Quick Capture Platform
Storyboards

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Toronto  London Sydney

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**Executive Summary**

The functionality depicted in the following storyboards reflects what is implemented in the high-fidelity demonstration software. It should also be noted that not all intended functionality of the Quick Capture Platform (QCP) is shown in the demonstration but the storyboards show the major work flows. Please refer to the NISTIR 7644 *Quick Capture Platform Use Cases - User Interaction Specifications*, for the entire functionality. Refer to the *Quick Capture Platform User Interface Concepts* (pages 91-99) to see some differences between the demonstration software and the intended actual user interface. Due to the limitation of the software being for demonstration purposes only, in a few cases, we couldn’t implement the desired user interface.

The user interface was designed for small-form-factor, portable devices. Although the user interface was designed for a touch screen, there is no functionality that depends on a touch interface. All text used in the Quick Capture Platform user interface is in a sans serif font (e.g., *Helvetica*).

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1 **Helvetica** is a trademark of Linotype Corp. registered in the U.S. Patent and Trademark Office and may be registered in certain other jurisdictions in the name of Linotype Corp. or its licensee Linotype GmbH.
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Quick Capture Platform

Small Display Devices

Storyboard

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Devices with a Small Display

Two examples are shown to demonstrate the extensibility of the high-fidelity user interaction design.

- Example 1 - the QCP home page shown on the display of a Panasonic\textsuperscript{1} U1 computer with a screen size of approximately 5”(W)x3”(H)
- Example 2 - the QCP home page shown on the display of an Apple iPhone\textsuperscript{2} with a screen size of approximately 3”(W)x2”(H)

\textsuperscript{1, 2} In no case does such identification imply recommendation or endorsement by the National Institute of Standards and Technology, nor does it imply that the products and equipment identified are necessarily the best available for the purpose.
Example 1

Example 2
Tap the connect button to show the start connection button start. Tapping the Signal, VPN, Skypipe, and Submission/Response symbols will show the connection state for these items. After all items show the connected state, the connection button will display the overall connection state.
Tapping the Standby Button will toggle the Homepage between standby and active.
Note that the Data tab indicates that some data has been entered. This refers to the default values.
Data
Prints
Remarks:

City/Province:  
State/Country:

Remarks:

TCN:20090309-1112-HRT001

Remember
Quick Capture Platform Storyboards

Personal Data

TCN:20090309-1112-HRT001

Remarks:

Agency: Division: Cred#:

Date of Contact: 20090311
Tapping the additional data button next to the Alias entry field will cause the additional data popup to be displayed.
DOB: 19780423
POB: Male Female Unknown
Race: Deceased
First: JOHN
Middle: DWIGHT
Last: DOE
Other Alias
Shadow
Mack the Knife
DOB: 19780423
POB: Male
Race: Male
Eyes: Female
Height: Unknown
Weight: Deceased
First: JOHN
Middle: DWIGHT
Last: DOE
Other: TCN: 20090309-1112-HRT001
Alias: Shadow
Other Alias: Mack the Knife
Tapping the calendar button next to the date of birth field will cause the date picker popup to be displayed.
DOB: 19590117
POB: January
Race: BRO_BROWN
Eyes: BLK - BLACK
Height: 0 00
Weight: 000 lbs
First: JOHN
Last: DOE
Middle: DWIGHT
Other: Shadow
Alias: Date of Birth
Hair: 
Personal Data

DOB: 19780423
POB: XX_UNKNOWN
Race: U - UNKNOWN
Eyes: BRO_BROWN
Height: 0
Weight: 00

First: JOHN
Middle: DWIGHT
Last: DOE
Other: Shadow
Hair: BLK - BLACK
Alias: Shadow
Deceased: Shadow
Male: Shadow
Sex: Shadow

TCN:20090309-1112-HRT001

JOHN
DWIGHT
DOE
Shadow
Remarks:

City/Province: SHANGRA LA
State/Country: ATLANTIS

TCN:20090309-1112-HRT001
YOU CAN CHECKOUT BUT YOU CAN NEVER LEAVE

FBI CIRG-HRT

Date of Contact

20090311

March

11

20090311
Once all mandatory fields have been filled, the data tab will indicate that status.
After tapping the Slaps button from the home page and tapping the Prints tab, the system will present the slap print capture animation.
The animation starts with a left slap and shows the scanner picking up only three out of the four prints.
The animation then shows the scanner acquiring the fourth print.
The animation will move on to the Left Thumb print collection. Please note that the empty circle on the Left Slap entry is now green showing that there has been a print collected for that finger. For the left thumb print acquisitions the animation will pause so that the demonstrator can show the annotate function.
Once the left thumb has been annotated the animation will move to a right slap and show a system initiated annotation.
The demonstrator will wait until the animation provides the annotation popup to choose two out of the four possible prints to annotate.
Only two prints were detected for Right Slap.

