


LIBRARIES CHANGE LIVES  
THROUGH LIFELONG LEARNING

[www.hclib.org](http://www.hclib.org)

# Customizing HIP: Enhancing "My Account" Through Advanced XSL Stylesheet Editing

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Hennepin County Library  
CODI – November, 2004




## Customizing at Hennepin County Library

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- HIP 3.0, Windows 2000
- Dynix ILS, release 191 HF1
- HCL is a single library with 26 branches
  - Each branch has a HIP profile, but they are essentially identical
  - Decision-making aspects of customization are centralized
  - Only one [strings.xml](#), [other.xml](#), [onoff.xml](#)
- Experience with HTML and ColdFusion
  - ColdFusion is a web application platform that uses templates and a tag-based programming language

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## Customizing at Hennepin County Library

- Resources available for customization effort
  - Development server
  - Extra ILS licenses
  - Staff with experience in web application development
- Started with cosmetic changes
  - Reduction of white space
  - Removal of extraneous information
  - Color conformity with the library's web pages



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## Customizing at Hennepin County Library

- Breakthrough moment: realizing there are two parts to every HIP page:
  - Functional elements
    - links, input boxes, submit buttons, JavaScript
  - Display elements
- As long as the functional elements are left intact, you can do as you like with the display elements
- First major customization: [toolbar2.xsl](#)

## Customizing at Hennepin County Library

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The screenshot shows the 'Information Portal' with a navigation bar containing 'Search', 'My Account', 'Find a Good Book', and 'Ask Us'. Below this is a search bar with options: 'Starts with...', 'Keyword', 'Kids', 'By Format...', and 'Advanced Search'. A 'My List - 0' button and 'Login' and 'Help' links are also visible.

The screenshot shows the 'ONLINE CATALOG' with a navigation bar containing 'Search', 'My Account', 'Find a Good Book', and 'Ask Us'. Below this is a search bar with options: 'Starts with...', 'Keyword', 'Kids', 'By Format...', and 'Advanced Search'. A 'Quick Search:' input field with a 'GO' button is present, along with 'Exit', 'Login', 'Help', and 'My List - 0' links.

## My Account customizations

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- Pre-rollout customizations
  - Focused on layout and display
  - Disabled ability to add/update email address
  - Removed unneeded and misleading information
- After public rollout
  - Lots of feedback from staff and the public
  - Focused very heavily on usability
  - Reinforced benefits of customization efforts



## My Account Stylesheets

6 Login:

[searchresponse.xls](#)

- [security.xls](#)


My Account:

[patronpersonalresponse.xls](#)

- [toolbar2.xls](#)
- [patronpersonaloptions.xls](#)
- [generalfooter.xls](#)

For a complete list see [xsltransformer.xml](#) in the top level XSL folder/directory

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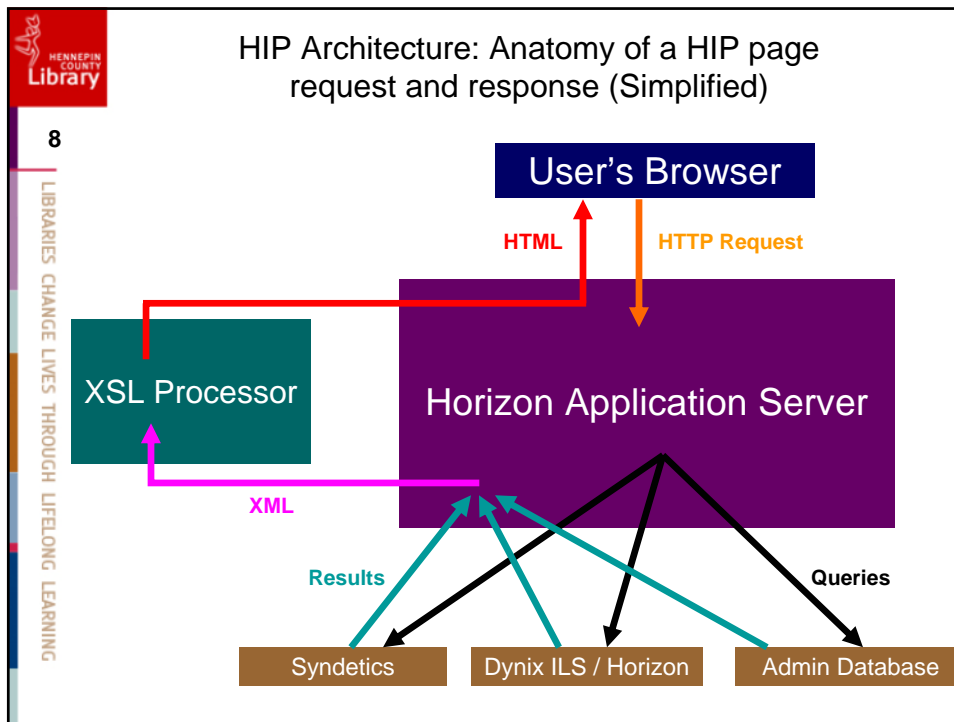


