**Jamin Nwanze(C21483482) CA3 – User Manual Guide**

The following sections describe the steps that a user needs to do to perform the functional requirements described in the CA3 of the OOSD2 module.

1. **Creating Admin.**
   1. Enter administrator password which will be used to access features which only the administrator has access to.
2. **Creating**, **modifying** and **deleting, Customer** and **Customer Account** records from a collection.
   1. Steps to create a customer.

* Go to Customer menu, then go Customer Details menu and within it select Create.
* Once selected, enter details customer details which are prompted, and customer record will be created.
  1. Steps to modify a customer
* Go to Customer menu, then go Customer Details menu, then Modify and then select Modify Password.
* Once selected, there will be a prompt to enter unique Customer ID and old password to be updated if list is not empty.
* Once entered there will be a prompt to enter new password which has to be at 8 or more characters.
  1. Steps to delete a customer.
* Go to Customer menu, then go Customer Details menu and then select Delete.
* Once selected, there will be a prompt to enter unique Customer ID of customer to be deleted if list is not empty.
* Customer will only be deleted there are no associated accounts linked.
  1. Steps to create a customer account.
* Go to Customer menu, then go Customer Account menu and then select Create.
* Once selected, there will be a prompt to enter unique Customer ID of customer’s account to be created if list is not empty.
* Customer account will then be created and linked to Customer ID.
  1. Steps to modify a customer account.
* Go to Customer menu, then go Customer Account menu then Modify and then select Modify Account Balance
* Once selected, there will be a prompt to enter unique Customer ID and administrator password, as an administrator only has access to this feature if list is not empty.
* Once completed there will be a prompt to enter unique Customer Account Number linked to Customer ID.
* Once entered there will be a prompt to enter a balance to update the current account balance of the selected Customer Account
  1. Steps to delete a customer account.
* Go to Customer menu, then go Customer Account menu and then select Delete.
* Once selected, there will be a prompt to enter unique Customer ID and linked Customer Account Number if list is not empty.
* Once completed, Customer Account will only be deleted if the account balance is equal to zero.

1. **Navigating** the **Customer** collection - moving to the **first**, **last**, **next**, **previous** records.

* 1. Steps to move to the first customer record.
* Go to Navigation menu and select Display Customer Record menu.
* Once selected, a panel with buttons including a button to the display the first customer record will appear.
* Once clicked, the first customer record be displayed in the text area if the list is not empty.
  1. Steps to move to the last customer record.
* Go to Navigation menu and select Display Customer Record menu.
* Once selected, a panel with buttons including a button to the display the last customer record will appear.
* Once clicked, the last customer record be displayed in the text area if the list is not empty.
  1. Steps to move to the next customer record.
* Go to Navigation menu and select Display Customer Record menu.
* Once selected, a panel with buttons including a button to the display the next customer record will appear.
* Once clicked, the next customer record be displayed in the text area if the list is not empty.
  1. Steps to move to the previous customer record.
* Go to Navigation menu and select Display Customer Record menu.
* Once selected, a panel with buttons including a button to the display the previous customer record will appear.
* Once clicked, the previous customer record be displayed in the text area if the list is not empty.

1. Allowing the account information associated with a particular customer to be viewed.
   1. Steps to view the account information of a particular customer.

* Go to Navigation menu and select Display Specific Customer Account Information menu.
* Once selected, there will be a prompt to enter unique Customer ID and either customer or administrator password unless list is empty.
* Once entered, account information will be displayed in the text area unless customer ID doesn’t have a linked customer account.

1. Creating transactions for a particular account.
   1. Steps to create transactions for a particular account.

* Go to Transactions menu and select Withdrawal or Lodgement menu item.
* Once selected, there will be a prompt to enter unique Customer ID and customer password if list is not empty.
* Once selected, there will be a prompt to enter unique Customer ID and linked Customer Account Number.
* Once entered, there will be a prompt to enter amount you would like either withdraw or lodge depending on which menu item was selected.
* Once entered, there will be a message showing whether transaction successful or not, if successful the new customer balance will be displayed.

1. Displaying a statement for a customer.
   1. Steps to display a statement for a customer.

* Go to E-statement menu and select Display E-statement menu item.
* Once selected, there will be a prompt to enter unique Customer ID and either administrator or customer password if list is not empty.
* Once selected, there will be a prompt to enter unique Customer ID and linked Customer Account Number.
* Once entered, there will be a message showing whether operation was successful or not, if operation was successful then e-statement of specified customer account will be displayed, else customer account doesn’t have any transactions then message will be displayed stating operation was not successful so e-statement cannot be displayed.