



## Balance Summary Request

BalSumReq.dnax  
DNAapp ID: dcf5e7ad-1279-440c-a2d7-f0f7a792a164

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**Overview:**

The Balance Summary Request DNAapp provides a new easily accessible, straightforward screen that will accommodate printing or emailing all or a custom selection of a person or organization's deposit and/or loan account balances. The user can quickly customize a printout on a receipt printer, standard printer or email a version of balances in an easy to read format while allowing financial institutions to maintain professionalism in documents given to customers/members. The financial institution has the ability to personalize the document with their company logo, mask account numbers, provide loan payoff and per diem, as well as customize which account types, statuses and ownership roles to display.

**Disclaimer:**

- This app will not display closed or charged off accounts.

**Key Benefits:**

- Improve service by providing customized balance information via print or email
  - Ability to include all or a specific selection of deposit and/or loan accounts
  - Option to display payoff balances and per diem amount on loan accounts
- Eliminate customer/member confusion by displaying
  - Current and available deposit account balances
  - Current balance and available credit (or borrower available) loan balances
- Save time by eliminating the manual process of researching and handwriting balances
  - Provide accurate balance information in a consistent and efficient manner
- Increase customer/member confidence by providing a professional document with your FI's logo

**Processing:**

This app can be accessed through Quick Inquiries > Balance Summary Request. Once the user has selected the Balance Summary Request DNAapp, the search screen appears. After a person or organization is entered correctly, the Balance Summary Request DNAapp will display the following accounts: Deposit, Certificates, Loan and external Credit Card Accounts.

**App Displays:**

There are four different types of displays that can be presented to the user's screen:

- 1.) Full Access
  - a. If the user has full access to this DNAapp, the user will have the ability to print balances, email balance receipts and print payoff amount on loans. (See Figure 1)
- 2.) Email Access Removed
  - a. If the user has email access removed on this DNAapp, the user will have the ability to print balances, and print payoff amount on loans. (See Figure 2)

## 3.) Payoff Access Removed

- a. If the user has payoff access removed on this DNAapp, the user will have the ability to print balances and email balance receipts to members. (See Figure 3)

## 4.) Email and Payoff Access Removed

- a. If the user has email and payoff access removed on this DNAapp, the user will only have the ability to print balances. (See Figure 4)

**Activity Table:**

Figure 9 and 10 will display the activity log after the user searched for John Doe with this DNAapp.

**Authorization:**

To grant the user access to this application, the following authorization items need to be assigned to the appropriate authorization group.

Name	Code	Type	Description
Balance Summary Request	BLRQ	AuthItem	Balance Summary Req
Balance Summary Request Interface	BLSQ	AuthItem	Balance Summary Req Interface
Balance Summary Request Email	BLRE	AuthItem	Balance Summary Req Email
Balance Summary Request Payoff	BLRP	AuthItem	Balance Summary Req Payoff
Core API Request 7704	CAPR 7704	AuthItem	Core API Request 7704
Core API Request 7711	CAPR 7711	AuthItem	Core API Request 7711
Core API Request 7727	CAPR 7727	AuthItem	Core API Request 7727
Core API Request 7783	CAPR 7783	AuthItem	Core API Request 7783
Core API Request 7789	CAPR 7789	AuthItem	Core API Request 7789
Core API Request 7799	CAPR 7799	AuthItem	Core API Request 7799
Core API Request 7848	CAPR 7848	AuthItem	Core API Request 7848

**Parameters:**

N/A.

**Variables:**Calculation Categories:

A calculation category is required to associate variables to the application. The following category calculation is used for that purpose.

Calculation Cat Code	Description
AF01	DNAapp Configuration

Calculation Types:

A calculation type is required to associate the variables to the application. The following calculation type is used for that purpose.

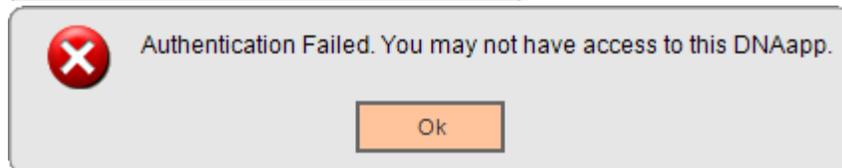
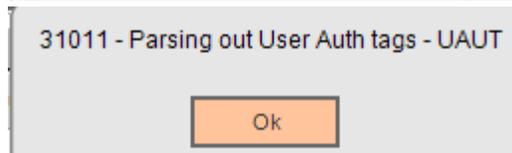
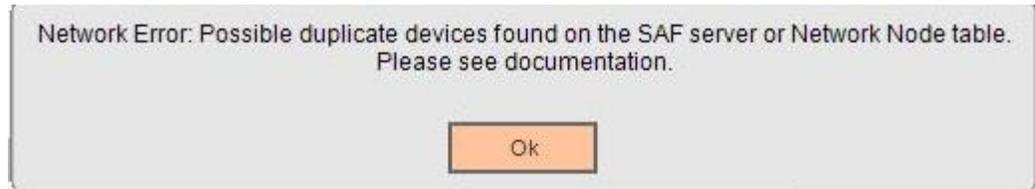
Calculation Type Code	Description
BRCT	Balance Request Calc Type

The following calculation variables need to be set at an Institution Level.

