

# User Interface Design Document

*TextForSale*

**Client**

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TextForSale  
User Interface Design Document

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# **1. Introduction**

## **1.1 Purpose of This Document**

The purpose of this document is to help the user navigate through the TextForSale API. It will highlight the important features of the application.

## **1.2 References**

1. TextForSale System requirements

## **2. User Interface Standards**

Aspects of the TextForSale Web application include a custom logo on the top left of the screen. There will also be a menu bar on the top of every page including a button to return to the user profile, start a new search, view the cart, and logout. The user profile button will redirect the user to their own profile page. The new search will not be a button, it will be a text box allowing the user to start a new search. This action will redirect the user to the search results page. Clicking on the cart button will provide a drop down interface that shows all the items currently in the user's cart. Additionally, the user has the option to exit out of the application whenever necessary by clicking the logout button at any time.

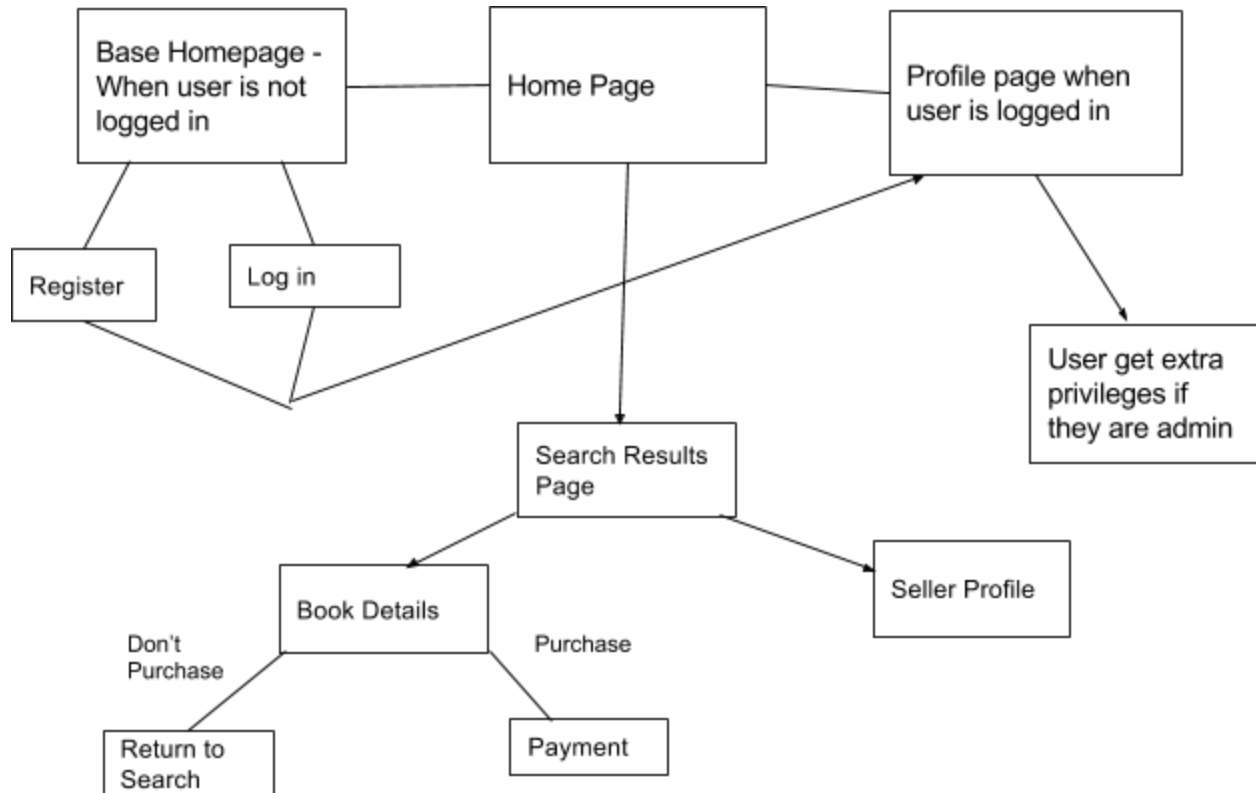
In general, all of the screens will have the same color scheme, have the common components, and only differ slightly based on what the page is for. When the user first logs in, they will be prompted to either login or register. Both of those options will eventually redirect the user to their profile page, where they will be able to see their transaction history, rating, and they will be able to edit their profile information. Second, the user can either search for other users or search for a textbook. Searching for other users will redirect them to that users public profile if they are a member and searching for a textbook will redirect to the search results page. In the search results page, the user can click on a specific textbook to view its details or they can search for something else using the search section in the menu bar at the top. After clicking on the book details, the user can add it to their cart and then continue shopping or visit the checkout page. The checkout page will show the user their cart and prompt them for payment information, depending on which payment option they choose. After putting in correct payment information, the user will be redirected to a order confirmation page. This page will simply display a message confirming that the order has been placed and then it will give the user the option to continue shopping (which will redirect to the user's profile page) or to log out. Logging out will redirect the user to the main home page that asks the user to login or register.

### 3. User Interface Walkthrough

Screenshots of system screens will be included in the final UID.

#### Navigation Diagram

Explains possible user flow through the website



### 4. Data Validation

Include a full description of all data items that can be entered into the system by the user. The description should include the item's basic data type (e.g., integer, string), its limits, and its allowable format(s). Be sure to uniquely identify each data item. For example, if you are using a GUI, a data item can be identified by screen name and data item label. A tabular format works well for the data validation information.

Entry Location	Data Type	Limits
Search string	String	Limited by TextForSale API
Rating Users	Integer	Int 1-5 accepted
Rating Textbook Condition	String	Text review limited to 200 characters
Payment Type	String	Must choose between VISA, MasterCard, American Express, Discover, PayPal
Credit Card Number	String	Must be 16 characters
Credit Card Name	String	Less than 200 Characters
Credit Card Expiration Month	Integer	Must be int 1-12
Credit Card Expiration Year	Integer	Is expiration month is less than current month, year must be at least current year + 1. Otherwise, It can be current year or anything greater
PayPal Email	String	Maximum of 200 characters
PayPal Password	String	Maximum of 200 characters
Security Code	Integer	3 digit integer

## Appendix A – Agreement Between Customer and Contractor

The customer agrees to a textbook exchange system that includes searching, browsing and selling capabilities. See System Requirements Specification for more information. Additional features will be provided in further development intervals.

If there are future changes to this document, a new Customer and Contractor agreement will be drafted and signed by both parties.

### Client

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### Team

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## Appendix B – Team Review Sign-off

This document has been written by all members of the team. Additionally all team members have reviewed this document and agree on the content and format. Any disagreements or concerns are addressed in team comments below.

**Team**

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### **Appendix C – Document Contributions**

John Gordon initially created this document by providing an outline and the cover page. Mehreen Awan wrote the purpose of this document and the user interface standards. Mina Beshai drafted Appendices A-C. Daniel Kelly created the user interface walkthrough and Daniel Schomisch put the data validation table together.