

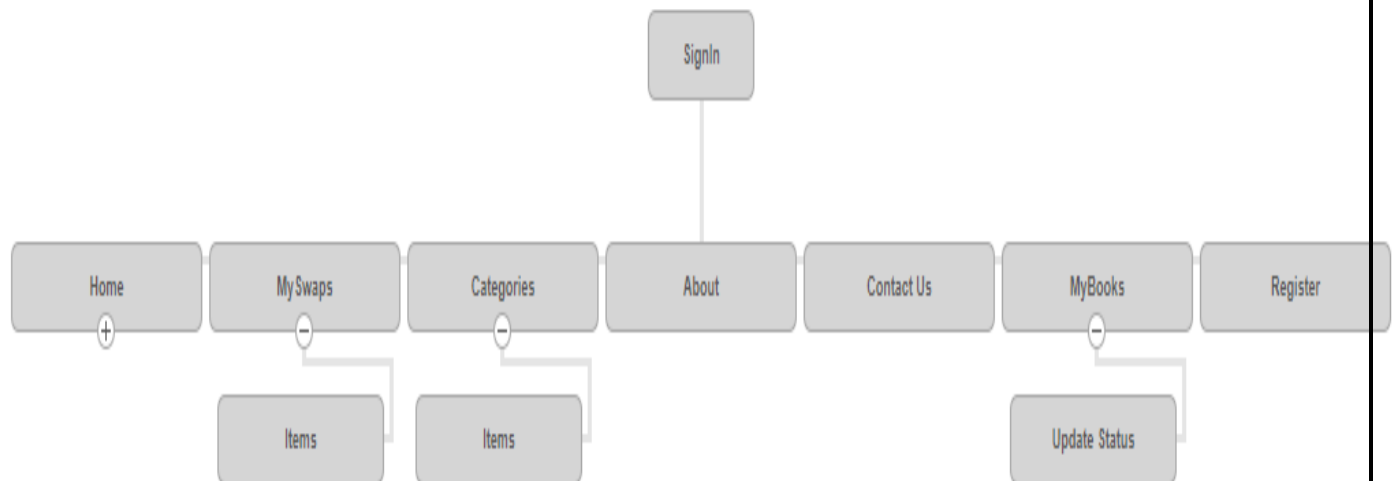
SWAP-B REQUIREMENTS AND DESIGN DOCUMENT

Hi There! Welcome to Swap-B's website, you are on the most visited website by students to swap books among fellow students. Check out vast collections of books available for exchange. Happy Swapping!

Project Overview

Swap-B application is developed for exchanging the books online. Targeted market is Students- who wish to exchange the courseware textbook after completion of course, Voracious readers- who can exchange already read book among other users. Basically, platform can be used to by the academic students and voracious reader who wish to read in hard copies.

Site Map



Page Design

1) SignIn Page

Purpose: Used for Signing into the user account

Audience of Page: Account holders for SignIn

Data Fields: User Email and Password

Data Fields Validations: Email format validation and password validation to validate allowed character

Button and HyperLink on Page:

Register hyperlink for creating the account

Common Page Link present on all pages, and hence not mentioned on every page

- i. Home
- ii. Categories
- iii. About Us
- iv. Sign Out
- v. My Books
- vi. My Swaps

2) Home Page

Purpose: Description of business.

Audience of Page: General and Registered User.

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page: Nil

3) Categories Page

Purpose: Display category wise books available in the database.

Audience of Page: General and Registered User

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page: HyperLink to Book Descriptions

4) Contact Page

Purpose: Display email and contact number of Swap-B

Audience of Page: All Users

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page: Nil

5) Contact Page

Purpose: Display email and contact number of Swap-B

Audience of Page: All Users

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page: Nil

6) Contact Page

Purpose: Display email and contact number of Swap-B

Audience of Page: All Users

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page: Nil

7) My Books Page

Purpose: Display Logged in user's books

Audience of Page: Registered User

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page:

Update Button- To change the status of the book.

Delete Button- To Delete the book linked to logged user account.

8) My Swaps Page

Purpose: Display swap history of registered user.

Audience of Page: Registered Users

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page: Nil

9) My Items Page

Purpose: Display Book related info.

Audience of Page: Registered Users

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page: Offer Button

10) Swap Book Page

Purpose: Confirming the Swap

Audience of Page: Registered User

Data Fields: Nil

Data Fields Validations: Nil

Button and HyperLink on Page: Confirm swap Button

DataBase

User data is stored in non-relational base MongoDB. Below is the list of collections used for business purpose

1) BookSwap- Database Name

a. Categories

i. Attributes

1. Category Code
2. Category Name

b. Items

i. Attributes

1. Item Code
2. Item Name
3. Catalog Category
4. Description
5. Rating
6. Image URL

c. OfferFeedback

i. Attributes

1. Offer ID
2. User ID

d. RegisteredUser

i. Attributes

1. *First Name*
2. *Last Name*
3. *Email*
4. *Password*

e. User Item

i. Attrinutes

1. *User ID*
2. *Item Code*
3. *Item*
4. *Rating*
5. *Status*
6. *Swap Item*
7. *Swap Item Rating*
8. *Swapper Rating*

f. User Profile

i. Attributes

1. *User ID*
2. *User Item*