Rosetta
Requirements gathering - experiences

Robert Bley, Managing Director, Ex Libris UK
The original requirement / the story of Rosetta

• Jan 2007 – Contract date
• Mar 2008 – Specification review
• Oct 2008 – Beta launch of Rosetta V1.0
• Feb 2009 – Switch to production with Rosetta V1.0
• Mar 2010 – Upgrade to Rosetta V2.0
Digitally-born collections

Ensure the library stays relevant in the digital era
National Library of New Zealand Web Site Harvest
About this webspace

This webspace is hosted by the NDHA Business Unit as a convenient source of information about the National Digital Heritage Archive and digital preservation at the National Library of New Zealand. We regularly add new content here so bookmark this webspace.

News and updates

Format Library Information for DP Community

We believe that the information contained in this workbook may be of interest to other members of the digital preservation community. This Format Library information includes:

- what technical metadata extractors we use and what formats we use them for,
- the technical fields we extract for each format and how we normalise them, and
- the associations we have made between formats and applications.
OAIS Model

OAIS Functional Entities
OAIS compliant system – Rosetta

Manual / Automatic

Deposit

SIP

Preservation

Management

Working Area

Operational Repository

AIP

Permanent Repository

Search Tools (Primo)

Publishing

Delivery

DIP

DIP

DIP
Rosetta customers around the world
Rosetta Solutions – Community Knowledge Base

- Library of formats with metadata and extraction tools
- Based on PRONOM global library
- Formats associated to applications and risks
- Supports integration with a global library
- Auto update format library with each SW version
- Format Library Working Group (FLWG)
Collaboration - Rosetta Advisory Group

Key to this evolving domain
Directly involved

- PrestoPRIME
- SCAPE
- PREMIS
- JHOVE2
- PASIG
- NISO
Indirectly involved

- Planets
- Blue Ribbon Task Force
- GDFR ➤ UDFR
- Caspar
- SHAMAN
- APARSEN
- METS
- Europeana
- TRAC
User Group / voting

NERS - ExLibris Product Enhancement Request Voting System

your session has expired

LOGIN

Username: 
Password: 

submit

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Dealing with incoming requests

- Customers create the requirement, preferably using use cases
- The requirements are organized based on areas in the product (ingest, processing etc.) and combined when applicable (two similar requirements can be one…)
- An Ex Libris Business Analyst creates a High Level Design (HLD) document
- In some cases the HLD is shared with customers for another validation
- If the requirement is complex, we will use methodological design and analysis
- If the requirement is simple – we just write a statement about what needs to be changed/added and that's all.
Requirement added to JIRA system...

Add CAPTCHA to self registration

Details

Type: Improvement
Priority: High
Affects Version/s: 2.0
Component/s: Deposit
Labels: None
Rosetta Customer: 64NLNZ
Customer Referen... CR-54
Release Notes Co... In order to enhance the security of Rosetta and prevent automatic creation of users, CAPTCHA was added to the self registration form.

Description

We've agreed to provide an option to use a CAPTCHA to self registration.

Attachments

- CAPTCHA.doc 117 kB 19/Dec/10 5:15 PM
- CAPTCHA support - Functional Specification Design.doc 292 kB 30/Jan/11 12:09 PM
- rosetta_captcha.png 19 kB 20/Feb/11 5:42 PM
- rosetta_captcha2.png 18 kB 14/Feb/11 10:23 AM
JIRA tracks meetings / decisions by Product Manager and the developers...

### Sub-Tasks

1. **DD-Add Captcha**
   - Status: Closed
   - Assigned to: Aliza Tubul
   - Resolution: 2.2

2. **Integrate captcha to self registration**
   - Status: Closed
   - Assigned to: Tomer Yatskan
   - Resolution: 2.2

3. **Deposit self registration Captcha enhancement**
   - Status: Closed
   - Assigned to: Tomer Yatskan
   - Resolution: 2.2

4. **Deposit self registration Captcha UI design**
   - Status: Closed
   - Assigned to: Yair Brama
   - Resolution: 2.2

5. **Documentation Update Task (Producers Guide)**
   - Status: Resolved
   - Assigned to: Tamara Friedman
   - Resolution: 2.2

### Activity

<table>
<thead>
<tr>
<th>All</th>
<th>Comments</th>
<th>Work Log</th>
<th>History</th>
<th>Version Control</th>
<th>Activity</th>
<th>Transitions Summary</th>
<th>Remote Attachments</th>
<th>Subversion</th>
</tr>
</thead>
</table>

- **Tomer Yatskan** added a comment - 09/Dec/10 2:08 PM
  
  need design

- **Nir Shenwinter** added a comment - 09/Dec/10 2:12 PM
  
  Hi Yair,
  
  Please write a small design which includes screen shot and error messages and attach it to the Jira task. When finished assign it back to Tomer.
  
  Thanks!

- **Yair Brama** added a comment - 19/Dec/10 5:14 PM
  
  Attached is a document that is a basis for the spec. The spec will be added.

- **Josh Weisman** added a comment - 14/Feb/11 10:23 AM - edited
  
  Results of today’s meeting:
  
  1. According to Carmit’s recommendation to keep it accessible, we will implement reCaptcha
  2. Should be customized to look like her mockup (see attached), but not in a pop-up. Use customization instructions.
  3. Will add a general parameter (true/false) to control whether CAPTCHA is displayed. Default true
  4. Deposit module needs access to Internet (Google servers) for CAPTCHA to work. This should not be a limitation since the use case here is self-registration, which is used from the public Internet

- **Josh Weisman** added a comment - 20/Feb/11 5:41 PM
  
  From Carmit:
  
  <div id="captcha_widget">
Rosetta

CAPTCHA support in Deposit Registration

Functional Specification Design (HLD)
The following actions should be supported:

- New - In case the user is not able to recognize the characters, the system will generate a new image with different characters.
- Help - In case the user pressed the "Help" action, a new screen tab will open with the following text:

"How do I enter the characters in the picture?
We ask you to enter the letters and numbers in a picture when we need to make sure that a person, not an automated program, is trying to register as a Producer. The characters are drawn so that it's possible for a person to recognize them, but very difficult for a program to. This helps us prevent automated programs from creating large numbers of accounts and abusing the system.
To enter the characters,
Look at the characters and enter what you see in the box. To see a different set of characters, click New.
For example:

<table>
<thead>
<tr>
<th>Picture type</th>
<th>Tip</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Enter both lines of characters, beginning with the top line, no spaces.</td>
</tr>
<tr>
<td></td>
<td>The solution is C9X3XHEC9XF</td>
</tr>
<tr>
<td></td>
<td>Enter the characters, ignoring the tear.</td>
</tr>
<tr>
<td></td>
<td>The solution is CFS35F1C</td>
</tr>
</tbody>
</table>

Notes:
The letters aren't case-sensitive, so you can type them as either uppercase or lowercase.
Don't type spaces between the characters, even if you're entering characters for more than one picture.
If you type the characters incorrectly, click New to see a new set of characters.

3.2 Error Handling
In case the user failed to enter the right characters, the following error message should appear, on top the CAPTCHA image:

The characters didn't match the picture. Please try again.
The other error messages should appear as they appear today (on the left top of the screen).
Testing, feedback, testing, release....
Thank You!