

iTools

User Guide

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1. Overview

TBD

1.1. Requirement

TBD

1.2. Approach

- TBD

2. Installation

2.1. Java

- Version: JRE 1.8 - jre-8u172-windows-i586.exe (<http://download.oracle.com/otn-pub/java/jdk/8u181-b13/96a7b8442fe848ef90c96a2fad6ed6d1/jre-8u181-windows-i586.exe>)

2.2. MySQL

- MySQL server 5.7: <https://dev.mysql.com/downloads/file/?id=479142>
- MySQL Workbench: <https://dev.mysql.com/downloads/file/?id=474210>
- Configuration user to logon: admin/<password>

2.3. iTools

- Provide basic information of Industry PC (IPC)
 - Database configuration
 - Board ID + VendorID – will provide the tool to get information later.
 - Machine Code
 - Company Code
- Copy iTools_<version>.jar to IPC and run

3. Configuration

```

# Database Section
mDbUser = Nvg1O4oQMvZ1sdJWnWjdZA==
mDbHost = UpHaAGLI5nA22jFEXfhGuQ==
mDbPwds = OrsBxLv9C9D28FmJ3CPggQ==
mDbName = eBKtu7D/Xq7eS2Ok3NS/uw==
mDbPort = JWWCJKiJkRk7Xvjrt/TBOA==

#Application config
Expired_Time = 30000
INTERVAL_SYNC = 300
Employee_Page_WO_Min_Length = 2
Employee_Page_OP_Min_Length = 2
MAX_ITEM_PER_TRAY = 20

# Company config
COMPANY_CODE_UH = fc29iLQb/6RzY78LZbsUDA==
COMPANY_CODE = 4/Yj79kc+/3YHljZ9MMQiw==
MACHINE_CODE = Ex3cQddpgX5+0LrLI4bBsA==

VENDOR_ID = 0x461
PRODUCT_ID = 0x20
READ_WAIT_TIME = 10
# Return code
MOTOR_START = 121
MOTOR_STOP = 122
PRODUCT_OK = 123
PRODUCT_FAIL = 124

###Config item
TRAY_01 = 01
TRAY_02 = 02
TRAY_03 = 03
TRAY_04 = 04
TRAY_05 = 05
TRAY_06 = 06
TRAY_07 = 07
TRAY_08 = 08
....
....
....

#Email config
EMAIL_USERNAME = fCBLD2EmSL3EzORzYJpyUoHa0cm+cnlWiQh9k8hyg9c=
EMAIL_PASSWORD = KG68kUlf8UKiI+qZY2Ft5A==
EMAIL_HOST = iNsabt5tGQ4+JPjalpYuvQ==
EMAIL_PORT = evNaJwjy9S1qudJ3/VSUA==
IS_SEND_MAIL = 1

```

```

1 # Database Section
2 mDbUser = Nvg1O4oQMvZ1sdJWnWjdZA==
3 mDbHost = localhost
4 mDbPwds = admin
5 mDbName = iTools_vlp0
6 mDbPort = 3306
7
8 #Application config
9 Expired_Time = 30000
10 INTERVAL_SYNC = 300
11 Employee_Page_WO_Min_Length = 2
12 Employee_Page_OP_Min_Length = 2
13 MAX_ITEM_PER_TRAY = 20
14
15 # Company config
16 COMPANY_CODE_UH = UHCOM
17 COMPANY_CODE = COM1
18 MACHINE_CODE = MAC1
19
20
21
22 VENDOR_ID = 0x461
23 PRODUCT_ID = 0x20
24 READ_WAIT_TIME = 10
25 # Return code
26 MOTOR_START = 121
27 MOTOR_STOP = 122
28 PRODUCT_OK = 123
29 PRODUCT_FAIL = 124
30
31 ###Config item
32 TRAY_01 = 01
33 TRAY_02 = 02
34 TRAY_03 = 03
35 TRAY_04 = 04
36 TRAY_05 = 05
37 TRAY_06 = 06
38 TRAY_07 = 07
39 TRAY_08 = 08
40 ....
41 ....
42 ....
43
44
45 #Email config
46 EMAIL_USERNAME = iTools_App
47 EMAIL_PASSWORD = <PasswordEmail>
48 EMAIL_HOST = tqteam.net
49 EMAIL_PORT = 25
50 IS_SEND_MAIL = 1
51
52

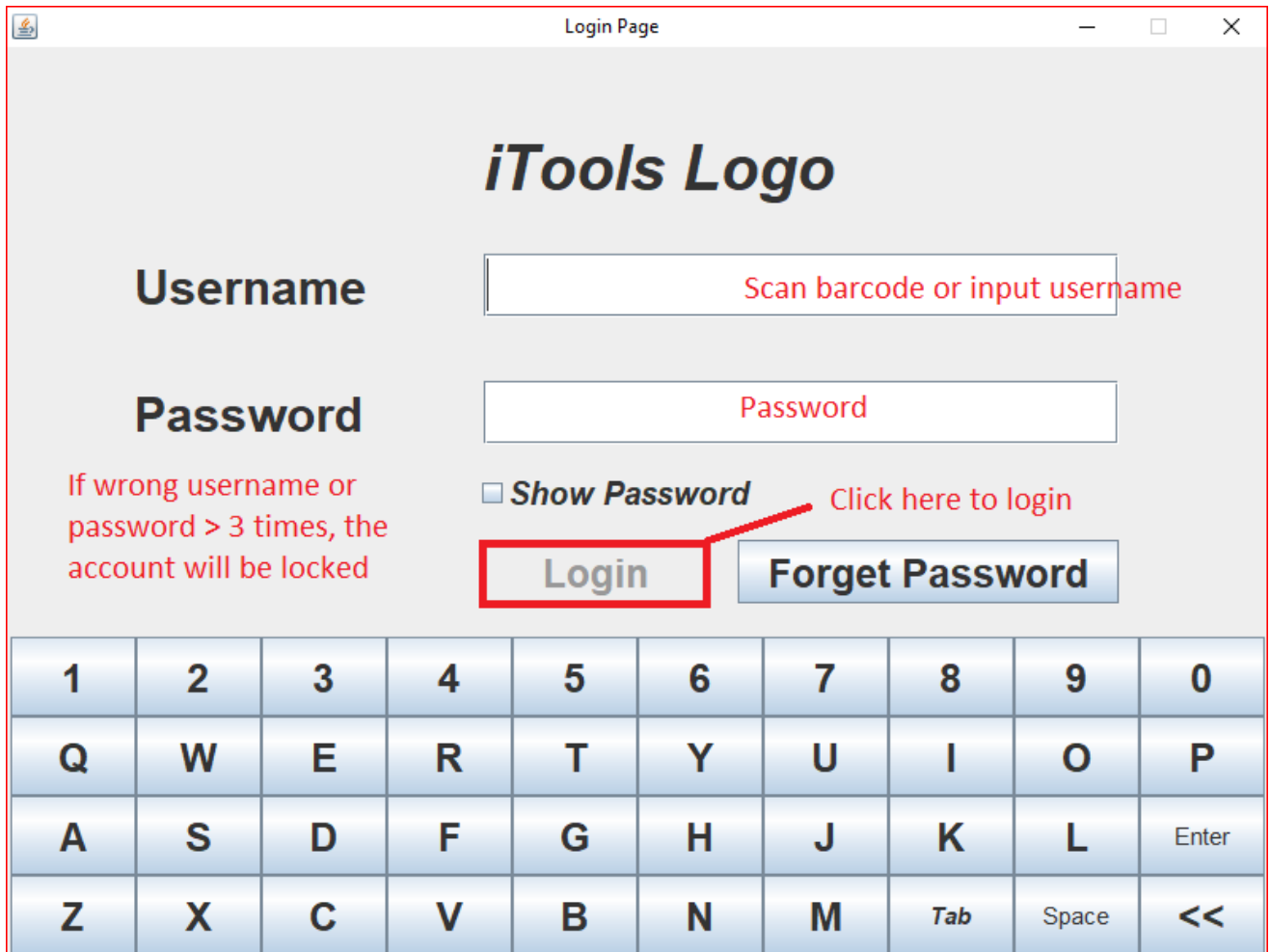
```