## \*\*\* Please Note:

- Logo:
  - Receipts displaying “Image Not Found”:
    - LGO1, LGO2, LGO3 are not changed from the default value “NULL,” and LGOE, LGOR or LGOS is set to “Y”
- Email:
  - If the following calculation variables are not changed from the default value “NULL” and the authorization code is in use, the email functionality will not work when clicked on by the user.
    - Office 365 – E365 set to Y and EMUN, EMPW, EMFA, EMIP, and EMPT must be filled out
    - Unauthenticated – E365 set to N and EMFA, EMIP, and EMPT must be filled out
  - If the Financial Intuition has multiple branch locations
    - Unauthenticated - you could potentially need to whitelist branches on the organization's email server to send unauthenticated emails
- Printing
  - If the computer does not have a receipt printer installed the receipt printer radio button will be disabled by default
- Network Error Display

- If the following error displays when starting this DNAapp, there could be a problem in SAF Device table. Please check to see if there are duplicate network names or addresses. If there is more than one device registered the Core API call does not know which device to authenticate. There should be no active duplicates devices. Furthermore, it is also possible there could be a problem in the network node table.



Variable	Code	Description (how used)	Data Type	Default
Display Borrower Amt	BAMT	If enabled(Y), the Borrower Available Amount will be displayed instead of Available Balance. However, if the borrower amount is 0, then the available amount will be shown instead	YN	Y
Display Branch Location	DBLO	If enabled(Y), the receipt will display the branch location of where the receipt was printed/emailed	YN	Y
Select All Deflt Selected	SASE	If enabled(Y), when the user enters the DNAapp, all deposit/loan accounts will be selected in the checkbox to display on the receipt	YN	Y
Masking Character	MKCH	The character or symbol will be displayed as the masking character Ex: *****0011	STR	*
Deposit Masking	DPMK	If enabled(Y), the account number will be masked with the character chosen in the MKCH variable. This will hide the full account number	YN	Y

Variable	Code	Description (how used)	Data Type	Default
Display Payoff Amt	DPOA	If enabled(Y), the Payoff Amount will be displayed and available to be selected for the output of the receipt. This is for the organization. If you want only certain groups to have this permission, this needs to be set to Y and you can limit permissions with the authorizations mentioned above	YN	Y
Payof Amt Display MJ Exclusion	POME	List only the major loan accounts type codes that you want to prevent the user from printing/email payoff balances	STR	NONE
Payof Amt Display MI Exclusion	POAE	List only the minor loan accounts type codes that you want to prevent the user from printing/email payoff balances  Please find the entire list in the table: MJMIACCTYP	STR	NONE
Deposit Pri Desc Display	DPDS	Display the primary deposit account description: 1: Account Description 2: Minor/Major 3: Minor Description 4: Alternate Minor Description	STR	4
Deposit Sec Desc Display	DPSD	Display the secondary deposit account description if the primary is blank: 1: Account Description 2: Minor/Major 3: Minor Description 4: Alternate Minor Description	STR	1
Deposit Roles	DPRO	List only the account roles types for deposits	STR	TAX,OWN,SIGN, DBA
Min Deposit Acct Type Code	MIDA	List only the minor deposit acct type codes that you want to exclude from the results  Please find the entire list in the table: MJMIACCTYP	STR	NONE
Mjr Deposit Acct Type Code	MJDA	Display the allowed major account type code for deposit accounts	STR	CK,SAV,TD
Mjr Deposit Acct STATUS Code	MJDS	Display the allowed major account status code for deposit accounts	STR	ACT,DORM,IACT
Deposit Tagline 1	DPT1	Deposit Tagline 1 that will be displayed on the receipt Maximum of 48 characters	STR	Please Note:
Deposit Tagline 2	DPT2	Deposit Tagline 2 that will be displayed on the receipt Maximum of 48 characters	STR	The Amounts shown above are Deposit Amounts