Please annotate the missing prints.

Right Index   Amputated  Unprintable  Clear
Right Middle  Amputated  Unprintable  Clear
Right Ring    Amputated  Unprintable  Clear
Right Little  Amputated  Unprintable  Clear
Only two prints were detected for Right Slap.

Please annotate the missing prints.

- Right Index: Amputated, Unprintable, Clear
- Right Middle: Amputated, Unprintable, Clear
- Right Ring: Amputated, Unprintable, Clear
- Right Little: Amputated, Unprintable, Clear
Once the Right slap has been annotated, the animation will show the successful capture of the right thumb and then display the print screen.
Once the capture print animation is complete, the status indicator on the print tab will show that all mandatory fields are entered and the transmit button will become active. Double tapping on a print image will cause that individual print to be displayed. The demonstrator can enlarge that print and move among all prints.
Tapping the Photo Capture button in the top right of the screen will show the imbedded camera functionality.
Tapping the green circle within the white ring button will “take” the picture and add it to the picture list.
Transmit all

Image001.jpg

Image002.jpg
The import file for photos is not supported in the demo, only how to access the file.
Quick Capture Platform Storyboards

TCN:20090309-1112-HRT001

Transmit all

Image001.jpg
Image002.jpg
<table>
<thead>
<tr>
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<th>Response</th>
<th>Last Name</th>
<th>DOB</th>
</tr>
</thead>
<tbody>
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</tr>
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<td>DOE</td>
<td>01/17/1973</td>
</tr>
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<td>MARLOW</td>
<td>01/05/1964</td>
</tr>
<tr>
<td>20090313-2012-HRT001</td>
<td></td>
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<td>05/01/1980</td>
</tr>
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<td>08/15/1961</td>
</tr>
<tr>
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<td>FLETCHER</td>
<td>10/16/1958</td>
</tr>
<tr>
<td>TCN</td>
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<tr>
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<td></td>
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<td>MARLOW</td>
<td>01/05/1964</td>
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<tr>
<td>20090313-2012-HRT001</td>
<td></td>
<td>MIDDLETON</td>
<td>05/01/1980</td>
</tr>
</tbody>
</table>
Tapping the Search button in the right corner will cause the search criteria popup to display.
<table>
<thead>
<tr>
<th>TCN</th>
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<th>Last Name</th>
<th>DOB</th>
</tr>
</thead>
<tbody>
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<td>2</td>
<td>DOE</td>
<td>01/17/1973</td>
</tr>
<tr>
<td>20090312-1242-HRT001</td>
<td>2</td>
<td>DOE</td>
<td>01/17/1973</td>
</tr>
</tbody>
</table>
Tap Red Hit info box to bring up RAP sheet.
Tap the exit button to return to the hit data.
Tap exit to return to list.
To return to the entire list, tap on the cancel search button adjacent to the search button. The demonstrator may also bring up the search criteria popup and tap the clear button.
## History

Transactions (58 total)

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<td>DOE</td>
<td>01/17/1973</td>
</tr>
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<td>05/01/1980</td>
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<td>08/15/1961</td>
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<tr>
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<td>2</td>
<td>FLETCHER</td>
<td>10/16/1958</td>
</tr>
</tbody>
</table>
The key sequence “CONTROL = P” will cause the hit popup to display at any point throughout the demonstration.
<table>
<thead>
<tr>
<th>RACE</th>
<th>BIRTH DATE</th>
<th>HEIGHT</th>
<th>WEIGHT</th>
<th>EYES</th>
<th>HAIR</th>
<th>BIRTH PLACE</th>
<th>CITIZENSHIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td>1986/07/24</td>
<td>604</td>
<td>185</td>
<td>BRO</td>
<td>BLK</td>
<td>WHOVILLE</td>
<td>USA</td>
</tr>
</tbody>
</table>

EXPLANATION OF A CHARGE OR DISPOSITION IS NEEDED, COMMUNICATE DIRECTLY WITH THE AGENCY FURNISHING THE DATA TO THE FBI.

