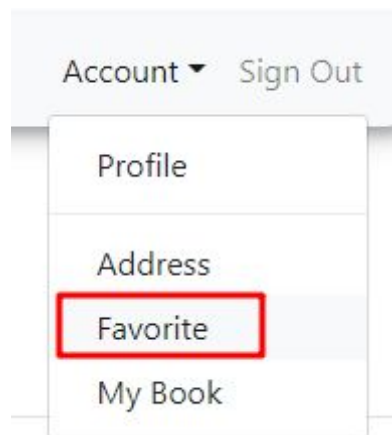
○ Click the **Account -> Favorite** to view the books you favorite

Favorites

#	Book Title	ISBN	Date	Action
1	Hot Groups	9780195352047	2018-05-12	[×]

○ Click the title of the book to view the detail of it
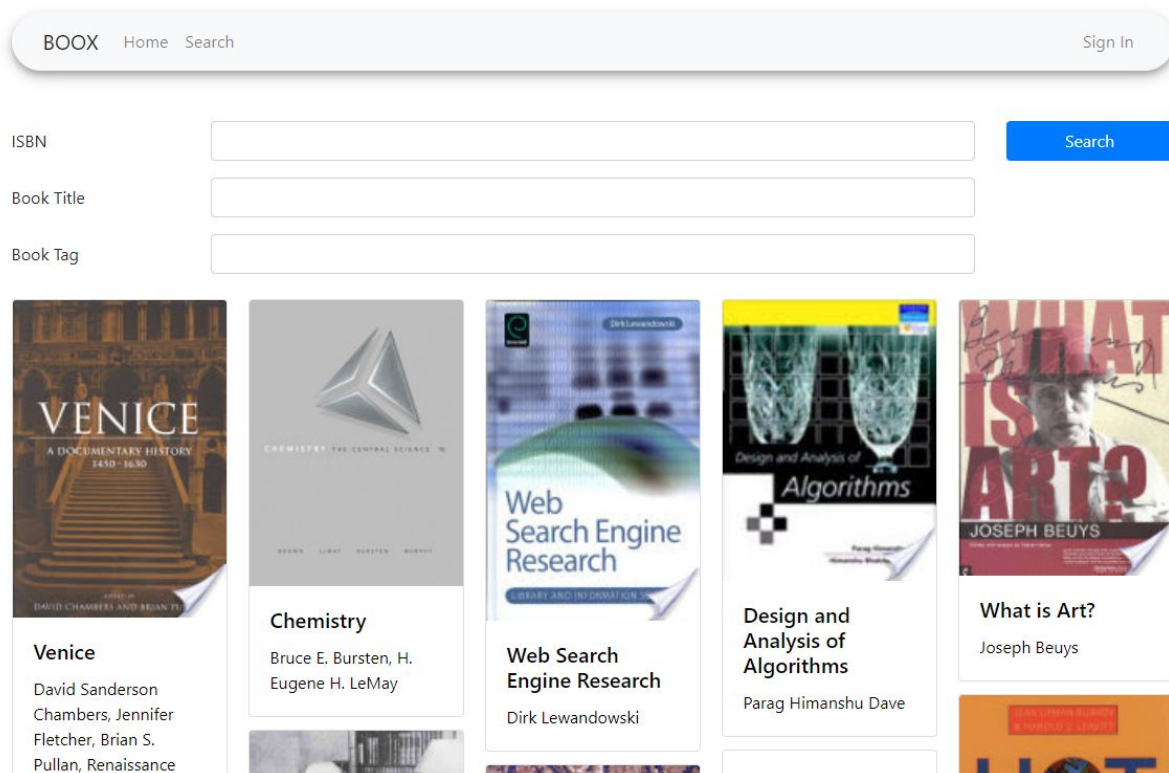
○ Click the to delete your favorite book record