## xsltransformer.xml

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```
<Root>
<Name>./xsl/patronpersonalresponse.xls</Name>
<Includes>
<Include type="timer">expiretimer.xls</Include>
<Include type="summary">summary.xls</Include>
<Include type="summaryitems">summaryitems.xls</Include>
<Include type="patronoptions">patronpersonaloptions.xls</Include>
<Include type="limits">limits.xls</Include>
<Include type="footer">generalfooter.xls</Include>
<Include type="suspend_date">suspend\_date.xls</Include>
<Include type="summarycolumns">summarycolumns.xls</Include>
<Include type="categories">categories.xls</Include>
<Include type="toolbar">toolbar2.xls</Include>
<Include type="error">error.xls</Include>
<Include type="remote">remotesources.xls</Include>
<Include type="booklist">booklist.xls</Include>
<Include type="attributes">other.xls</Include>
<Include type="searchinput">searchinput.xls</Include>
<Include type="string">string.xls</Include>
<Include type="items">items.xls</Include>
<Include type="features">onoff.xls</Include>
<Include type="image">image.xls</Include>
<Include type="replace">replace.xls</Include>
<Include type="bestsellers">bestsellerlists.xls</Include>
</Includes>
</Root>
```

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Hennepin County Library

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### Viewing XML data

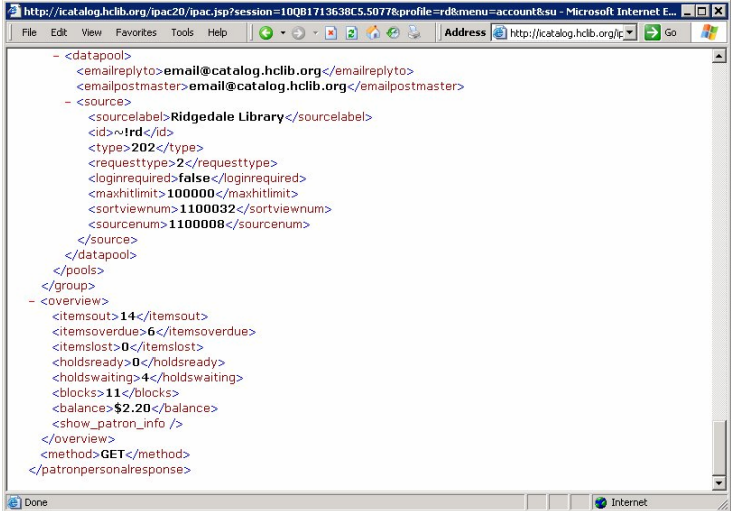
To see the XML behind most HIP pages, add **"&GetXML=true"** to the URL

- Case sensitive
- Remove "#focus" from the end of the URL first
- Example:
  - <http://catalog.hclib.org/ipac20/ipac.jsp?profile=rd#focus>
  - <http://catalog.hclib.org/ipac20/ipac.jsp?profile=rd&GetXML=true>
- You are re-submitting the HIP request, so you may be re-renewing or re-reserving a title
- Occasionally it doesn't work
  - address bar only contains base URL

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## Viewing Overview XML data




```
<datapool>
  <emailreplyto>email@catalog.hclib.org</emailreplyto>
  <emailpostmaster>email@catalog.hclib.org</emailpostmaster>
  <source>
    <sourceid>Ridgedale Library</sourceid>
    <id>~trd</id>
    <type>202</type>
    <requesttype>2</requesttype>
    <loginrequired>false</loginrequired>
    <maxhitlimit>100000</maxhitlimit>
    <sortviewnum>1100032</sortviewnum>
    <sourcenum>1100008</sourcenum>
  </source>
</datapool>
</pool>
</group>
<overview>
  <itemsout>14</itemsout>
  <itemsoverdue>6</itemsoverdue>
  <itemslost>0</itemslost>
  <holdsready>0</holdsready>
  <holdswaiting>4</holdswaiting>
  <blocks>11</blocks>
  <balance>$2.20</balance>
  <show_patron_info />
</overview>
<method>GET</method>
</patronpersonalresponse>
```

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## Login (remote)



The screenshot shows the login page of the Hennepin County Library Online Catalog. The page has a navigation bar with "Search", "My Account", "Find a Good Book", and "Ask Us". Below the navigation bar, there are links for "Overview", "Items Out", "Holds", "Message/Fines", "Profile", and "PIN". A "Login" button is visible in the top left. The main content area features a "Login" form with the following text: "Please enter the following information". There are two input fields: "Barcode" and "PIN". Below the fields is a "Login" button. A note below the button says: "Don't have a PIN? Enter the last four digits of your phone number." and a link "Need help with your PIN?". At the bottom of the page, there are links for "home", "hours", "library cards", "magazine & newspaper list", "other mn libraries", and "feedback". The footer contains the copyright information: "© 2001-2004 Dynix. All rights reserved."

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## Login (in-house)

Hennepin County Library - Online Catalog - Microsoft Internet Explorer provided by Hennepin County Library

Address: <http://catalog.hcib.org/lpc/>

ONLINE CATALOG

Search My Account Find a Good Book Ask Us

Overview Items Out Holds Message/Fines Profile PIN

Exit Login Help My List 0

**Login**

Please enter the following information:

Barcode

PIN

To protect your personal information, click **Exit** before you leave the workstation.

**Login**

Don't have a PIN? Enter the last four digits of your phone number.

Need help with your PIN? Please ask staff at the service desk.

[home](#) - [hours](#) - [library cards](#) - [magazine & newspaper list](#) - [other mn. libraries](#) - [feedback](#)

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## Overview

Hennepin County Library - Online Catalog - Microsoft Internet Explorer provided by Hennepin County Library

Address: <http://catalog.hcib.org/lpc/>

ONLINE CATALOG

Search My Account Find a Good Book Ask Us

Overview Items Out Holds Message/Fines Profile PIN

Exit Logout Welcome PHILIP A FEILMEYER Help My List 0

**Account Overview**

**Items Out** - See and renew currently checked out items

Checked Out: 22  
Overdue: 4

**Holds** - Items ready to be picked up and waiting to become available

Requested items ready for pick up: 0  
Requested items not yet available: 3

**Messages/Fines** - Messages, fines and other account information

Number of Messages/Fines: 20  
Current Balance: \$5.40

**Profile** - See and change address, phone number, email address, PIN and preferences

**PIN** - Change your Personal Identification Number (PIN)

[home](#) - [hours](#) - [library cards](#) - [magazine & newspaper list](#) - [other mn. libraries](#) - [feedback](#)

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## Overview (no email address in XML)

The screenshot shows the 'My Account' page for Philip A. Feilmeyer. The page is titled 'Account Overview' and contains several sections:

- Items Out:** See and renew currently checked out items. Checked Out: 22, Overdue: 4.
- Holds:** Items ready to be picked up and waiting to become available. Requested items ready for pick up: 0, Requested items not yet available: 3.
- Messages/Fines:** Messages, fines and other account information. Number of Messages/Fines: 20, Current Balance: \$5.40.
- Profile:** See and change address, phone number, email address, PIN and preferences.
- PIN:** Change your Personal Identification Number (PIN).

Navigation links at the bottom include: home, hours, library cards, magazine & newspaper list, other mn. libraries, feedback.

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## Overview XML data (no email address)

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
- <patronpersonalresponse>
- <version>3.0</version>
- <session>10M04N76211Y2.1476</session>
- <profile>rd</profile>
- <lang>eng</lang>
- <expirepage>1800</expirepage>
- <illurl />
- <httpserver>
- <servername>icatalog.hclib.org</servername>
- <host>icatalog.hclib.org</host>
- <port>80</port>
- </httpserver>
- <browser>
- <type>MSIE</type>
- <majorversion>6</majorversion>
- <minorversion>0</minorversion>
- <os>Windows NT</os>
- <addr>172.16.100.67</addr>
- </browser>
- <bookbag>
- <size>0</size>
- </bookbag>
- <security>
- <auth>true</auth>
- <name>FEILMEYER, PHILIP A.</name>
- <patronid>831256</patronid>
- <address>12601 Ridgedale Drive , MINNETONKA, MN 55305-1909</address>
- <emailaddress />
- <phone>952-847-0760</phone>
- </security>
- </toolbar>
```