Variable	Code	Description (how used)	Data Type	Default
Display Deposit Tagline	DPTL	If enabled(Y), the above Deposit Taglines will be displayed on the receipt	YN	Y
Enable Office 365 Email	E365	If enabled(Y), the emails will be sent from an Office 365 account	YN	Y
Office 365 Email Username	EMUN	Office 365 Username	STR	NULL
Office 365 Email Password	EMPW	Office 365 Password	STR	NULL
Email from Address	EMFA	When a member is emailed, this will be the "FROM:" address in the email header Ex. From: <a href="mailto:DoNotReply@financial-institution.com">DoNotReply@financial-institution.com</a> . If E365 is enabled, the from address must match the Office 365 username (EMUN)	STR	NULL
Email IP Address	EMIP	Unauthenticated - Financial Institutions email server IP Address to send unauthenticated emails Office 365 – SMTP Address	STR	NULL
Email Port	EMPT	Unauthenticated - Financial Institutions email server Port Number to send unauthenticated emails Office 365 - set to Office 365 Port	STR	NULL
Email Subject Line	EMSL	The subject line for the email that will be sent to the member	STR	DO NOT REPLY: Balance Receipt
Logo Email Placement	LGEP	Financial Institutions Logo Email Placement (Left, Center, Right)	STR	LEFT
Alt Email Enabled	ALTE	If enabled(Y), your institution will be allowed to insert alternative emails on the email screen	YN	Y
Path+File for logo Lrg Paper	LGO1	This needs to point to the Financial Institutions logo for 8x11 receipt paper. This logo is generally bigger than the receipt logo to provide proper balance. Create one if needed.	STR	NULL
Path+File for logo Rcpt Paper	LGO2	This needs to point to the Financial Institutions logo for 3" – 4+" receipt paper Ex: <a href="\\OSIBANK\FORMS\logo.png">\\OSIBANK\FORMS\logo.png</a>	STR	NULL
Path+File for logo Email	LGO3	This needs to point to the Financial Institutions email logo for 8x11. This logo is generally bigger than the receipt logo to provide proper balance. Create one if needed.	STR	NULL
Display Email Logo	LGOE	If enabled(Y), the Financial Institution Logo will be placed on the email receipt.	YN	Y
Display Receipt Logo	LGOR	If enabled(Y), the Financial Institution Logo will be placed on the 3"-6" receipt paper	YN	Y

Variable	Code	Description (how used)	Data Type	Default
Display Standard Logo	LGOS	If enabled(Y), the Financial Institution Logo will be placed on the standard 8x11 receipt paper.	YN	Y
Logo Resizing	LGRS	Y/N Logo Resizing (used to maintain Aspect ratio)	YN	Y
Logo Rcpt Resizing Height	LGRH	If enabled(Y), the Financial Institution can adjust the logo for the height of the receipt -Dependent on LGRS above to be set to Y	STR	0.792in
Logo Rcpt Placement	LGRP	Financial Institutions 3"-6" Receipt Logo Placement (Left, Center, Right)	STR	LEFT
Logo Std Resizing Height	LGHT	If enabled(Y), the Financial Institution can adjust the logo for the height of the standard 8x11 receipt -Dependent on LGRS above to be set to Y	STR	0.85in
Logo Std Placement	LGSP	Financial Institutions standard 8x11 Receipt Logo Placement (Left, Center, Right)	STR	Left
Loan Masking	LNMK	If enabled(Y), the account number will be masked with the character chosen in the MKCH variable. This will hide the full account number.	YN	Y
Loan Roles	LNRO	List only the account roles types for loans	STR	TAX,OWN,DBA
Loan Pri Desc Display	LNDS	Display the primary loan accounts description: 1: Account Description 2: Minor/Major 3: Minor Description 4: Alternate Minor Description	STR	4
Loan Sec Desc Display	LNSD	Display the secondary loan accounts description if the primary is blank: 1: Account Description 2: Minor/Major 3: Minor Description 4: Alternate Minor Description	STR	1
Loan Tagline 1	LNT1	Loan Tagline 1 that will be displayed on the receipt -Maximum of 48 characters	STR	Please Note:
Loan Tagline 2	LNT2	Loan Tagline 2 that will be displayed on the receipt -Maximum of 48 characters	STR	The Above Balances are for Loans