Figure 1: Configuration

4. User Guide

4.1. Common Feature

4.1.1. Login



The screenshot shows a web browser window titled "Login Page". The page features the "iTools Logo" at the top. Below the logo, there are two input fields: "Username" and "Password". The "Username" field has a red placeholder text "Scan barcode or input username". The "Password" field has a red placeholder text "Password". To the left of the password field, there is a red warning message: "If wrong username or password > 3 times, the account will be locked". Below the password field, there is a checkbox labeled "Show Password" and a red arrow pointing to the "Login" button with the text "Click here to login". The "Login" button is highlighted with a red border. To the right of the "Login" button is a "Forget Password" button. At the bottom of the page, there is a numeric keypad with buttons for digits 1-0, letters QWERTYUIOP, ASDFGHJKL, and ZXCVBNM, along with "Tab", "Space", and "<<" buttons.

Username

Password

If wrong username or password > 3 times, the account will be locked

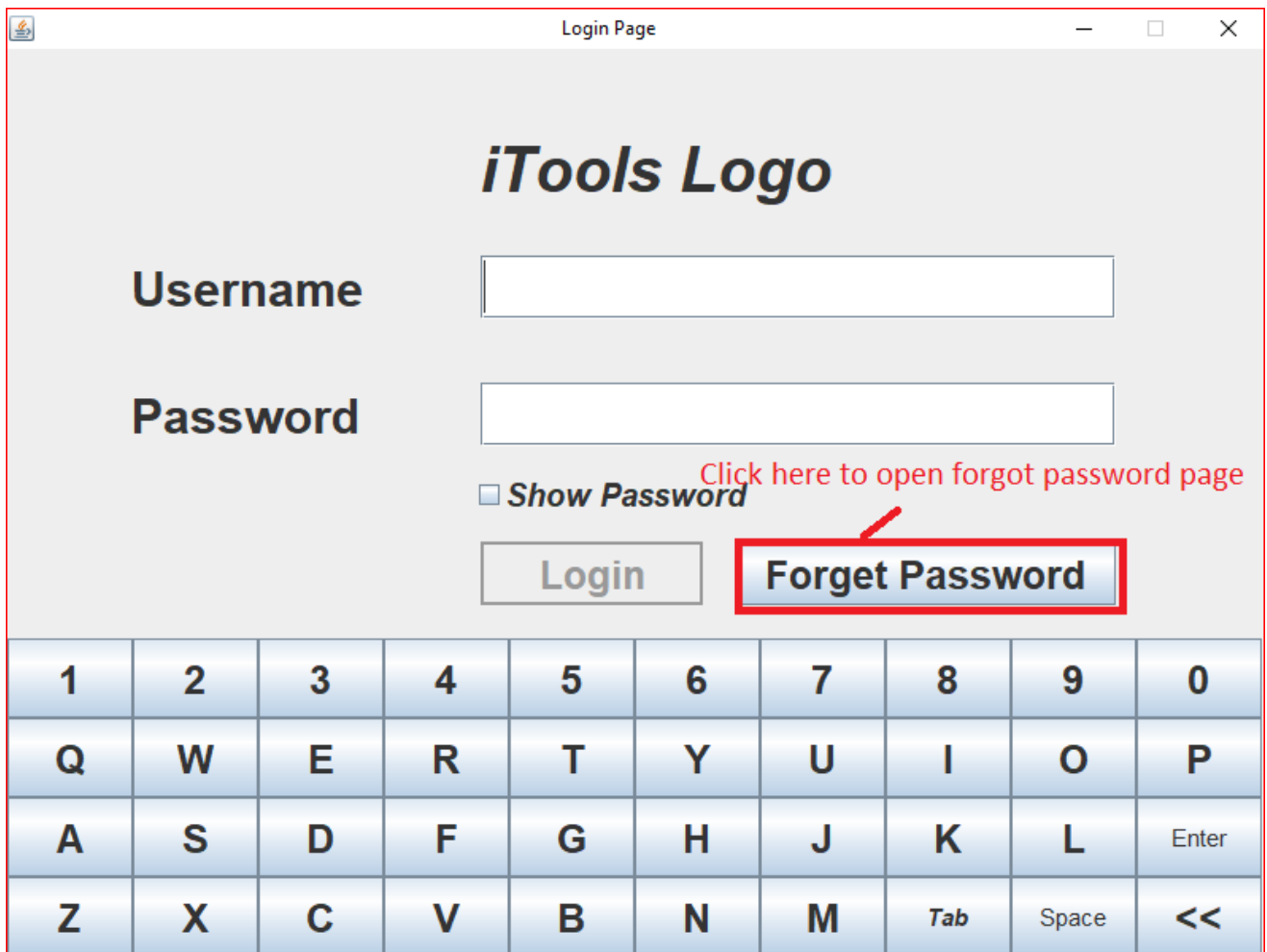
☐ **Show Password** [Click here to login](#)