**Hennepin County Library**

## Modification to patronpersonaloptions.xsl

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```
<xsl:if test="string-length(//security/emailaddress) = 0">
  <table>
    <xsl:attribute name="cellpadding">4</xsl:attribute>
    <xsl:attribute name="cellspacing">3</xsl:attribute>
    <xsl:attribute name="border">0</xsl:attribute>
    <xsl:attribute name="bgcolor">#ffffff</xsl:attribute>
    <tr><td>
      <a>
        <xsl:attribute name="href">...snip...</xsl:attribute>
        <img>
          <xsl:attribute name="src">
            <xsl:value-of select="$images_path"/>banner_ad.jpg
          </xsl:attribute>
          <xsl:attribute name="height">50</xsl:attribute>
          <xsl:attribute name="width">421</xsl:attribute>
          <xsl:attribute name="border">0</xsl:attribute>
        </img>
      </a>
    </td></tr>
  </table>
</xsl:if>
```

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**Hennepin County Library**

## Overview

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ONLINE CATALOG

Search My Account Find a Good Book Ask Us

Overview Items Out Holds Message/Fines Profile PIN


Welcome PHILIP A FEILMEYER

Get your reserve and overdue notices by email  
Sign up for email notification now!

Account Overview

- Items Out** - See and renew currently checked out items  
Checked Out: 22  
Overdue: 4
- Holds** - Items ready to be picked up and waiting to become available  
Requested items ready for pick up: 0  
Requested items not yet available: 3
- Messages/Fines** - Messages, fines and other account information  
Number of Messages/Fines: 20  
Current Balance: \$5.40
- Profile** - See and change address, phone number, email address, PIN and preferences
- PIN** - Change your Personal Identification Number (PIN)

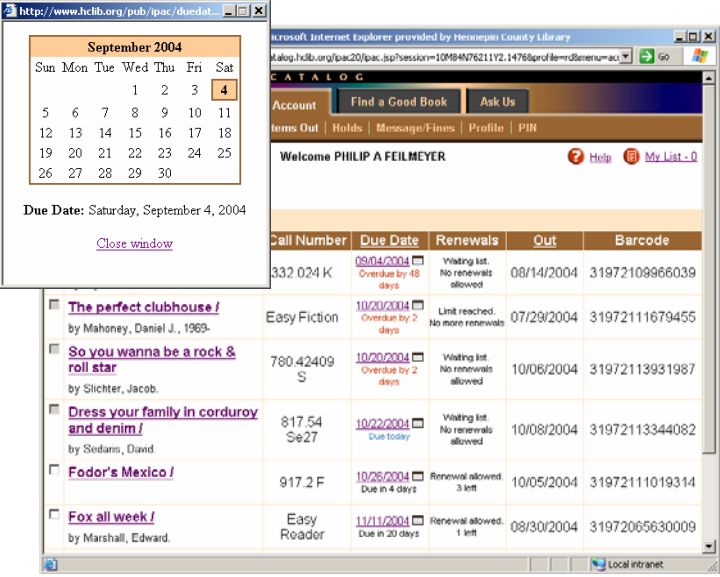
home - hours - library cards - magazine & newspaper list - other mn libraries - feedback




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## Items Out



Call Number	Due Date	Renewals	Out	Barcode
332.024 K	09/04/2004 Overdue by 48 days	Waiting list. No renewals allowed	08/14/2004	31972109966039
<a href="#">The perfect clubhouse /</a> by Mahoney, Daniel J., 1969-	10/20/2004 Overdue by 7 days	Limit reached. No more renewals	07/29/2004	31972111679455
<a href="#">So you wanna be a rock &amp; roll star</a> by Slichter, Jacob.	780.42409 S 10/20/2004 Overdue by 2 days	Waiting list. No renewals allowed	10/06/2004	31972113931987
<a href="#">Dress your family in corduroy and denim /</a> by Sedans, David	817.54 Se27 10/22/2004 Due today	Waiting list. No renewals allowed	10/08/2004	31972113344082
<a href="#">Fodor's Mexico /</a>	917.2 F 10/26/2004 Due in 4 days	Renewal allowed. 3 left	10/05/2004	31972111019314
<a href="#">Fox all week /</a> by Marshall, Edward	Easy Reader 11/11/2004 Due in 20 days	Renewal allowed. 1 left	08/30/2004	31972065630009




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## Items Out Customizations

- Tip: **Items Out** uses the same display elements as **My List**
- Default sort by due date
  - Minor changes to `patronpersonaloptions.xsl` and `toolbar2.xsl`
  - See HCL Extranet for details: <http://www.hclib.org/extranet>
- Color-coded due date note
  - JavaScript added to `patronpersonaloptions.xsl`, plus some minor XSL and CSS changes
  - See HCL Extranet for details




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## Items Out Customizations

- Pop up due date calendar
  - Minor change to [patronpersonaloptions.xml](#) to link to “3<sup>rd</sup> party” calendar application
  - Calendar graphic
- Renewals column
  - Started out fairly easy, based on:
    - Number of renewals (already provided in XML)
    - Number of hold requests on title (new element added to My List display)
  - Feedback from public was immediate and EXTREMELY positive




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## Items Out Customizations

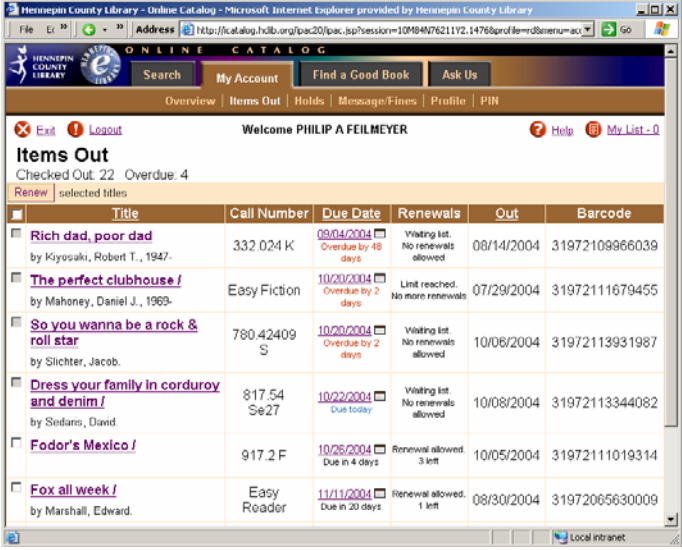
- Renewals column
  - More complicated than we thought
    - Some items are not renewable based on ITYPE
    - Renewals allowed when all hold requests are inactive
    - Item-specific holds vs. first available copy holds
  - Increased complexity resulted in unacceptable delays
  - Settled for “compromise”
    - If there’s a question, assume the item is renewable (HIP will deny renewal with regular error message if it’s not allowed)
    - Works almost all of the time




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## Items Out



Title	Call Number	Due Date	Renewals	Out	Barcode
Rich dad, poor dad by Kiyosaki, Robert T., 1947-	332.024 K	09/04/2004 Overdue by 48 days	Waiting list. No renewals allowed	08/14/2004	31972109966039
The perfect clubhouse / by Mahoney, Daniel J., 1969-	Easy Fiction	10/20/2004 Overdue by 2 days	Limit reached. No more renewals	07/29/2004	31972111679455
So you wanna be a rock & roll star by Slichter, Jacob.	780.42409 S	10/20/2004 Overdue by 2 days	Waiting list. No renewals allowed	10/06/2004	31972113931987
Dress your family in corduroy and denim / by Sedans, David	817.54 Se27	10/22/2004 Due today	Waiting list. No renewals allowed	10/08/2004	31972113344082
Fodor's Mexico /	917.2 F	10/26/2004 Due in 4 days	Renewal allowed. 3 left	10/05/2004	31972111019314
Fox all week / by Marshall, Edward.	Easy Reader	11/11/2004 Due in 20 days	Renewal allowed. 1 left	08/30/2004	31972065630009




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## Renewal Customization XSLT

```

<xsl:choose>
  <xsl:when test="$renewalcode = 'H'">
    Waiting list.<br/>No renewals allowed
  </xsl:when>
  <xsl:when test="$renewalcode = '0'">
    No renewals allowed on this item
  </xsl:when>
  <xsl:otherwise>
    <xsl:choose>
      <xsl:when test="$renewalsleft &lt; 1">
        Limit reached.<br/>No more renewals
      </xsl:when>
      <xsl:otherwise>
        Renewal allowed.<br/>
        <xsl:value-of select="$renewalsleft"/> left
      </xsl:otherwise>
    </xsl:choose>
  </xsl:otherwise>
</xsl:choose>
    