NAME: WILCO, ROGER  FBI NO.: 106608MC0  DATE REQUESTED: 2009/02/19

- FBI IDENTIFICATION RECORD -

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
CRIMINAL JUSTICE INFORMATION SERVICES DIVISION
CLARKSBURG, WV 26306

FBIHRTZ  ICN ISIS0002000005702833
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Rolls Storyboard

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From the history list, double tap on the saved transaction.

<table>
<thead>
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<td>2</td>
<td>FLETCHER</td>
<td>10/16/1958</td>
</tr>
</tbody>
</table>
Tap on the Print tab to display the rolled print images.
Tap on the capture prints button in the upper right corner.
Scroll the print list.
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Roll Prints

TCN:20090313-2012-HRT001

Right Thumb
Right Index
Right Middle
Right Ring
Right Little
Left Thumb
Left Index
Left Middle
Do you wish to cancel the capture?
Canceling will not save any newly captured and/or annotated prints.

Yes cancel capture  Resume capture
DOB: 19730501
Race: Male
POB: XX_UNKNOWN
Other: U - UNKNOWN
Alias: BRO_BROWN
Hair: BLK - BLACK
Height: 0 00
Weight: 000 lbs
First: JOHNN
Middle: AMOS
Last: MIDDLETON
Eye: Shadow

Tap the training button to toggle training mode.
<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td></td>
</tr>
<tr>
<td>Middle</td>
<td>XX_UNKNOWN</td>
</tr>
<tr>
<td>Last</td>
<td>U - UNKNOWN</td>
</tr>
<tr>
<td>Other</td>
<td>BRO_BROWN</td>
</tr>
<tr>
<td>Alias</td>
<td></td>
</tr>
<tr>
<td>Hair</td>
<td>BLK - BLACK</td>
</tr>
<tr>
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<td>POB</td>
<td>XX_UNKNOWN</td>
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<tr>
<td>Race</td>
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</tr>
<tr>
<td>Eyes</td>
<td>BRO_BROWN</td>
</tr>
<tr>
<td>Height</td>
<td>0 00</td>
</tr>
<tr>
<td>Weight</td>
<td>000 lbs</td>
</tr>
<tr>
<td>Sex</td>
<td>Male</td>
</tr>
<tr>
<td>Deceased</td>
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</table>

TCN:20090309-1112-HRT001
Quick Capture Platform Storyboards

Training

TCN:20090309-1112-HRT001

Left Slap
Left Thumb
Right Slap
Right Thumb

[Training]
<table>
<thead>
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<td>10/16/1958</td>
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<tr>
<td>FBI IAFIS HIT</td>
<td>DoD HIT</td>
<td>DHS ABIS Reject</td>
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</tr>
<tr>
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</tr>
<tr>
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<td>10/10/2009 READING</td>
<td></td>
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</tbody>
</table>

FBI Verified 10/10/2009 READING
Quick Capture Platform Storyboards

Quick Capture Platform
User Interface Concepts
The connection statuses of the biometric collection devices the QCP application is configured to work with, are depicted on the Home screen. The above figure shows that the application expects to have a fingerprint scanner, camera, iris camera, and microphone (for voice recognition), but doesn’t detect any connection to the devices.
This figure shows a Bluetooth connection for the fingerprint scanner, a WiFi connection for the camera and a generic network. All of the network connection examples in this document are for illustrative purposes.
This figure shows a Bluetooth connection for the fingerprint scanner, a WiFi connection for the camera and a cellular network connection. If more than one cellular network is available for connection, just the one that is actually connected may be shown. All of the network connection examples in this document are for illustrative purposes.
This figure shows a Bluetooth connection for the fingerprint scanner, a WiFi connection for the camera and a BGAN network connection. All of the network connection examples in this document are for illustrative purposes.
There should be a method of minimizing the QCP application on the home screen (see upper right hand corner in the figure above).
This figure illustrates the concept of minimizing the QCP application when in standby mode. Tapping the Standby button would bring the application out of standby mode and maximizes the application window.
The training mode should have the “Training” watermark superimposed over all screens (the demonstration software shows the Search Fields popup covering the Training Mode watermark). Also in Training mode the phrase “[Training]” should be displayed to the right most of the window title, in the header (as shown above).
When a RAP sheet is displayed from the Hit data popup, a user should be able to highlight text and cut and paste into another application.