Login **Forget Password**

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 2: Login Page

4.1.2. Forgot Password



The screenshot shows a web application window titled "Login Page". The main content area has a light gray background. At the top center is the "iTools Logo". Below the logo are two input fields: "Username" and "Password". Under the "Password" field is a checkbox labeled "Show Password". To the right of the checkbox, there is a red text annotation: "Click here to open forgot password page" with a red arrow pointing to the "Forgot Password" button. Below the input fields and checkbox are two buttons: "Login" and "Forgot Password". The "Forgot Password" button is highlighted with a red rectangular border. At the bottom of the window is a numeric keypad with four rows of buttons. The first row contains digits 1-0. The second row contains letters Q-P. The third row contains letters A-L and an "Enter" button. The fourth row contains letters Z-M, a "Tab" button, a "Space" button, and a "<<" button.

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 3: Forgot Password Page1

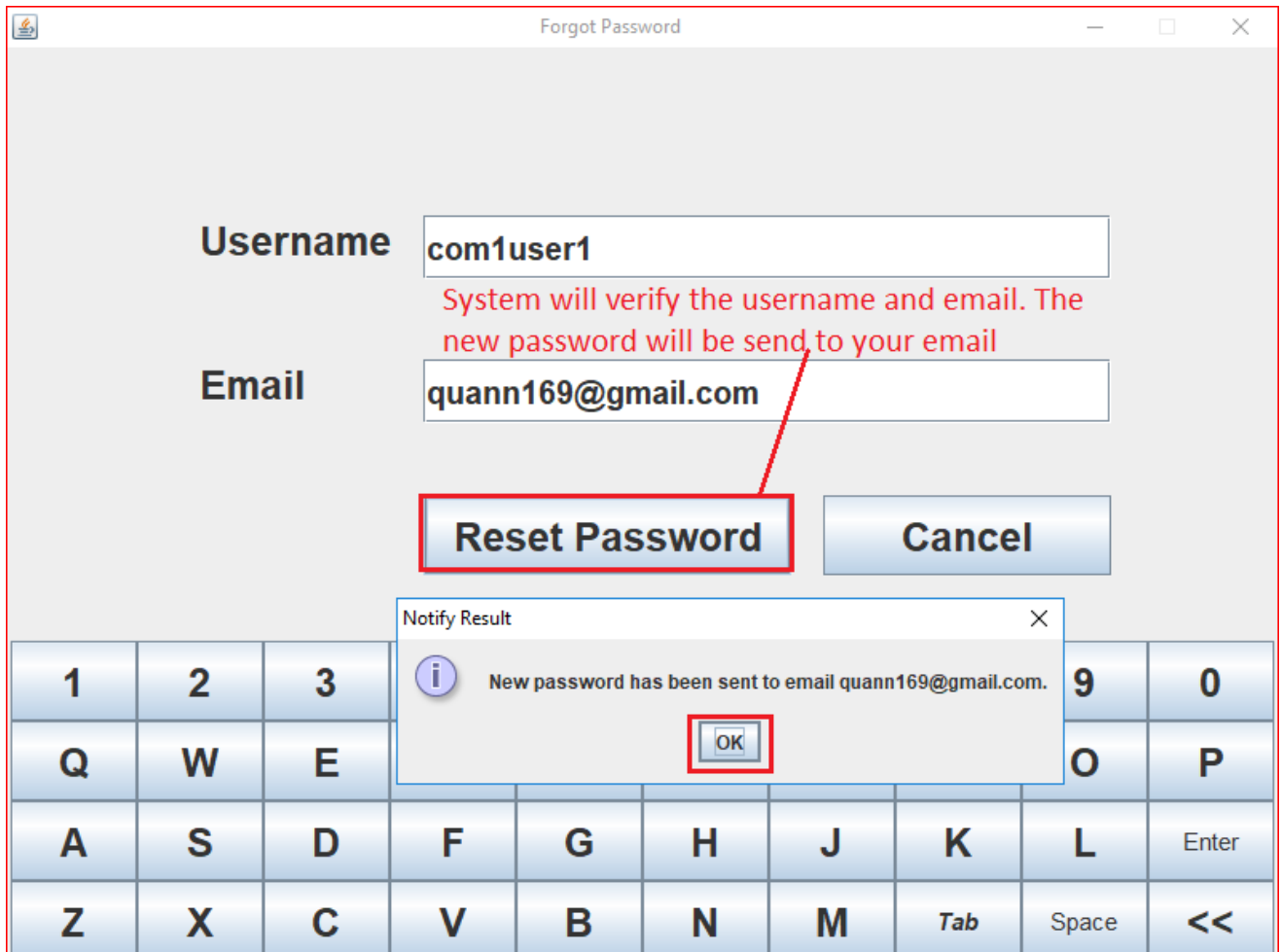


Figure 4: Forgot Password Page2

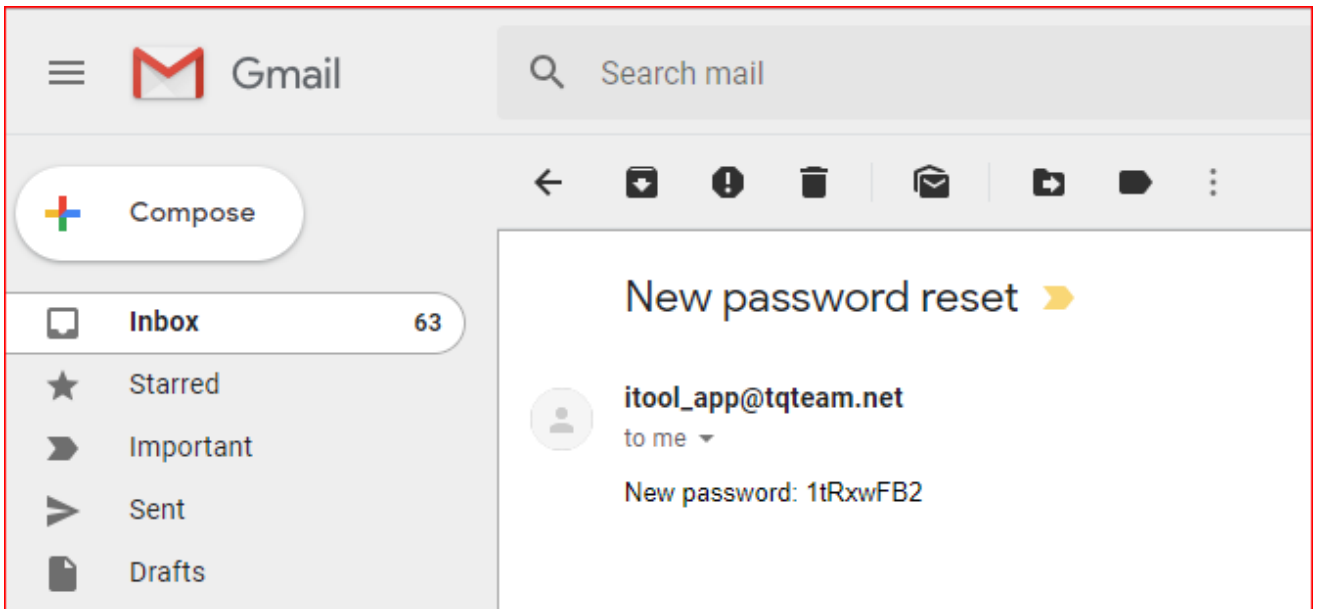


Figure 5: Forgot Password 3

4.1.3. Change Password

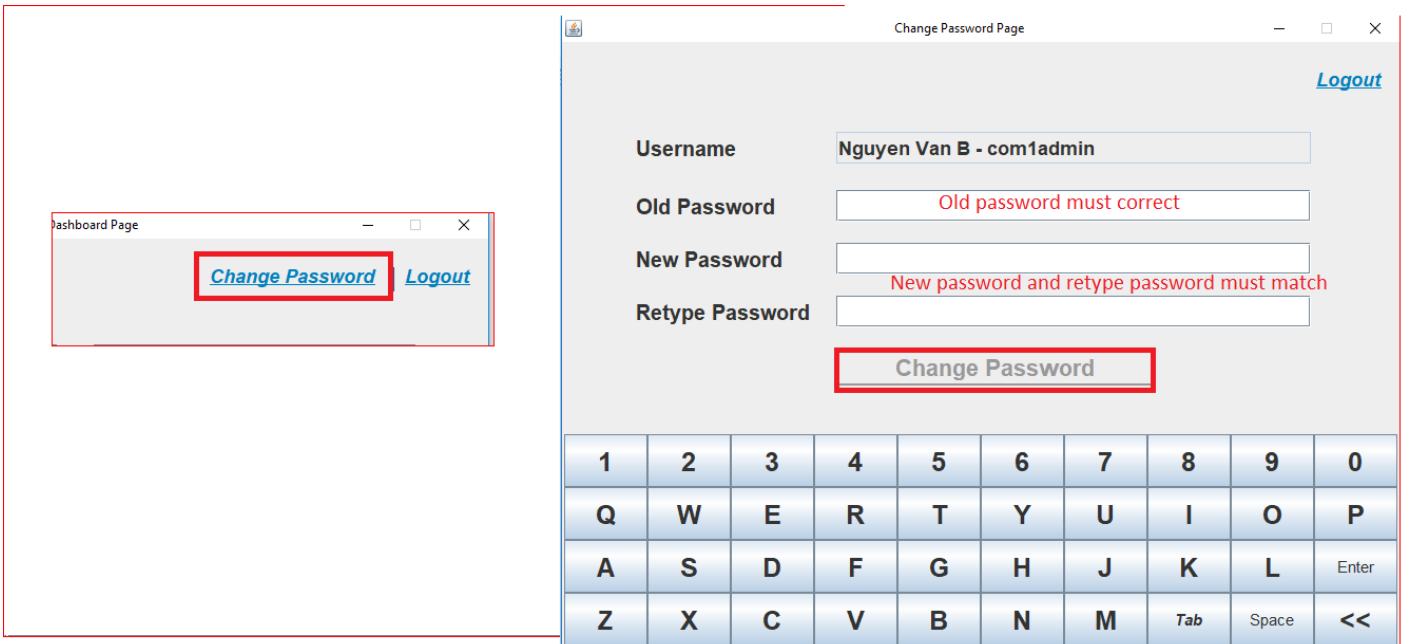


Figure 6: Change Password

4.2. Company Admin

4.2.1. Reset Password

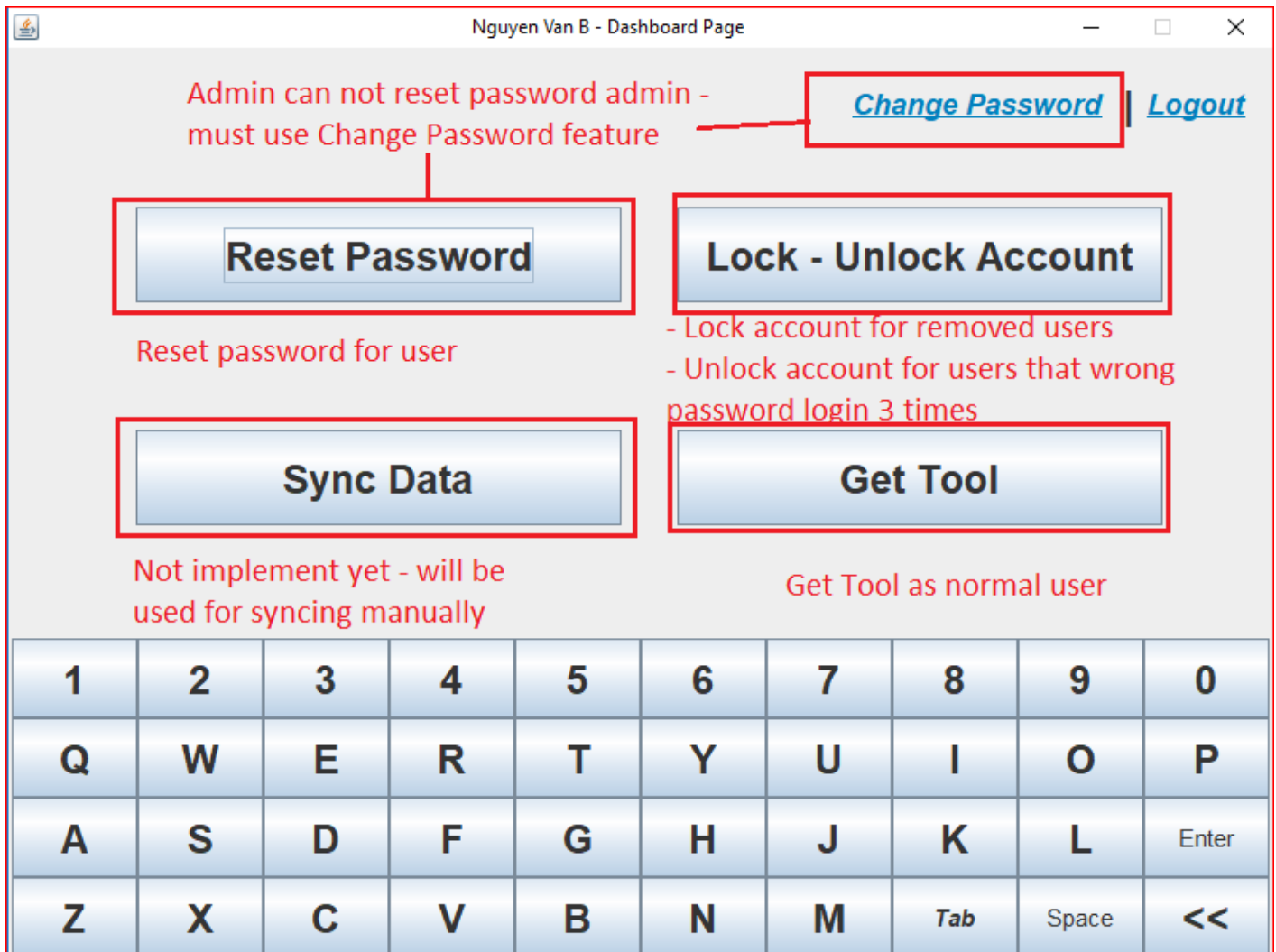


Figure 7: Dashboard

Nguyen Van B

[Back To Dashboard](#)

[Change Password](#) | [Logout](#)

Username

Nguyen Van A - com1user1

New Password

●●●●●●

Retype Password

●●●●

Change password first time login?

Reset Password

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 8: Reset Password

4.2.2. Lock - Unlock Account

Nguyen Van B

[Back To Dashboard](#)[Change Password](#) | [Logout](#)

Username

Nguyen Van A - com1user1

Lock Account

UnLock Account

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 9: Lock – Unlock Account

4.2.3. Sync manually

TBD

4.3. Accounting

4.3.1. Lock/Unlock machine

Login Page

iTools Logo

Username

accounting_username

Password

••••••

☐ Show Password

Login

Forget Password

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 10: Login by accounting account

