

# Auto Verification

Library Technology Conference

Paul Swanson

March 19th, 2014

Lender:

DO NOT REMOVE THIS SLIP!

Borrower:



Responder Req. No.: 12984000

Requester Req. No.: 12975714

Minitex: MII01

Printed Date: 01-AUG-2011

Need By: 24-JAN-2012

average 1000 requests/day

Title: Dance teaching methods and curriculum design

Author/Article Author: Kassing, Gayle, Jay, Danielle M. (Danielle Mary), 1947-

Volume

Article

staff can search 30-45 requests/hour in OCLC

Publisher Info: Human Kinetics; Champaign, IL; c2003.

ISBN/ISSN: 0736002405

Due Date:

Edition:

Description: x, 421 p. : ill. ; 29 cm.

Copyright Compliance:

Call Number: N/A

Database/#: Cooperating Libraries in Consortium (CLIC) IN/OTHC DEN 20021205

Request Notes:

30 hours/day searching OCLC

Pickup Location: Ada Public Library

Barcode:



# Solution

We decided to automate the process of searching OCLC for libraries that can fill interlibrary loan requests.

The program that we built uses the OCLC Worldcat search web service to locate the libraries that can fill the request.

# Auto Verification

## Steps

Step 1 - Extract identifying numbers from each request

- UPC, ISBN, LCN, OCLC

Step 2 - Send the identifying number to OCLC's Search web service to retrieve locations that hold the requested item

Step 3 - Sort the returned locations by our own internal referral priority list, and print the locations out on the request

# Step 1 - Extract Identifying Numbers

## Original Request

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**Minitex:** MII01

**Printed Date:** 01-AUG-2011

**Need By:** 24-JAN-2012

**Requester|Req. No.:** 12975714

**Requesting Library:** LAL - Moorhead Public Library: LAL01

**Last Action:** Answer Will Supply

**Expiration Date:**

---

**Title:** Dance teaching methods and curriculum design

**Author/Article Author:** Kassing, Gayle., Jay, Danielle M. (Danielle Mary), 1947-

**Volume/Issue:**

**Article Date:**

**Pages:**

**Article Title:**

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**Copyright Compliance:**

**Call Number:** N/A

**Database/#:** Cooperating Libraries in Consortium (CLIC)/INNOPAC LCN: 2002012685

**Request Notes:**

**Pickup Location:** Ada Public Library

**Barcode:**



# Step 1 - Extract Identifying Numbers

□Lender: DO NOT REMOVE THIS SLIP! Borrower:  
Responder Req. No.: 12984000 Requester Req. No.: 12975714  
Minitex: MII01 Requesting Library: LAL - Moorhead Public Library: LAL01  
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Need By: 24-JAN-2012 Expiration Date:  
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Barcode:

# Step 2 - Retrieve Locations

URL to lookup locations through Search web service

```
http://www.worldcat.org/webservices/catalog/content/libraries/isbn/0736002405/?wskey=<key>&format=json&servicelevel=full&frbrGrouping=off
```

- frbrGrouping=on will return records of all different media types
- frbrGrouping=off will return the record of only the requested media type

# Step 2 - Retrieve Locations

Returned JSON from Search web service

```
{
  "title": "Dance teaching methods and curriculum design",
  "author": "Kassing, Gayle.",
  "publisher": "Human Kinetics",
  "date": "c2003.",
  "ISBN": [
    "0736002405",
    "9780736002400"
  ],
  "OCLCnumber": "50339472",
  "library": [
    {
      "institutionName": "University of Minnesota, Minneapolis",
      "streetAddress1": "499 WILSON LIBR",
      "streetAddress2": "309 19TH AVE S",
      "city": "MINNEAPOLIS",
      "state": "MN",
      "country": "United States",
      "postalCode": "55455",
      "opacUrl": "http://www.worldcat.org/wcpa/oclc/50339472?page=frame&url=http%3A%2F%2Fumnlb.oit.umn.edu%2FFF%3Ffunc%3Dfind-
b%26find_code%3Disbn%26l_base%3Dtcnecat%26request%3D0736002405%26checksum%3D87d628329a9863ead462f6a93360b8bd&title=University+o
f+Minnesota%2C+Minneapolis&linktype=opac&detail=MNU%3AUniversity+of+Minnesota%2C+Minneapolis%3AARL Library&app=wcapi&id=MII-Minitex",
      "oclcSymbol": "MNU",
      "distance": "0.24"
    },
    ... many more locations ....
  ]
}
```



# Step 3 - Sort Locations

- Returned locations from OCLC are in proximity order
- We re-sort that list against our own referral priority list:

MNU  
NOW  
MUC  
WRF  
MNO  
GZU  
NIU  
WIS  
IOE  
GZM  
NUI  
IOP  
IOK  
... more



MNU  
NOW  
MNO  
MUC  
NDM  
NMI  
GZM  
WII  
GZU  
GZT  
WRF  
WIS

# Original Request

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# Verified Request

50339472

NOW  
MNO  
MUC  
NDM  
NMI

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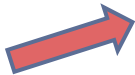


GZM  
GZM

DIRECT  
WII  
GZU  
GZT  
WRF  
WIS

MNU

Barcode:



# Outcomes

- Time Savings
  - What used to take about 30 hours of staff time now takes about 5 minutes.
  - 61% of our ILL requests are now auto-verified.
- Staffing Savings
  - Overall 30% reduction in student staff.

**Questions...**