```




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## Renewal Customization XSLT

```

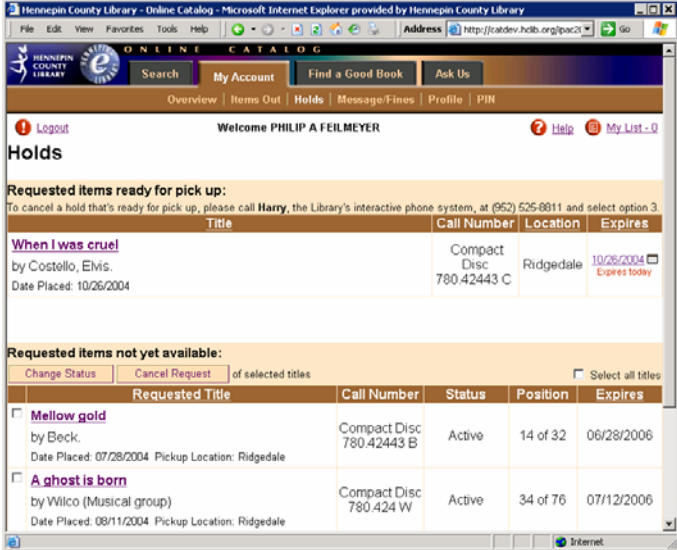
<input>
  <xsl:attribute name="type">checkbox</xsl:attribute>
  <xsl:attribute name="name">renewitemkeys</xsl:attribute>
  <xsl:attribute name="value">
    <xsl:value-of select="holdingkey"/>
  </xsl:attribute>
  <xsl:if test="($renewalcode = 'H') or
    ($renewalcode = '0') or ($renewalsleft = 0)">
    <xsl:attribute name="disabled">true</xsl:attribute>
  </xsl:if>
</input>
    
