

Online Bookstore Project – CS4400 Spring’03

Updates on the specification

NEW User Login Procedure

When registering to the Online Bookstore, the customer needs to provide a username and a password (or PIN). If the provided username already exists in the database, the system will ask the customer to provide an alternative username. The customer data will be indexed according to their usernames. The password can be anything that customer provides. The customer’s username and password will be required on subsequent access to the Online Bookstore.

The administrator will also be prompted for his username (admin) and password in order to login to the system. We will discuss shortly how the administrator account is created.

In order to accommodate the new customer login procedure, we will need to make the following screen changes. First, the Initial Page screen (Figure 1¹) will no longer have the PIN fields (see Figure A.1). Second, when the “New Customer” option is selected, Figure A.2 will pop up. If the username provided already exists, then an error message should be displayed. If the customer clicks “Don’t Register”, the system will bring up screen from Figure A.1.

The third modification is the replacement of Figure 5 (Customer Information screen) with Figure A.2. In the context of the screen of Figure 5, which is displayed when a “Search-Only” user wants to purchase books, if she clicks on “Don’t Register” button, then error message depicted in Figure 7 will pop up. By clicking “OK” on this error message, the system will bring up screen from Figure A.1. However, if the user clicks “Register”, then the system will show screen from Figure 8. Note that we no longer need the screen from Figure 6 (PIN Assignment screen).

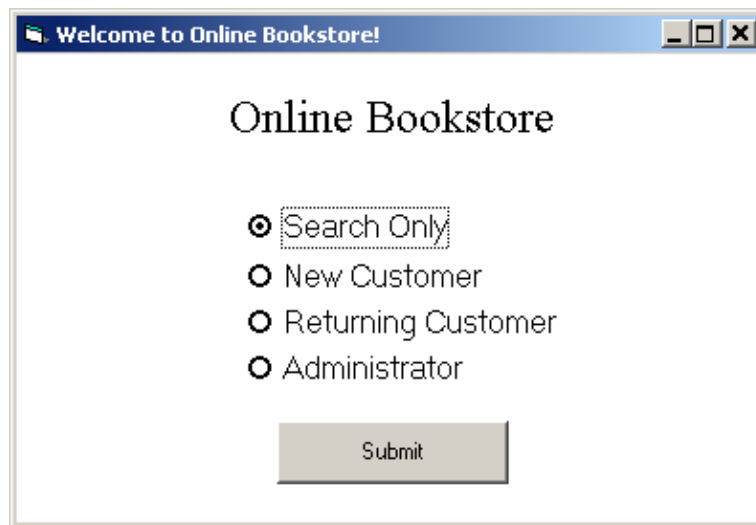


Figure A.1: New Initial screen

¹ NOTE: All figure numbers without the letter ‘A’ listed in this document refer to the numbers of the figures shown in the project description.

Figure A.2: Customer Registration Screen

The fourth modification is the inclusion of the User Login screen (Figure A.3). The system will show this screen when the user selects either the “Returning Customer” or the “Administrator” option. If the user is a customer, upon successful login, the system will pop up screen from Figure A.1. If the user is the administrator, the system will bring the screen from Figure 12.

Figure A.3: User Login

The last modification is with respect to the Update Customer Profile screen (Figure 9) for registered customer. Using this screen, the customer should be able to update her password. Note that we don’t want to allow the customer to update her username as we are going to use this field to index the customer information in the database. The new screen for Update Customer Profile is shown in Figure A.4.

UPDATE CUSTOMER PROFILE - Online Bookstore

Username: <customer-username>

PIN:

First Name:

Last Name:

Address:

City:

State: ZIP:

Credit Card: VISA Credit card number

Expiration Date: MM/YY

Figure A.4: NEW Update Customer Profile screen (Replace screen from Figure 9 with this screen)

Update on the payment screens

Figure 8 should be updated with Figure A.5. Once the customers clicks “BUY IT!”, then the Final Receipt screen, depicted in Figure A.6, should be displayed. The Final Receipt screen will be the proof of purchase for the customer. Figure 10, which displays the message “Transaction completed successfully”, should be replaced by Figure A.6. We should also update the title for the screen from Figure 5 to “Confirm Order” as depicted in Figure A.5. By clicking the “Continue” button in Figure A.6, the system will bring up the Search screen (Figure 2).

CONFIRM ORDER - Online Bookstore

Confirm Order

<Customer Name>
 <Street Address>
 <City> , <State> <ZIP code>

Use Credit Card on file
 VISA - 1234567890
 New Credit Card
 VISA
 Expiration Date:

Title	Author	Publisher	Year	Qty	Unit Price	Total Price

Note: The books will be delivered within 5 business days.

Total: \$XXX.XX
 Shipping/Handling: \$XXX.XX
 Final Total: \$XXX.XX

Figure A.5: Confirm Order screen. (Replace screen from Figure 8 with this screen.)

PROOF OF PURCHASE - Online Bookstore

Proof of Purchase

Please, print this page as a proof of purchase

<Customer Name>
 <Street Address>
 <City> , <State> <ZIP code>

Use Credit Card on file
 VISA - 1234567890
 New Credit Card
 VISA
 Expiration Date:

Title	Author	Publisher	Year	Qty	Unit Price	Total Price

Note: The books will be delivered within 5 business days.

Total: \$XXX.XX
 Shipping/Handling: \$XXX.XX
 Final Total: \$XXX.XX

Figure A.6: Proof of Purchase screen.

The Administrator account

The administrator account will be created by the DBA while creating the bookstore database. The username for the administrator will be “admin”.

Handling deleted book

When deleting a book from the bookstore database, we should just flag that the book was deleted, and not actually removing the book from the catalog. The reason for that is because the book that is being deleted maybe be related to sales done previously. Considering that we want to generate reports about sales occurred in the last months, if we remove this book from the database, we are going to be deleting important data on sales information.