Variable	Code	Description (how used)	Data Type	Default
Loan Tagline 3	LNT3	Loan Tagline 3 that will be displayed on the receipt if DPOA is set to Y and the user has selected the payoff checkbox on the interface of the DNAapp. Ex: If the date selected on the DNAapp is 05/18/2019. The tagline will display *Payoff Balances good thru: 05/18/2019. -Maximum of 38 characters	STR	*Payoff Balances good thru:
Display Loan Tagline	LNTL	If enabled(Y), the above Loan Taglines (1,2,3) will be displayed on the receipt	YN	Y
Min Loan Acct Type Code	MILA	List only the minor loan acct type codes that you want to exclude from the results.  -Please find the entire list in the table MJMIACCTTYP	STR	NONE
Mjr Loan Acct Type Code	MJLA	Display the allowed major account type code for loan accounts	STR	CML,CNS,EXT,M TG
Mjr Loan Acct STATUS Code	MJLS	Display the allowed major account status code for loan accounts	STR	ACT
Add PMI Enabled	CPMI	If enabled(Y), the last recorded PMI amount for Mortgage Loans will be added to the payoff amount. The total payoff amount will contain the loan payoff amount + the PMI amount.	YN	Y
Other Tagline 1	OTT1	Other Tagline 1 that will be displayed on the receipt - Maximum of 48 characters	STR	Thank You
Other Tagline 2	OTT2	Other Tagline 2 that will be displayed on the receipt - Maximum of 48 characters	STR	Have a great day!
Display Other Tagline	OTTL	If enabled(Y), the above Other Taglines (1,2) will be displayed on the receipt	YN	Y
Printer format default	PFDF	Financial Institutions that will use this DNAapp with 3"- 4+" receipt printers will set the default to RECEIPT. However, if a user does not have a receipt printer installed on the computer, the standard printer will be selected.	STR	RECEIPT
Rcpt Printer Name	RPNM	Name of the 3"- 4+" Receipt printer for the organization. This should be the same name across all computers that have 3"- 4+" receipt printers installed. With DNA this is normally called "Receipt Printer."	STR	Receipt Printer
Rcpt Printer Font Size	RPFS	3"- 4+" Receipt printer font size	STR	10pt
Rcpt Printer Left Margin Size	RPMS	3"- 4+" Receipt printer left margin size	STR	.3cm

Variable	Code	Description (how used)	Data Type	Default
Rcpt Printer Top Margin Size	RPTS	3"- 4+" Receipt printer top margin size	STR	0cm
Rcpt Printer Type	RPTY	3" – 4+" Receipt printer width Options: 3" – 3" receipt paper 4" – 4+ "receipt paper. If you have a printer bigger than 4", select this option.	STR	4
Std Printer Left Margin Size	STMS	Standard printer left indent margin for all including the logo	STR	0.9275in
Std Printer Detail Margin Size	STDM	Standard printer body left indent margin. This is everything under the logo. You would adjust this calc var if you wanted your logo further left than the deposit/loan account information.	STR	.10in
Std Printer Top Margin Size	STTS	Standard printer top indent margin for all including the logo	STR	0.677in

**Scheduling and re-run information (for batch applications):**

N/A

**Notices:**

N/A

**Report (s):**

N/A

**File Layout(s):**

N/A

**Real-time Interaction with Other Applications:**

N/A

**Screens:**

See "Screen Appearance" section

**Navigation:**

- Quick Inquiries > Balance Summary Request
- Relationship Profile > Print > Balance Summary Request
- Transactions > Other > Balance Summary Request

Screen Appearance:

Figure 1: All Authorizations Assigned Layout

- Authorizations Assigned
  - Balance Summary Req
  - Balance Summary Req Interface
  - Balance Summary Req Email
  - Balance Summary Req Payoff

Balance Summary Request

Print Preview Email

John Doe Payoff As of Date 05/20/2019  Receipt Printer  Standard Printer

**Deposits**

Deselect All

Selected	Account Number	Account Description	Current Balance	Available Balance
<input checked="" type="checkbox"/>	*****1544	Share Savings	\$20.00	\$15.00
<input checked="" type="checkbox"/>	*****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00

**Loans**

Deselect All

Selected	Account Number	Account Description	Current Balance	Available Balance	PayOff Amount	Display Payoff Amt
<input checked="" type="checkbox"/>	*****1577	Direct New Auto Consumer Loan	\$25,000.00	\$0.00	\$25,226.19	<input type="checkbox"/>
<input checked="" type="checkbox"/>	*****1585	30 Year Conventional Mortgage Loan	\$150,000.00	\$0.00	\$152,038.69	<input type="checkbox"/>

Close

**Figure 2: Email Functionality Disabled Layout**

- Authorizations Assigned
  - Balance Summary Req
  - Balance Summary Req Interface
  - Balance Summary Req Payoff
- Note: The “Email” Button will still be visible but will be greyed out.