```



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## Holds




**Requested items ready for pick up:**  
To cancel a hold that's ready for pick up, please call Harry, the Library's interactive phone system, at (952) 525-8811 and select option 3.

Title	Call Number	Location	Expires
<a href="#">When I was cruel</a> by Costello, Elvis. Date Placed: 10/26/2004	Compact Disc 780.42443 C	Ridgedale	10/26/2004 Expires today

**Requested items not yet available:**

Change Status   Cancel Request   of selected titles    Select all titles

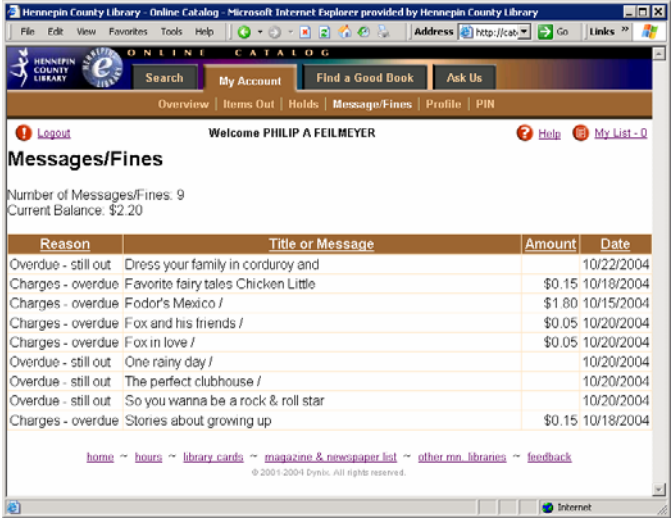
Requested Title	Call Number	Status	Position	Expires
<input type="checkbox"/> <a href="#">Mellow gold</a> by Beck. Date Placed: 07/28/2004 Pickup Location: Ridgedale	Compact Disc 780.42443 B	Active	14 of 32	06/28/2006
<input type="checkbox"/> <a href="#">A ghost is born</a> by Wilco (Musical group) Date Placed: 08/11/2004 Pickup Location: Ridgedale	Compact Disc 780.424 W	Active	34 of 76	07/12/2006




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## Blocks



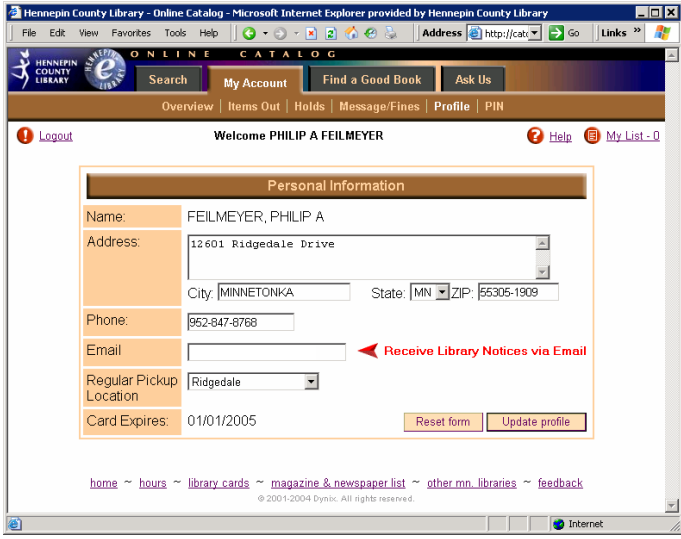
Reason	Title or Message	Amount	Date
Overdue - still out	Dress your family in corduroy and		10/22/2004
Charges - overdue	Favorite fairy tales Chicken Little	\$0.15	10/18/2004
Charges - overdue	Fodor's Mexico /	\$1.80	10/15/2004
Charges - overdue	Fox and his friends /	\$0.05	10/20/2004
Charges - overdue	Fox in love /	\$0.05	10/20/2004
Overdue - still out	One rainy day /		10/20/2004
Overdue - still out	The perfect clubhouse /		10/20/2004
Overdue - still out	So you wanna be a rock & roll star		10/20/2004
Charges - overdue	Stories about growing up	\$0.15	10/18/2004



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## Profile



Personal Information

Name: FEILMEYER, PHILIP A

Address: 12601 Ridgedale Drive

City: MINNETONKA State: MN ZIP: 55305-1909

Phone: 952-847-8788

Email:  ← Receive Library Notices via Email

Regular Pickup Location: Ridgedale

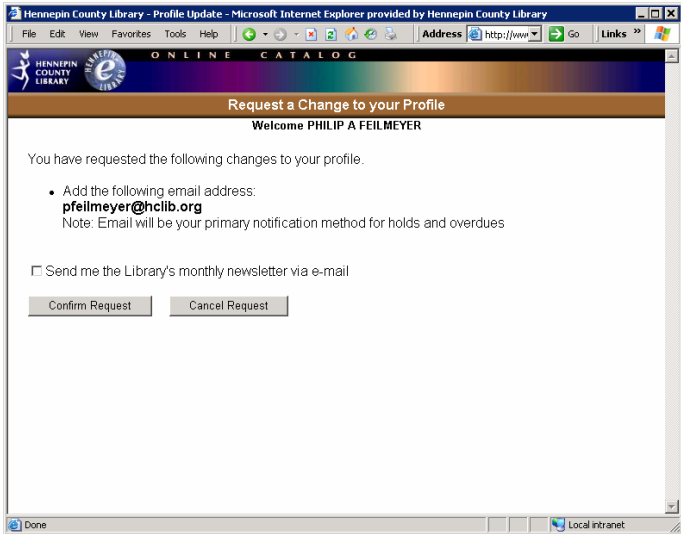
Card Expires: 01/01/2005

# Enhancing "My Account" Through Advanced XSL Stylesheet Editing

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## Profile



The screenshot shows a web browser window titled "Hennepin County Library - Profile Update - Microsoft Internet Explorer provided by Hennepin County Library". The address bar shows "http://www.hclib.org/pub/". The page content includes the Hennepin County Library logo, the text "ONLINE CATALOG", and a heading "Request a Change to your Profile" with a sub-heading "Welcome PHILIP A FEILMEYER". Below this, it states "You have requested the following changes to your profile." and lists a single change: "Add the following email address: pfeilmeyer@hclib.org". A note specifies that this email will be the primary notification method for holds and overdues. There is an unchecked checkbox for "Send me the Library's monthly newsletter via e-mail" and two buttons: "Confirm Request" and "Cancel Request".

