Holdshelf slip print template with privacy code and conditional barcode printing

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This is a version of the holdshelf slip print template that Concordia University Library is using for items on the public hold shelf. This slip is printed on a letter size piece of paper, landscape orientation, and secured to the book with rubber bands to hide the title, and identify the patron for whom the book is on hold. There are a number of components to this print template, namely the patron's privacy code, the conditional printing of barcodes, and the pull date.

Patron Privacy Code

A privacy code is generated using the first four letters on the patron's last name, and last three digits of their university ID number, unless they are patrons without university IDs, in which case we use the last three digits of their barcode. The code below is used to generate the privacy code, and accounts for last names under four letters long, and removes special characters and converts everything to uppercase. It also has a build in error code of 'ZZZZ' which alerts staff to a usable characters for the last name in the patron record.
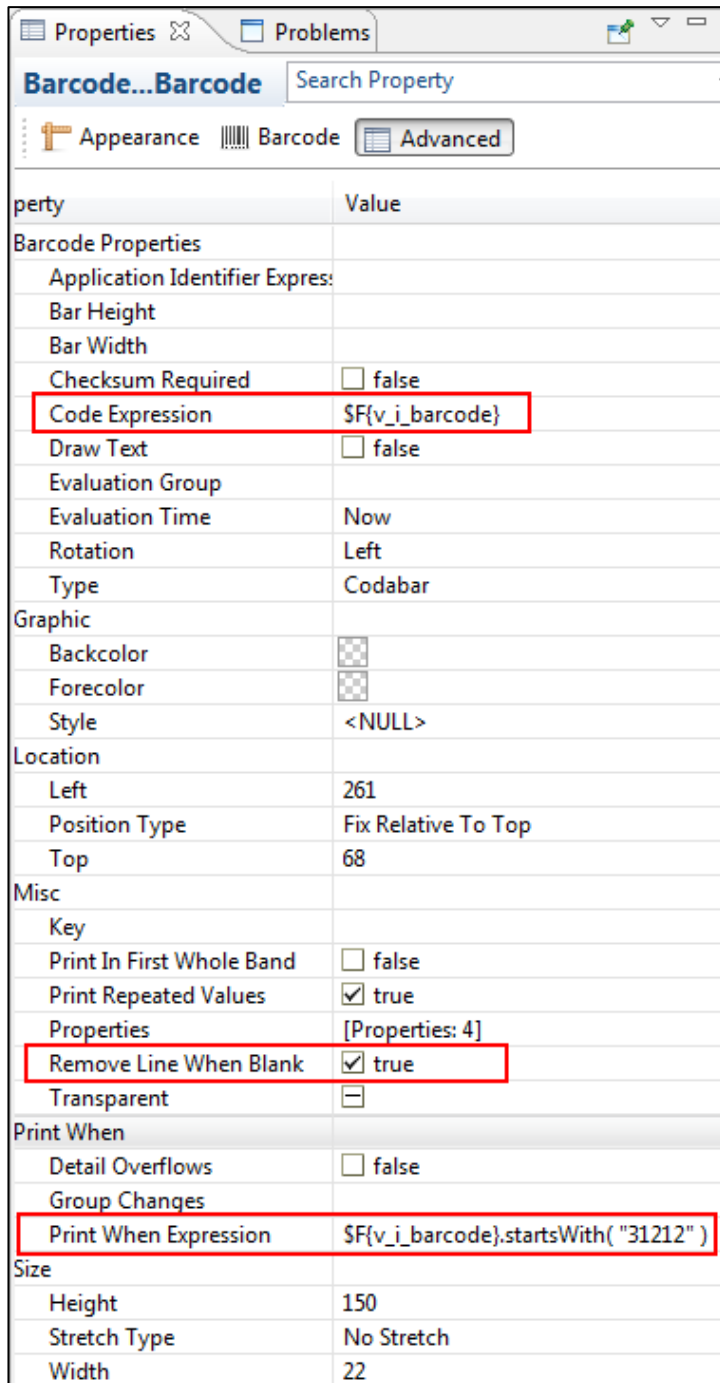
The university ID is taken from the barcode, specifically digits 10-12 of a 14 digit barcode. For those patrons whose barcodes begin with 1, which happen to be the patrons without university IDs, we use digits 12-14 of their 14 digit barcode. If there is a problem with this portion of the privacy code 'ZZZZ' is printed to alert staff to a missing barcode.

```
($F{v_p_name} != null ? ($F{v_p_name}.contains(", ") ?
($F{v_p_name}.replace("\'","").replace("-","").replace(" ","").replace(".","").indexOf( "," )< 4 ?
    $F{v_p_name}.replace("\'","").replace("-","").replace("
","").replace(".","").toUpperCase().substring(0 , $F{v_p_name}.replace("\'","").replace("-","").replace("
","").replace(".","").indexOf(",")) :
    $F{v_p_name}.replace("\'","").replace("-","").replace("
","").replace(".","").toUpperCase().substring( 0,4 ))
: ($F{v_p_name}.replace("\'","").replace("-","").replace(" ","").replace(".","").length()< 4 ?
    $F{v_p_name}.replace("\'","").replace("-","").replace(" ","").replace(".","").toUpperCase() :
    $F{v_p_name}.replace("\'","").replace("-","").replace("
","").replace(".","").toUpperCase().substring( 0,4 ))  )
: "ZZZZ")
+
($F{v_p_barcode}!= "" ?
    ($F{v_p_barcode}.length() < 13 ? "ZZZZ" :
    ($F{v_p_barcode}.startsWith( "1" ) ?
        $F{v_p_barcode}.substring( 10, 13 ) :
        $F{v_p_barcode}.substring( 9, 12 )))
    : "ZZZZ")
```