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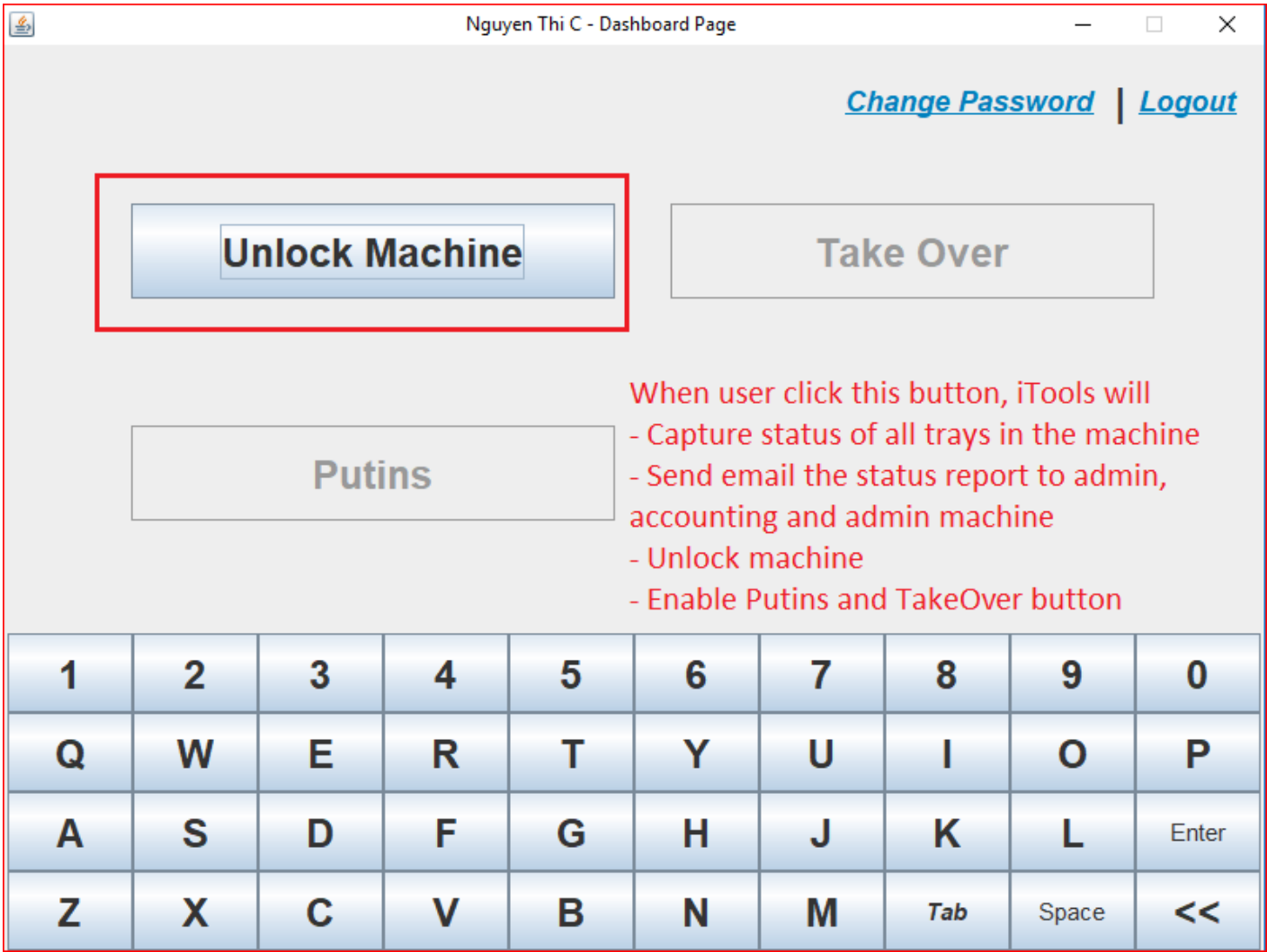