You have requested the following changes to your profile.


- Add the following email address:  
**pfeilmeyer@hclib.org**  
Note: Email will be your primary notification method for holds and overdues

Send me the Library's monthly newsletter via e-mail

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## Profile



The screenshot shows a web browser window titled "Hennepin County Library - Profile Update - Microsoft Internet Explorer provided by Hennepin County Library". The address bar shows "http://www.hclib.org/pub/". The page content is identical to slide 28, but the change listed is "Change the mailing address as follows:". Below this, there are two text boxes: "Old:" containing "12601 RIDGEDALE DRIVE MINNETONKA, MN 55305-1909" and "New:" containing "935 ENGLEWOOD AVE. ST PAUL, MN 55104". The "Confirm Request" and "Cancel Request" buttons are also present.

You have requested the following changes to your profile.

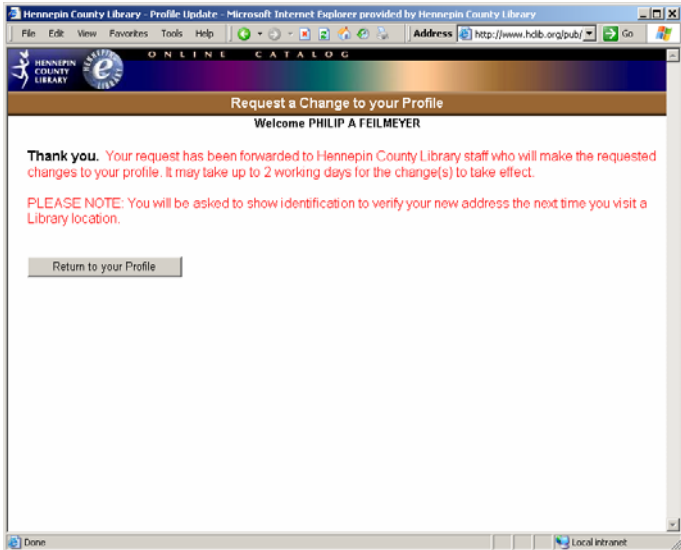
- Change the mailing address as follows:  
Old: 12601 RIDGEDALE DRIVE  
MINNETONKA, MN 55305-1909  
New: 935 ENGLEWOOD AVE.  
ST PAUL, MN 55104

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## Profile



Hennepin County Library - Profile Update - Microsoft Internet Explorer provided by Hennepin County Library

Address: http://www.hclib.org/pub/

ONLINE CATALOG

Request a Change to your Profile


Welcome PHILIP A FEILMEYER

**Thank you.** Your request has been forwarded to Hennepin County Library staff who will make the requested changes to your profile. It may take up to 2 working days for the change(s) to take effect.

**PLEASE NOTE:** You will be asked to show identification to verify your new address the next time you visit a Library location.

[Return to your Profile](#)

Done Local Intranet

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## Profile Customization XSLT

- Insert a new `<form>` into the `patroninfo` template in `patronpersonalresponse.xml`

```
<xsl:template match="patroninfo">
  ...pre-form XSLT...
  <form>
    <xsl:attribute name="name">validation</xsl:attribute>
    <xsl:attribute name="action">
      http://www.hclib.org/pub/ipac/updatePatronInfo.cfm
    </xsl:attribute>
    <xsl:attribute name="method">post</xsl:attribute>
    <xsl:attribute name="onSubmit">return postselect()</xsl:attribute>

    ...custom XSLT for the HTML form...