Note that similar code is necessary in the hold pickup notice if you wish to tell patrons which code to look for on the public hold shelf.

Conditional Barcode Printing

While Concordia University Library hasn't put this into practice due to concerns of potential for abuse with self-check machines, it is possible to print scan-able barcodes depending on the barcode. In this template we chose to print a barcode in one position only if it begins with '31212' and in a second position regardless of what it starts with. To do this, put the barcode in the 'Code Expression' but use the 'Print When Expression' for the condition on which you want it to print. This condition will need to be TRUE in order to print.
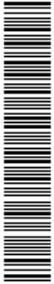
Properties ⊠	Problems	
Barcode...Barcode	Search Property	
⚑ Appearance ‖‖‖‖ Barcode 🗏 Advanced		
perty	Value	
Barcode Properties		
Application Identifier Express		
Bar Height		
Bar Width		
Checksum Required	☐ false	
Code Expression	$F{v_i_barcode}	
Draw Text	☐ false	
Evaluation Group		
Evaluation Time	Now	
Rotation	Left	
Type	Codabar	
Graphic		
Backcolor		
Forecolor		
Style	<NULL>	
Location		
Left	261	
Position Type	Fix Relative To Top	
Top	68	
Misc		
Key		
Print In First Whole Band	☐ false	
Print Repeated Values	☑ true	
Properties	[Properties: 4]	
Remove Line When Blank	☑ true	
Transparent	⊟	
Print When		
Detail Overflows	☐ false	
Group Changes		
Print When Expression	$F{v_i_barcode}.startsWith("31212")	
Size		
Height	150	
Stretch Type	No Stretch	
Width	22	

Pull Date Parsing

To reduce potential confusion, we change three letter day codes to full day names with the following code:

```
($F{pull_date}.contains( "Sun " ) ? $F{pull_date}.replace( "Sun ", "Sunday\n" ) :
($F{pull_date}.contains( "Mon " ) ? $F{pull_date}.replace( "Mon ", "Monday\n" ) :
($F{pull_date}.contains( "Tue " ) ? $F{pull_date}.replace( "Tue ", "Tuesday\n" ) :
($F{pull_date}.contains( "Wed " ) ? $F{pull_date}.replace( "Wed ", "Wednesday\n" ) :
($F{pull_date}.contains( "Thu " ) ? $F{pull_date}.replace( "Thu ", "Thursday\n" ) :
($F{pull_date}.contains( "Fri " ) ? $F{pull_date}.replace( "Fri ", "Friday\n" ) :
($F{pull_date}.contains( "Sat " ) ? $F{pull_date}.replace( "Sat ", "Saturday\n" ) :
$F{pull_date}))))))))
```

Example of a holdshelf slip with a 31212 barcode

If you choose to borrow this book, please do so at the self-checkout or the circulation desk.

If you do not require this book, please leave it on this shelf.

TEST7778

If you choose to borrow this book, please do so at the self-checkout or the circulation desk.

If you do not require this book, please leave it on this shelf.

31212040402178

Webster Laptop

On hold until:

Saturday
15 Oct 2016

Example of a holdshelf slip without a 31212 barcode

T
E
S
T
7
7
8

If you choose to borrow this book, please do so at the self-checkout or the circulation desk.

If you do not require this book, please leave it on this shelf.

If you choose to borrow this book, please do so at the self-checkout or the circulation desk.

If you do not require this book, please leave it on this shelf.

99999999

Webster Laptop

On hold until:

Saturday
15 Oct 2016