**Balance Summary Request**

Print Preview Email

John Doe Payoff As of Date 05/21/2019  Receipt Printer  Standard Printer

**Deposits**

Deselect All

Selected	Account Number	Account Description	Current Balance	Available Balance
<input checked="" type="checkbox"/>	****1544	Share Savings	\$20.00	\$15.00
<input checked="" type="checkbox"/>	****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00

**Loans**

Deselect All

Selected	Account Number	Account Description	Current Balance	Available Balance	PayOff Amount	Display Payoff Amt
<input checked="" type="checkbox"/>	****1577	Direct New Auto Consumer Loan	\$25,000.00	\$0.00	\$25,228.38	<input type="checkbox"/>
<input checked="" type="checkbox"/>	****1585	30 Year Conventional Mortgage Loan	\$150,000.00	\$0.00	\$152,060.30	<input type="checkbox"/>

Close

**Figure 3: Payoff Functionality Disabled Layout**

- Authorizations Assigned
  - Balance Summary Req
  - Balance Summary Req Interface
  - Balance Summary Req Email

**Balance Summary Request**

Print Preview Email

John Doe  Receipt Printer  
 Standard Printer

**Deposits** ^

Deselect All

Selected	Account Number	Account Description	Current Balance	Available Balance
<input checked="" type="checkbox"/>	*****1544	Share Savings	\$20.00	\$15.00
<input checked="" type="checkbox"/>	*****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00

**Loans** ^

Deselect All

Selected	Account Number	Account Description	Current Balance	Available Balance
<input checked="" type="checkbox"/>	*****1577	Direct New Auto Consumer Loan	\$25,000.00	\$0.00
<input checked="" type="checkbox"/>	*****1585	30 Year Conventional Mortgage Loan	\$150,000.00	\$0.00

Close

**Figure 4: Email and Payoff Functionality Disabled Layout**

- Authorizations Assigned
  - Balance Summary Req
  - Balance Summary Req Interface

**Balance Summary Request**

Print Preview Email

John Doe  Receipt Printer  
 Standard Printer

**Deposits** ^

Deselect All

Selected	Account Number	Account Description	Current Balance	Available Balance
<input checked="" type="checkbox"/>	*****1544	Share Savings	\$20.00	\$15.00
<input checked="" type="checkbox"/>	*****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00

**Loans** ^

Deselect All

Selected	Account Number	Account Description	Current Balance	Available Balance
<input checked="" type="checkbox"/>	*****1577	Direct New Auto Consumer Loan	\$25,000.00	\$0.00
<input checked="" type="checkbox"/>	*****1585	30 Year Conventional Mortgage Loan	\$150,000.00	\$0.00

Close

**Figure 5: Example of Printout with no Loan Payoff Amount Displayed**

Loans				
<input type="button" value="Deselect All"/>				
Selected	Account Number	Account Description	Current Balance	Available Balance
<input checked="" type="checkbox"/>	****1577	Direct New Auto Consumer Loan	\$25,000.00	\$0.00
<input checked="" type="checkbox"/>	****1585	30 Year Conventional Mortgage Loan	\$150,000.00	\$0.00

Receipt Printer	Standard Printer																								
<p>IT</p> <p>5/20/2019 9:42 AM</p> <p>John Doe</p> <p><u>Deposits</u></p> <p>Account Number: ****1544                      Account Description: Share Savings                      Current Balance: \$20.00                      Available Balance: \$15.00</p> <p>Account Number: ****1569                      Account Description: 12-23 Month Certificate                      Current Balance: \$1,000.00                      Available Balance: \$1,000.00</p> <p>Please Note:                      The Amounts shown above are Deposit Amounts</p> <p><u>Loans</u></p> <p>Account Number: ****1577                      Account Description: Direct New Auto Consumer                      Current Balance: \$25,000.00                      Available Balance: \$0.00</p> <p>Account Number: ****1585                      Account Description: 30 Year Conventional Mor                      Current Balance: \$150,000.00                      Available Balance: \$0.00</p> <p>Please Note:                      Avail bal Displayed not payoff balances</p> <p>Thank you                      Have a great day!</p>	<p>IT</p> <p>5/20/2019 9:43 AM</p> <p>John Doe</p> <p><u>Deposits</u></p> <table border="1"> <thead> <tr> <th>Account Number</th> <th>Account Description</th> <th>Current Balance</th> <th>Available Balance</th> </tr> </thead> <tbody> <tr> <td>****1544</td> <td>Share Savings</td> <td>\$20.00</td> <td>\$15.00</td> </tr> <tr> <td>****1569</td> <td>12-23 Month Certificate</td> <td>\$1,000.00</td> <td>\$1,000.00</td> </tr> </tbody> </table> <p>Please Note:                      The Amounts shown above are Deposit Amounts</p> <p><u>Loans</u></p> <table border="1"> <thead> <tr> <th>Account Number</th> <th>Account Description</th> <th>Current Balance</th> <th>Available Balance</th> </tr> </thead> <tbody> <tr> <td>****1577</td> <td>Direct New Auto Consumer</td> <td>\$25,000.00</td> <td>\$0.00</td> </tr> <tr> <td>****1585</td> <td>30 Year Conventional Mor</td> <td>\$150,000.00</td> <td>\$0.00</td> </tr> </tbody> </table> <p>Please Note:                      Avail bal Displayed not payoff balances</p> <p>Thank you                      Have a great day!</p>	Account Number	Account Description	Current Balance	Available Balance	****1544	Share Savings	\$20.00	\$15.00	****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00	Account Number	Account Description	Current Balance	Available Balance	****1577	Direct New Auto Consumer	\$25,000.00	\$0.00	****1585	30 Year Conventional Mor	\$150,000.00	\$0.00
Account Number	Account Description	Current Balance	Available Balance																						
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****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00																						
Account Number	Account Description	Current Balance	Available Balance																						
****1577	Direct New Auto Consumer	\$25,000.00	\$0.00																						
****1585	30 Year Conventional Mor	\$150,000.00	\$0.00																						