  </form>
  ...post-form XSLT...
</xsl:template>
```

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## Profile Customization XSLT

- “Disable” the regular `<form>` in `patronpersonalresponse.xml` (the root stylesheet)

```
<form>
  <xsl:attribute name="name">ipac</xsl:attribute>
  <xsl:attribute name="method">POST</xsl:attribute>
  <xsl:attribute name="action"><xsl:value-of select="$host"/></xsl:attribute>
  <input>
    <xsl:attribute name="type">hidden</xsl:attribute>
    <xsl:attribute name="name">session</xsl:attribute>
    <xsl:attribute name="value"><xsl:value-of select="session"/></xsl:attribute>
  </input>
  <input>
    <xsl:attribute name="type">hidden</xsl:attribute>
    <xsl:attribute name="name">profile</xsl:attribute>
    <xsl:attribute name="value"><xsl:value-of select="//profile"/></xsl:attribute>
  </input>

  <xsl:apply-templates select="toolbar"/>
  <xsl:apply-templates select="RPA"/>
  <xsl:call-template name="footer"/>
</form>
```

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LIBRARIES CHANGE LIVES THROUGH LIFELONG LEARNING

## Profile Customization XSLT

- “Disable” the regular `<form>` in `patronpersonalresponse.xml` (the root stylesheet)

```
<xsl:choose>
  <xsl:when test="/patronpersonalresponse/active_aspect = 'info'">
    <form>
      <xsl:attribute name="name">ipac</xsl:attribute>
      <xsl:attribute name="method">POST</xsl:attribute>
      <xsl:attribute name="action">
        <xsl:value-of select="$host"/>
      </xsl:attribute>
    </form>

    <xsl:apply-templates select="toolbar"/>
    <xsl:apply-templates select="RPA"/>
    <xsl:call-template name="footer"/>

  </xsl:when>
  <xsl:otherwise>
    ...use the regular XSLT code...
  </xsl:otherwise>
</xsl:choose>
```

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## Profile Customization XSLT

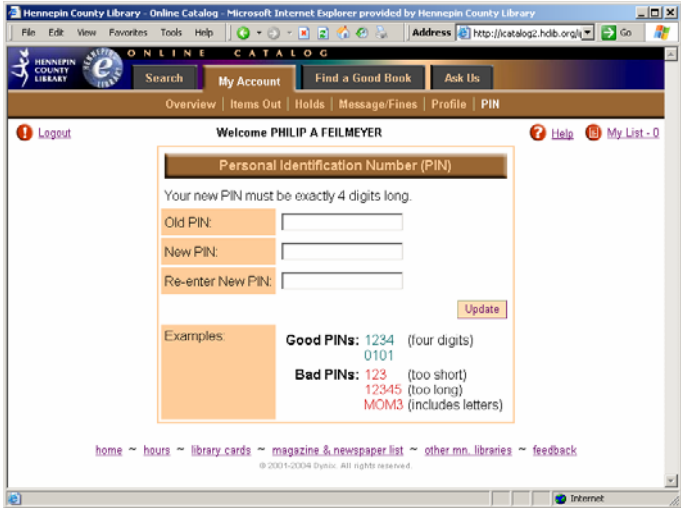
- Within a stylesheet or template, there needs to be a completed pair of <form></form> tags
- Can't have a <form> within another <form>  