2. Book Management (Login User only)
   a. Search Book
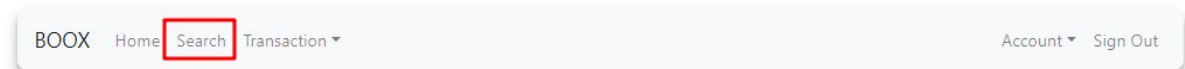
○ Click **Search** to enter the search page.
○ Three filters "ISBN", "book title" and "book tags" are provided to help find the book preferred.
○ Click the book to view the details.

   b. Book Details
      ○ **Click the cover of book to see book detail**
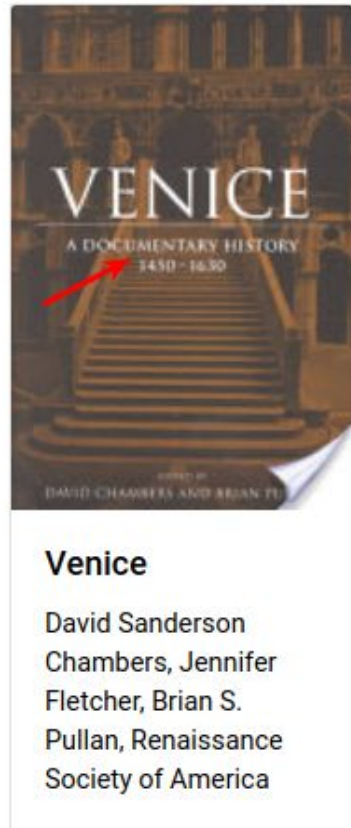
- ○ In book details page, more information of the books would be shown.

Seller	Book Condition	Price	Payment Available	Remark	Action
Seller Info	Fine	100.30	Support: Cash, MasterCard	Only YYT can buy	Buy It Now

- ○ User can **add / delete the tags posted by himself**.

- ○ User can **favorite / unfavorite the books** by clicking relevant buttons (favorite books page is accessible by **Account -> Favorite**).

Venice ♡

- ○ User can **view the seller's infromation (not private)**

Seller	Book Condition	Price	Payment Available	Remark	Action
Seller Info	Fine	100.30	Support: Cash, MasterCard	Only YYT can buy	Buy It Now

User Profile

Username	Dog
Name	***
Gender	Male
Birth	1988-03-04
Phone	15246824
Email	dog@admin.com
Display Address	***

- ○ User can **view the goods available to be sold** and **send a request** to the seller by clicking the link of each entry.

Seller	Book Condition	Price	Payment Available	Remark	Action
Seller Info	Fine	100.30	Support: Cash, MasterCard	Only YYT can buy	Buy It Now

c. Book Management

My Book

All   Available   Sold

#	Book Title	Price	Date	Status	Actions
1	Hot Groups	60	2018-05-12	Available	📄 ✏️ 🗑️

Add New Book

- ○ In **Account -> My Book** page, user can have a view of his books exchange record for both sold and selling ones.

- User can **view / modify an exist book** by clicking the buttons of the record.

- User can **delete books** by clicking the book title.

- Click **add a new book** to create new book

BOOX	Home Search Transaction ▾		Account ▾ Sign Out

Add Book

ISBN		
Book Title		Check
Book Condition		
Printing Date	mm/dd/yyyy	
Price (HKD)		
Payment Method	☐ Cash ☐ MasterCard	
Remark		

Cancel   Add

- Input the ISBN (**Such as: 9781416909774**) of your book then click the **Check**, the Google Book API will help you fill the tile of your book
- Input ohter details of your books
- Click the **Add** button to add the new book

3. *Transaction (Login User only)*
   a. Transaction Process:
      - Buyer may **send a request** to a seller when viewing a book in Detail Page.

Seller	Book Condition	Price	Payment Available	Remark	Action
Seller Info	Fine	100.30	Support: Cash, MasterCard	Only YYT can buy	Buy It Now

○ After the request sent, the record would be kept in **Transaction -> Incoming Page** for buyer, and **Transaction -> Outcoming Page** for seller. The status of the record will keep updating during the transaction.