**Figure 6: Example of Printout with Payoff Amount Displayed for One Loan Account**

- Balance Summary Request Loan Section: User clicked payoff amount for one loan account

Loans						
Deselect All						
Selected	Account Number	Account Description	Current Balance	Available Balance	PayOff Amount	Display Payoff Amt
<input checked="" type="checkbox"/>	*****1577	Direct New Auto Consumer Loan	\$25,000.00	\$0.00	\$25,226.19	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	*****1585	30 Year Conventional Mortgage Loan	\$150,000.00	\$0.00	\$152,038.69	<input type="checkbox"/>

Receipt Printer	Standard Printer																												
<p>IT</p> <p>5/20/2019 9:36 AM</p> <p>John Doe</p> <p><u>Deposits</u></p> <p>Account Number: *****1544                      Account Description: Share Savings                      Current Balance: \$20.00                      Available Balance: \$15.00</p> <p>Account Number: *****1569                      Account Description: 12-23 Month Certificate                      Current Balance: \$1,000.00                      Available Balance: \$1,000.00</p> <p>Please Note:                      The Amounts shown above are Deposit Amounts</p> <p><u>Loans</u></p> <p>Account Number: *****1577                      Account Description: Direct New Auto Consumer                      Payoff Amount: \$25,226.19*                      Per Diem Amount: \$2.19</p> <p>Account Number: *****1585                      Account Description: 30 Year Conventional Mor                      Current Balance: \$150,000.00                      Available Balance: \$0.00</p> <p>Please Note:                      Avail bal Displayed not payoff balances                      *Payoff Balances good thru: 5/20/2019</p> <p>Thank you                      Have a great day!</p>	<p>IT</p> <p>5/20/2019 9:35 AM</p> <p>John Doe</p> <p><u>Deposits</u></p> <table border="1"> <thead> <tr> <th>Account Number</th> <th>Account Description</th> <th>Current Balance</th> <th>Available Balance</th> </tr> </thead> <tbody> <tr> <td>*****1544</td> <td>Share Savings</td> <td>\$20.00</td> <td>\$15.00</td> </tr> <tr> <td>*****1569</td> <td>12-23 Month Certificate</td> <td>\$1,000.00</td> <td>\$1,000.00</td> </tr> </tbody> </table> <p>Please Note:                      The Amounts shown above are Deposit Amounts</p> <p><u>Loans</u></p> <table border="1"> <thead> <tr> <th>Account Number</th> <th>Account Description</th> <th>Current Balance</th> <th>Available Balance</th> </tr> </thead> <tbody> <tr> <td>*****1585</td> <td>30 Year Conventional Mor</td> <td>\$150,000.00</td> <td>\$0.00</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Account Number</th> <th>Account Description</th> <th>Per Diem Amount</th> <th>Payoff Amount</th> </tr> </thead> <tbody> <tr> <td>*****1577</td> <td>Direct New Auto Consumer</td> <td>\$2.19</td> <td>\$25,226.19*</td> </tr> </tbody> </table> <p>Please Note:                      Avail bal Displayed not payoff balances                      *Payoff Balances good thru: 5/20/2019</p> <p>Thank you                      Have a great day!</p>	Account Number	Account Description	Current Balance	Available Balance	*****1544	Share Savings	\$20.00	\$15.00	*****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00	Account Number	Account Description	Current Balance	Available Balance	*****1585	30 Year Conventional Mor	\$150,000.00	\$0.00	Account Number	Account Description	Per Diem Amount	Payoff Amount	*****1577	Direct New Auto Consumer	\$2.19	\$25,226.19*
Account Number	Account Description	Current Balance	Available Balance																										
*****1544	Share Savings	\$20.00	\$15.00																										
*****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00																										
Account Number	Account Description	Current Balance	Available Balance																										
*****1585	30 Year Conventional Mor	\$150,000.00	\$0.00																										
Account Number	Account Description	Per Diem Amount	Payoff Amount																										
*****1577	Direct New Auto Consumer	\$2.19	\$25,226.19*																										