```
<form name="ipac">  
...  
  <form name="validation">  
    ...  
  </form>  
  ...  
</form>
```
- Need to keep the "ipac" form to avoid JavaScript errors

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## PIN



Examples:

<b>Good PINs:</b>	1234 (four digits)
	0101
<b>Bad PINs:</b>	123 (too short)
	12345 (too long)
	MOM3 (includes letters)

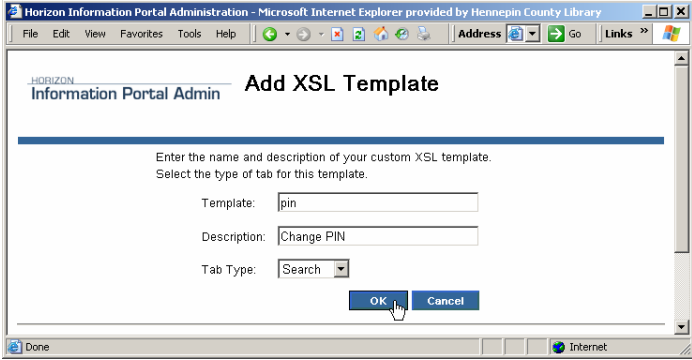
home ~ hours ~ library cards ~ magazine & newspaper list ~ other mn. libraries ~ feedback

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**PIN**

- Add a custom template record to the Admin Database using the Admin Tool



Horizon Information Portal Administration - Microsoft Internet Explorer provided by Hennepin County Library

File Edit View Favorites Tools Help Address Go Links

Information Portal Admin **Add XSL Template**

Enter the name and description of your custom XSL template.  
Select the type of tab for this template.

Template:

Description:

Tab Type:

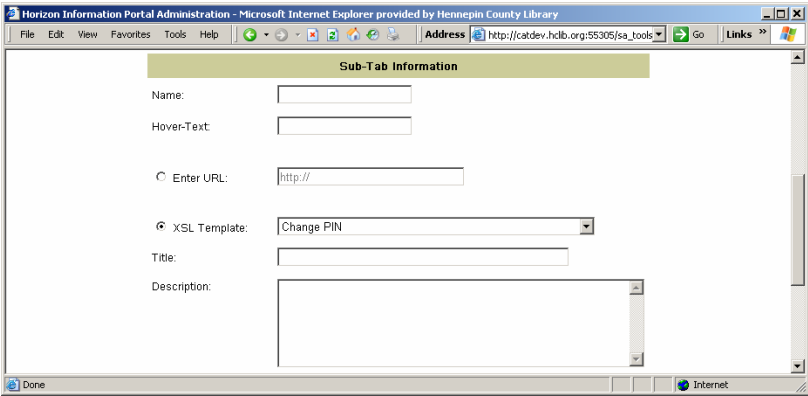
OK Cancel

Done Internet

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**PIN**

- Create a new subtab in the tabset using the newly created template



Horizon Information Portal Administration - Microsoft Internet Explorer provided by Hennepin County Library

File Edit View Favorites Tools Help Address http://catdev.hclib.org:55305/sa\_tool; Go Links

**Sub-Tab Information**

Name:

Hover-Text:

Enter URL:

XSL Template:

Title:

Description:

Done Internet

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- Create the template in the `patronpersonaloptions.xsl` stylesheet

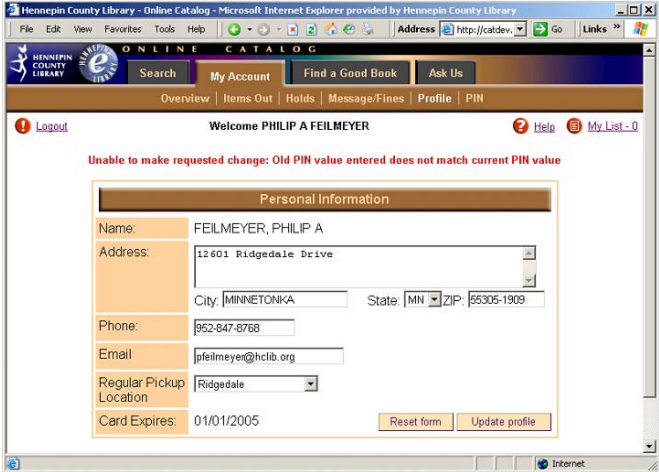
```
<xsl:template match="pin">
<!--
*****
PIN - pf created to separate PIN from Profile
*****
-->
<!-- Change PIN -->

<center>
<table>
  <xsl:attribute name="cellpadding">0</xsl:attribute>
  <xsl:attribute name="cellspacing">0</xsl:attribute>
  ...
</table>
</center>
</xsl:template>
```

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### PIN Error Message Customization



The screenshot shows a web browser window displaying the Hennepin County Library Online Catalog. The user is logged in as PHILIP A FEILMEYER. A red error message is displayed: "Unable to make requested change: Old PIN value entered does not match current PIN value". Below the error message is a "Personal Information" form with fields for Name, Address, City, State, ZIP, Phone, Email, Regular Pickup Location, and Card Expires. The "Update profile" button is visible at the bottom right of the form.

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## PIN Error Message Customization


```
<xsl:for-each select="//patroninfo/message/reason">
  <xsl:if test="contains(., 'does not match current PIN')">
    <a>
      <xsl:attribute name="class">
        <xsl:value-of select="$css_bold_black_font1"/>
      </xsl:attribute>
      NOTE: If you have been using the last four digits
      of your phone number<br/>
      as a PIN, leave the "Old PIN" box empty when you
      change your PIN
    </a>
  </xsl:if>
</xsl:for-each>
```

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## PIN Error Message Customization

The screenshot shows a web browser window displaying the Hennepin County Library online catalog. The page title is "Hennepin County Library - Online Catalog - Microsoft Internet Explorer provided by Hennepin County Library". The browser address bar shows "http://catdev.". The page content includes a navigation bar with "Search", "My Account", "Find a Good Book", and "Ask Us". Below the navigation bar, there is a "Logout" link and a "Welcome PHILIP A FEILMEYER" message. A red error message states: "Unable to make requested change: Old PIN value entered does not match current PIN value". Below the error message, a note reads: "NOTE: If you have been using the last four digits of your phone number as a PIN, leave the 'Old PIN' box empty when you change your PIN". The main content area is titled "Personal Information" and contains a form with the following fields: Name (FEILMEYER, PHILIP A), Address (12601 Ridgedale Drive), City (MINNETONKA), State (MN), ZIP (55305-1909), Phone (952-847-8768), Email (pfeilmeyer@hclib.org), Regular Pickup Location (Ridgedale), and Card Expires (01/01/2005). There are "Reset form" and "Update profile" buttons at the bottom of the form.



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[www.hclib.org](http://www.hclib.org)

## Customizing HIP:

Enhancing "My Account" Through  
Advanced XSL Stylesheet Editing

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PowerPoint Slides: [www.hclib.org/extranet](http://www.hclib.org/extranet)

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