Figure 11: Show Dashboard

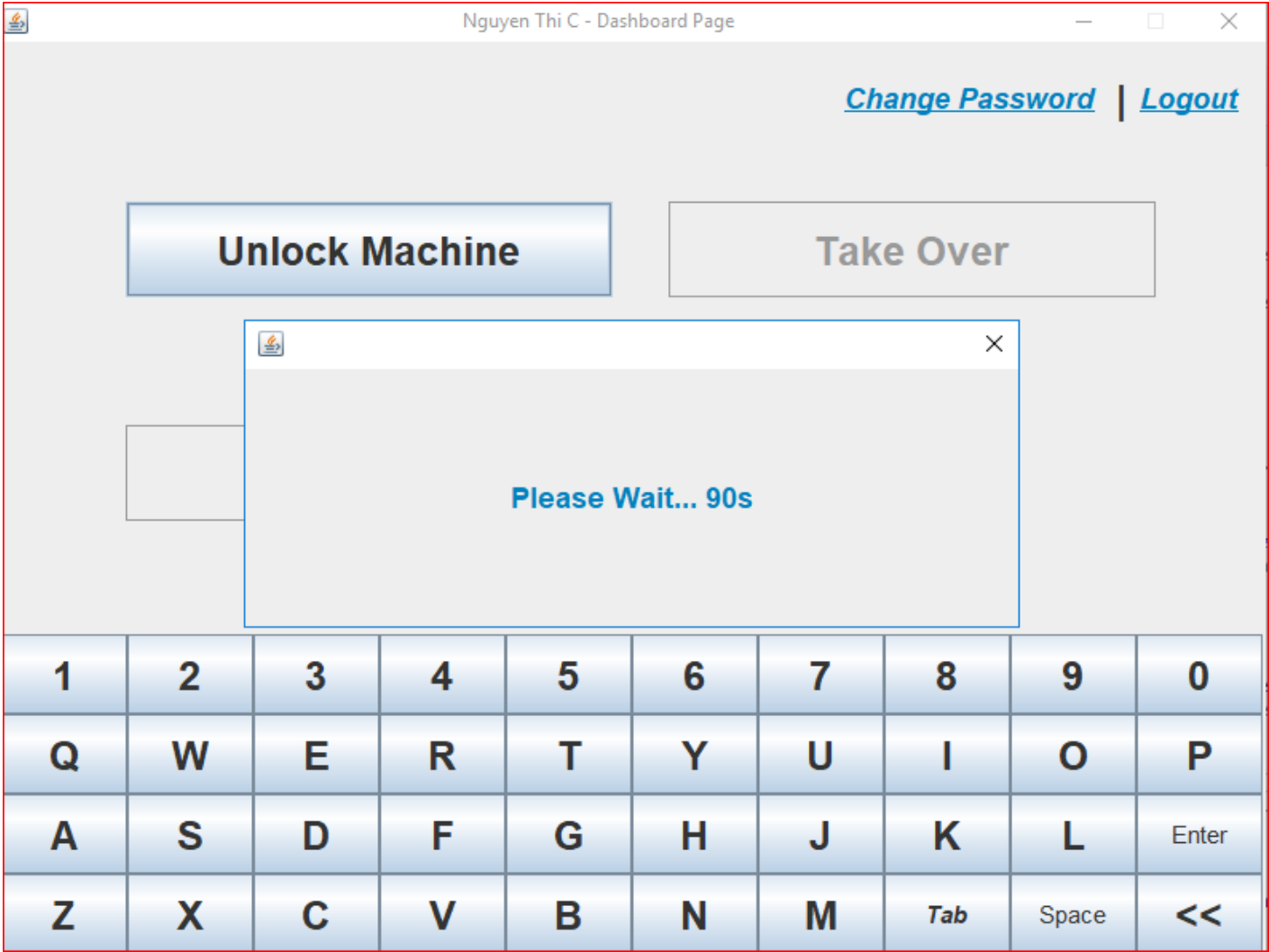


Figure 12: Wait for result

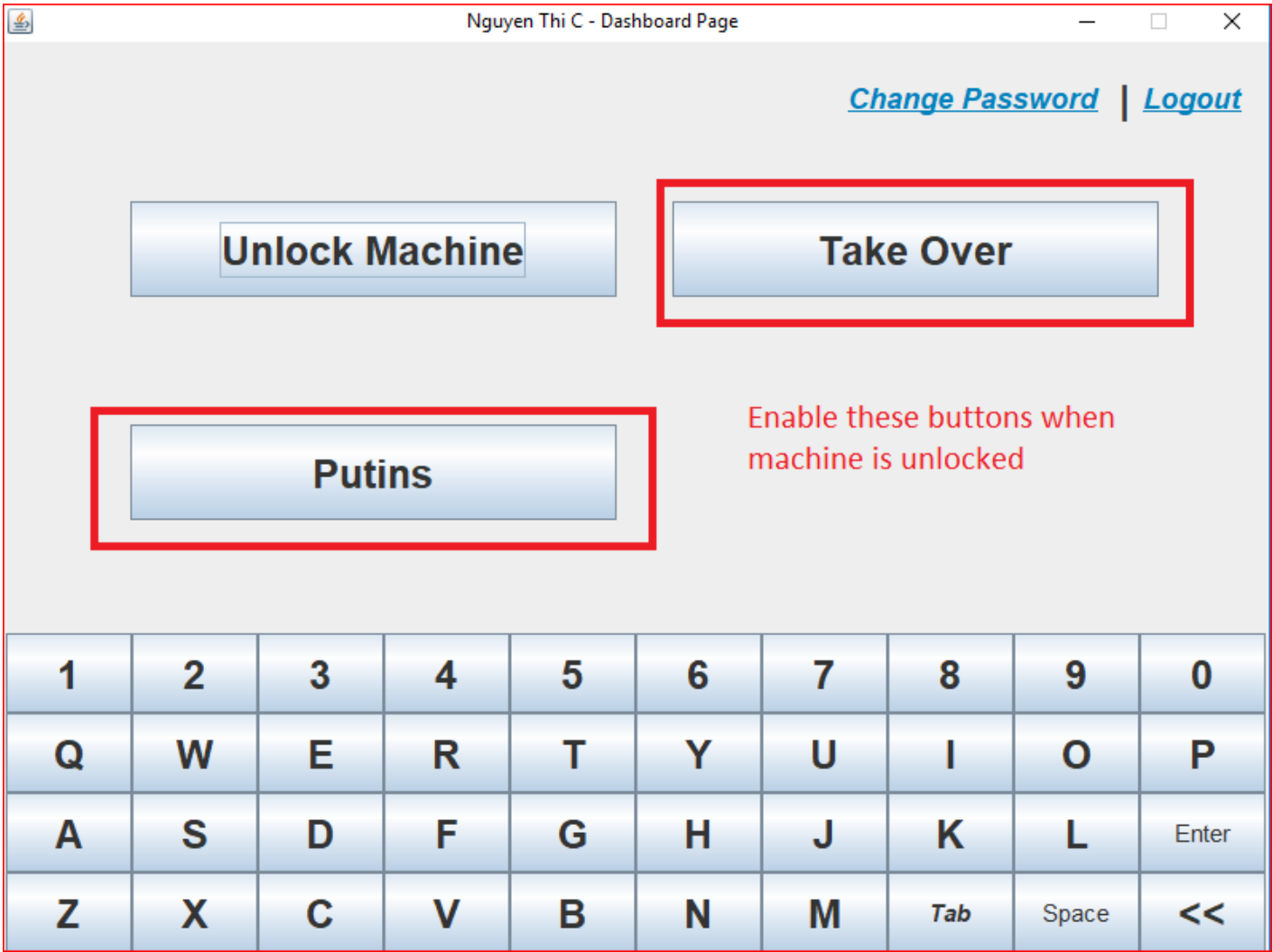


Figure 13: Enable Putins and TakeOver button after unlock

4.3.2. Putin

Nguyen Thi C - PutIns Page

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[Change Password](#) | [Logout](#)

CTID

Tray

Quantity

Send Request

Cancel

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 14: Putins Page

Nguyen Thi C - PutIns Page

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[Change Password](#) | [Logout](#)

CTID

Tray

Quantity

ACTID111
BCTID211
CCTID311
DCTID4
FCTID6
tool1

Dropdown to show all
available tools

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 15: Select Tools

Nguyen Thi C - PutIns Page

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[Change Password](#) | [Logout](#)

CTID

ACTID111

Tray

Quantity

- After user selected a tool, user can select tray for this tool

- Tray list contain

+ Empty tray

+ Tray that selected tool already added

TRAY_01

TRAY_03

TRAY_04

TRAY_05

TRAY_06

TRAY_07

TRAY_08

TRAY_02 belong to tool BCTID211 ==> do not show here

1	2	3						9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 16: Select Trays

Nguyen Thi C - PutIns Page

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CTID: ACTID111

Tray: TRAY_01

Quantity: 4

User input new quantity and click Send Request

Send Request Cancel

1	2	3	4	5
Q	W	E	R	T
A	S	D	F	G
Z	X	C	V	B

PutIns Confirmation

CTID: ACTID111
Tray: TRAY_01
Quantity: 4

Yes No

Figure 17: Edit quantity and process

Nguyen Thi C - PutIns Page

[Back To Dashboard](#)

[Change Password](#) | [Logout](#)

CTID

ACTID111

Tray

TRAY_01

Quantity

1

Notify result

Completed!