Figure 7: Example of Printout with Payoff Amount Displayed for All Loan Accounts

- Balance Summary Request Loan Section: User clicked payoff amount for all loan accounts

Loans						
<a href="#">Deselect All</a>						
Selected	Account Number	Account Description	Current Balance	Available Balance	PayOff Amount	Display Payoff Amt
<input checked="" type="checkbox"/>	*****1577	Direct New Auto Consumer Loan	\$25,000.00	\$0.00	\$25,228.38	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	*****1585	30 Year Conventional Mortgage Loan	\$150,000.00	\$0.00	\$152,060.30	<input checked="" type="checkbox"/>

Receipt Printer	Standard Printer																								
<p>IT</p> <p>5/21/2019 1:07 PM</p> <p>John Doe</p> <p><u>Deposits</u></p> <p>Account Number: *****1544                      Account Description: Share Savings                      Current Balance: \$20.00                      Available Balance: \$15.00</p> <p>Account Number: *****1569                      Account Description: 12-23 Month Certificate                      Current Balance: \$1,000.00                      Available Balance: \$1,000.00</p> <p>Please Note:                      The Amounts shown above are Deposit Amounts</p> <p><u>Loans</u></p> <p>Account Number: *****1577                      Account Description: Direct New Auto Consumer                      Payoff Amount: \$25,228.38*                      Per Diem Amount: \$2.19</p> <p>Account Number: *****1585                      Account Description: 30 Year Conventional Mor                      Payoff Amount: \$152,060.30*                      Per Diem Amount: \$21.62</p> <p>Please Note:                      Avail bal Displayed not payoff balances                      *Payoff Balances good thru: 5/21/2019</p> <p>Thank you                      Have a great day!</p>	<p>IT</p> <p>5/21/2019 1:06 PM</p> <p>John Doe</p> <p><u>Deposits</u></p> <table border="1"> <thead> <tr> <th>Account Number</th> <th>Account Description</th> <th>Current Balance</th> <th>Available Balance</th> </tr> </thead> <tbody> <tr> <td>****1544</td> <td>Share Savings</td> <td>\$20.00</td> <td>\$15.00</td> </tr> <tr> <td>****1569</td> <td>12-23 Month Certificate</td> <td>\$1,000.00</td> <td>\$1,000.00</td> </tr> </tbody> </table> <p>Please Note:                      The Amounts shown above are Deposit Amounts</p> <p><u>Loans</u></p> <table border="1"> <thead> <tr> <th>Account Number</th> <th>Account Description</th> <th>Per Diem Amount</th> <th>Payoff Amount</th> </tr> </thead> <tbody> <tr> <td>****1577</td> <td>Direct New Auto Consumer</td> <td>\$2.19</td> <td>\$25,228.38*</td> </tr> <tr> <td>****1585</td> <td>30 Year Conventional Mor</td> <td>\$21.62</td> <td>\$152,060.30*</td> </tr> </tbody> </table> <p>Please Note:                      Avail bal Displayed not payoff balances                      *Payoff Balances good thru: 5/21/2019</p> <p>Thank you                      Have a great day!</p>	Account Number	Account Description	Current Balance	Available Balance	****1544	Share Savings	\$20.00	\$15.00	****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00	Account Number	Account Description	Per Diem Amount	Payoff Amount	****1577	Direct New Auto Consumer	\$2.19	\$25,228.38*	****1585	30 Year Conventional Mor	\$21.62	\$152,060.30*
Account Number	Account Description	Current Balance	Available Balance																						
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****1569	12-23 Month Certificate	\$1,000.00	\$1,000.00																						
Account Number	Account Description	Per Diem Amount	Payoff Amount																						
****1577	Direct New Auto Consumer	\$2.19	\$25,228.38*																						
****1585	30 Year Conventional Mor	\$21.62	\$152,060.30*																						

Figure 8: Email Screen

**Figure 9: Activity Log**

Activity					
Activity / Post Date	Activity Time	Responsible Person	Activity Category / Activity Type	Database Activity / Table ID	Activity Number
05-20-2019	9:57:43 AM		Person Inquiry	INQUIRY	103565439
05-20-2019			Relationship Profile	ACCT	103565439

**Figure 10: Activity Log Detail**

Activity Detail				
Actual Changes for Above Selected Activity				
Database Activity	Table	Column	Old Value	New Value
INQUIRY	ACCT	DIALOG		Balance Summary Req...