BOOX   Home   Search   Transaction ▾   Account ▾   Sign Out

Incoming
Outgoing

Incoming Transactions

Active   Inactive   All

Transaction ID	Book Name	Seller	Status
5af6fedabdbc9d26a2b5a459	What is Art?	Ng Yexi	Created

○ Click **anywhere** of the transaction to see the detail of it

Outgoing Transactions

Active   Inactive   All

unread status

Transaction ID	Book Name	Buyer	Status
5af6fedabdbc9d26a2b5a459	What is Art?	Cat Mother	Created NEW

click

○ By clicking the button in the detail page of the record, the seller may confirm and update the transaction status after he **accept the request (Accept) and send the book to user**.

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Transaction Detail

Buyer

	Name	Cat Mother
	Phone	23412333
	Email	cat@admin.com
	Address	B640A, Princes Highway, Jaspers Brush, NSW, 澳大利亚 (Zip code: 2535)

Book

	Title	What is Art?
	Condition	Fine
	Price	44
	Payment Method	Support: Cash, MasterCard

`Accept` `Reject`

Transaction Detail

Buyer

	Name	Cat Mother
	Phone	23412333
	Email	cat@admin.com
	Address	ô 22 lô 6, Hoàng Mai, , Hà Nội, 越南 (Zip code:)

Book

	Title	What is Art?
	Condition	Fine
	Price	44
	Payment Method	Support: Cash, MasterCard

`Declare Delivery` `Withdraw`

- ○ Similarly, the buyer should confirm and update the status after he **receives the book**. Then the transaction is finished and **be removed from Incoming / Outcoming page**.

Transaction Detail

Buyer	**Address**	B640A, Princes Highway, Jaspers Brush, NSW, 澳大利亚 (Zip code: 2535)
Seller	**Name**	Ng Yexi
	Phone	23412342
	Email	admin@admin.com
Book	**Title**	What is Art?
	Condition	Fine
	Price	44
	Payment Method	Support: Cash, MasterCard

Declare Book ReceivingWithdraw

- ○ Either seller or buyer could **cancel the transaction(withdraw)** in the detail page of the record at any time.
- ○ To see past transaction, cllick "inactive"

Outgoing Transactions

Active   **Inactive**   All

Transaction ID	Book Name	Buyer	Status
5af6eeb1bdbc9d26a2b5a448	Web Search Engine Research	Mingrui CHENG	Cancelled NEW

4. *API application*
   a. Google Book API:
      - ○ Google Book API is used to fetch the information of the book by providing the ISBN.
      - ○ It saves users' time and ensure the quality and accuracy of the book detail information.
   b. Google Map API:
      - ○ When user add / modify his address in the profile page, Google Map API is used to autofill the location and provide a standard format.

BOOX Installation Guide

1. Description
   BOOX is a lightweight second hand book exchange system framwork.
   Our github url (Public after DDL):
   https://github.com/CrabAss/COMP3421-Proj

3. Prerequisites
   a. Server
      i. Nodejs setup (**Remember the path of index page**)
      ii. MongoDB setup
   b. Packages Dependencies (Nodejs) - install with 'npm'
      i. bcrypt
      ii. body-parser
      iii. connect-mongo
      iv. cookie-parser
      v. debug
      vi. express
      vii. express-session
      viii. http-errors
      ix. mongoose
      x. morgan
      xi. pug
      xii. pug-cli

4. Installing
   a. Move the "souce_code.zip" to 'www' folder (root folder of nodejs)
   b. Unzip it to **current folder path '...../www/'**
   c. Create MongoDB database using following scheme
      Web (Database)
      i. book (Collection)
      ii. favorite (Collection)
      iii. tags (Collection)
      iv. transaction (Collection)
      v. userAccount (Collection)
      vi. userAddress (Collection)
   d. Start Nodejs and MongoDB Server
   e. Finish

5. Run and test
   Go to your web server address to test the function.

6. Build With
    a. Nodejs - Backend server language
    b. Pug, CSS, JS - Frontend language
    c. Express - The web framework used
    d. MongoDB - Backend database