OK

Cancel

Complete add new tool to tray. This tool - tray - quantity will be synced to cloud and can be viewed by web

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 18: Review result

4.3.3. TakeOver

Nguyen Thi C - TakeOver Page

[Back To Dashboard](#)[Change Password](#) | [Logout](#)

CTID

ACTID111

Tray

TRAY_01

Quantity

11

The same process as Putins but the quantity must less than the existed value

Send Request

Cancel

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 19: Review result

4.4. Normal User

4.4.1. Get Tool

The screenshot shows a web application window titled 'Nguyen Van A - GetTool Page'. At the top right, there are links for 'Change Password' and 'Logout'. The main form contains three input fields: 'WO' with the value 'GDG13J7QA', 'OP' with the value 'HQ7296NXM', and 'CTID' with a dropdown menu showing 'ACTID111'. Below these, there are two more input fields: 'Tray' with the value 'TRAY_01' and 'Quantity' with the value '11'. A red arrow points from the 'Tray' field to a tooltip that says '[[TRAY_01, 11]]'. Below the input fields are two buttons: 'Send Request' and 'Cancel'. A red box highlights the 'Send Request' button. At the bottom of the page is a numeric keypad with letters and symbols. A red arrow points from the '5' key to the text 'Click here to get tool'. There are also red annotations: 'Scan barcode to input WO and OP' near the WO and OP fields, and 'Select tool or scan barcode to get tool' near the Tray and Quantity fields. A red arrow points from the text 'Show list of available trays, if not, the tool will suggest the available machine for user' to the Tray field.

WO

OP

CTID

Tray Quantity

1	2	3	4	5	6	7	8	9	0
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	Enter
Z	X	C	V	B	N	M	Tab	Space	<<

Figure 20: Get Tool Page



Figure 21: Processing

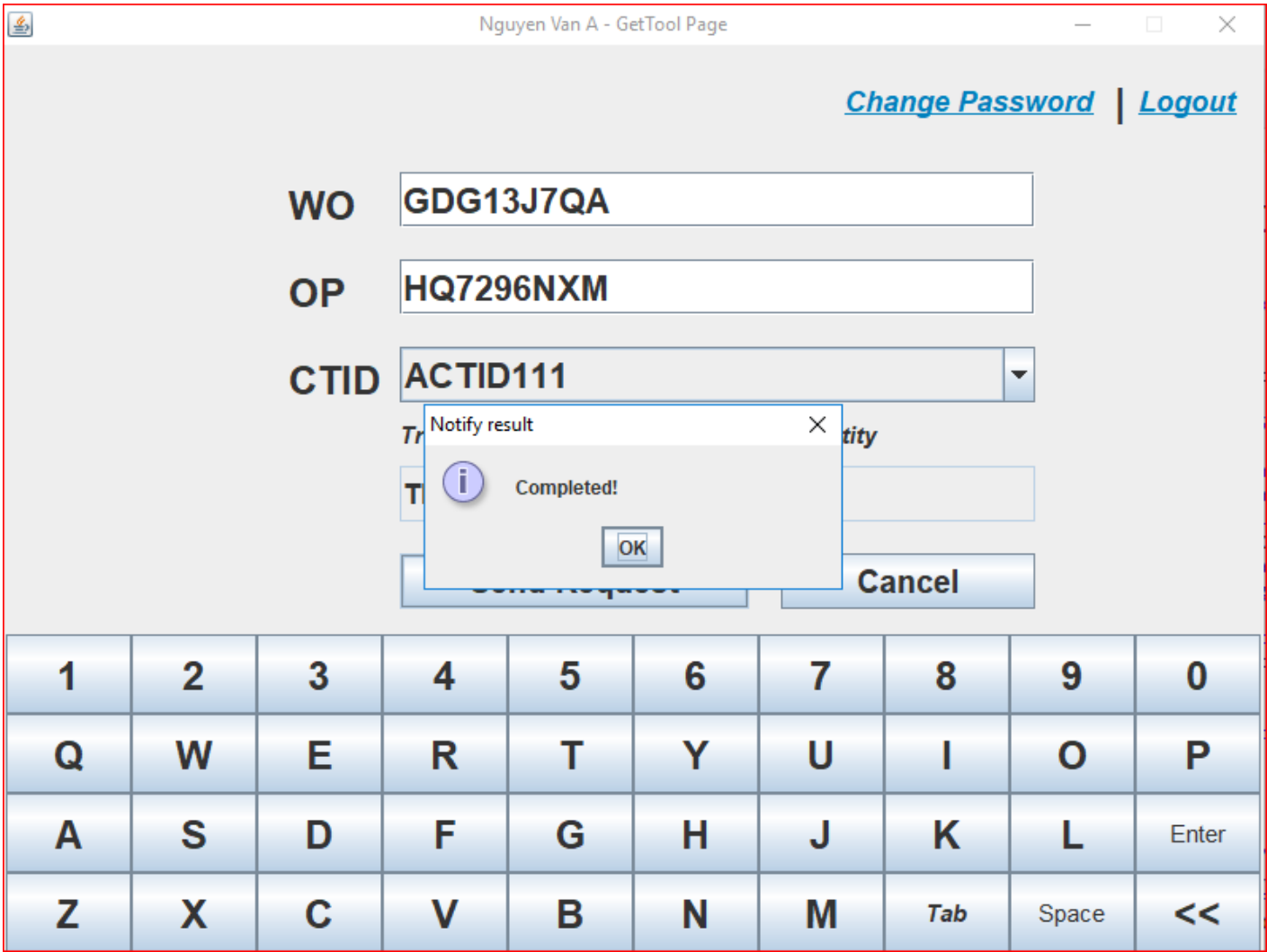


Figure 22: Review result

- 5. Error Message
- 6. Troubleshoot
- 7. Portrait page style