**Field Listing:**

Field	Description
<b>Menu Bar</b>	
Print	Prints receipt to the computers default printer
Preview	Pop up window will display what will be printed or emailed
Email	Allows users to send an electronic receipt by email.
<b>Balance Summary Request Screen</b>	
Payoff As of Date	Allows the user to select a payoff date for the amount displayed in the loan section
Select All	A clickable button that will select all accounts in each section
Deselect All	A clickable button that will deselect all accounts in each section
Receipt Printer	Radio button for a printer that prints between 3-6 inch receipt paper
Standard Printer	Radio button for a printer that prints standard 8x11 or default paper
Close	A clickable button that closes the DNA App
<b>Balance Summary Request Deposit Results</b>	
Selected	A selectable checkbox. Only selected deposit accounts will appear on the receipt
Account Number	Member's account number
Account Description	The description of the account
Current Balance	Accounts current balance
Available Balance	Accounts available balance
<b>Balance Summary Request Loan Results</b>	
Selected	A selectable checkbox. Only selected loan accounts will appear on the receipt
Account Number	Member's account number
Account Description	The description of the account
Current Balance	Accounts current balance
Available Balance	Accounts available balance
Payoff Amount	Loan payoff balance
Display Payoff Amt	A selectable checkbox. When selected the receipt will show the payoff amount on the receipt along with the Per Diem Amount
<b>Print Preview Screen</b>	
File	Allows the user to select a specific printer, print, or exit the preview
Printer Setup	Allows the user to select a specific printer and printer properties
Print	Prints receipt to default or selected printer
Zoom	Allows the user to zoom in/out the receipt
<b>Email Screen</b>	
Email Addresses on File	The column will display all available email addresses on file for the person or organization.
Selected Email Addresses	The column will display all email addresses that the Balance Summary Request DNAapp will send an email receipt
Select >	Add a specific email to "Selected Email Addresses" column
< Remove	Remove a specific email to "Selected Email Addresses" column
Select All >>	Add all emails to "Selected Email Addresses" column

Field	Description
<< Remove All	Remove all emails to "Selected Email Addresses" column
Alternate Email	Allows the user to input an email address that is not on file.
Add Email	When clicked, the alternate email will be displayed in the "Select Email Addresses" column

### Additional Requirements:

- Fiserv DNA 4.4.1 or higher
- Core API version 2.0.5.3 or higher
- .NET Framework 4.5.2
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### Installation Instructions:

- Authorization needs to be granted to employees who will be using the Balance Summary Request DNAApp.
- **Access for recognized collections of Auths**
  - Security > Authorizations
  - Select the appropriate Auth group
  - Select the Authorization Item Maintenance tab
  - Under the Available section you will assign the following Auth Items:
    - Balance Summary Req
      - Move all available permissions from available to selected
    - Balance Summary Req Interface
      - Move all available permissions from available to selected
    - Core API Request 7704
    - Core API Request 7711
    - Core API Request 7727
    - Core API Request 7783
    - Core API Request 7789
    - Core API Request 7799
  - If you want to allow a certain Auth group to send emails to members, add the following Auth Item:
    - Balance Summary Req Email
      - Move the "View" permission from available to selected
  - If you want to allow a certain Auth group to quote payoffs for loans to members, add the following Auth Item:
    - Balance Summary Req Payoff

- Move the “View” permission from available to selected.
- **DNA Branch File Servers**
  - If your organization uses DNA Branch File Servers, please place the following .dll in each DNA Branch File Server.
    - BalSumReq.Screen.dll
  - If the Balance Summary Request does not work correctly on your DNA Branch File Servers, you could potentially need to place the following .dlls on your DNA Branch File Servers.
    - MigraDoc.DocumentObjectModel.dll
    - MigraDoc.Rendering.dll
    - PdfSharp.Charting.dll
    - PdfSharp.dll

### Configuration Checklist:

Item	Test Environment	Production Environment
Variables		

### Revisions

Date	App Version #	Change
11/2020	2.3.0.0	Change Output of ProductName to Account Description(Nick name)
07//2020	2.2.0.0	Fix duplicating description when printing and printing to default printer
05/2020	2.1.0.0	Fix for account numbers less than four digits
10/2019	2.0.0.0	Office 365 Email Integration
02/2019	1.0.0.0	Application Created