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Koha ILS: why do you consider to adopt it for your library?

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National Seminar on
Cross-talk of Digital Resources Management:
step towards digital Bangladesh



OPEN-SOURCE INTEGRATED LIBRARY SYSTEM

Why do you consider to adopt it for your library?

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Saturday, 22 August 2015
CIRDAP, Dhaka

Bangladesh Association of Librarians, Information Scientists and Documentalists (BALID)

Topics to be Covered

- What is Koha?
- What is Open Source Software?
- Why Open Source Software Koha?
- Software Requirements
- Hardware Requirements
- Standards Supports
- Koha Modules
- Koha Feature Overview

What is Koha?

- Full-featured world's first Open Source Integrated Library System (ILS)
- Katipo Communications with Horowhenua Library Trust (HLT), 1999-2000
- Development steered by a team of volunteers from around the globe

What is Open Source Software?

- “Open Source” refers to software that is free
- Original source code included
- Developer or distributor may charge for technical support
- Quality, not profit drives and personal pride
- Simple usage no vendor lock

Why Open Source Koha?

- Cost-effective
- Innovation and development
- Ability to tailor to fit local needs
- Reliable, mature and sustainable
- Features that would be expected in an ILS
- Bibliographic standards and protocols

Why Open Source Koha? (cont…)

- Reputable user community for support
- Better usage and distribution option
- Library 2.0 technology
- Multilingual and translatable
- Motivate and encourage staff to creativities

Software Requirements

- Linux (Deb based, i.e. Debian/Ubuntu; RPM based, i.e OpenSuse/RedHat)
- Apache web server
- MySQL database server
- Different Perl packages
- Zebra indexing software
- yaz packages for Z39.50 and
- latest Koha itself.

Hardware Requirements

- Koha can run on any standard desktop, laptop, or server.
- Configuration based on the size and amount of data
- User load also effects
- OSS are extremely scalable, so the more data and transaction the more the power.
- Server used for IUB Library-
- Intel Xeon Processor, 2.0GHZ Clock, 4X4GB RDIMM, 2X300GB SAS + 4X2TB HDD, 8 Hot-swap Hard Drives Bays, and Quad Port 1GB Network daughter card is preferable configuration

Standards supports

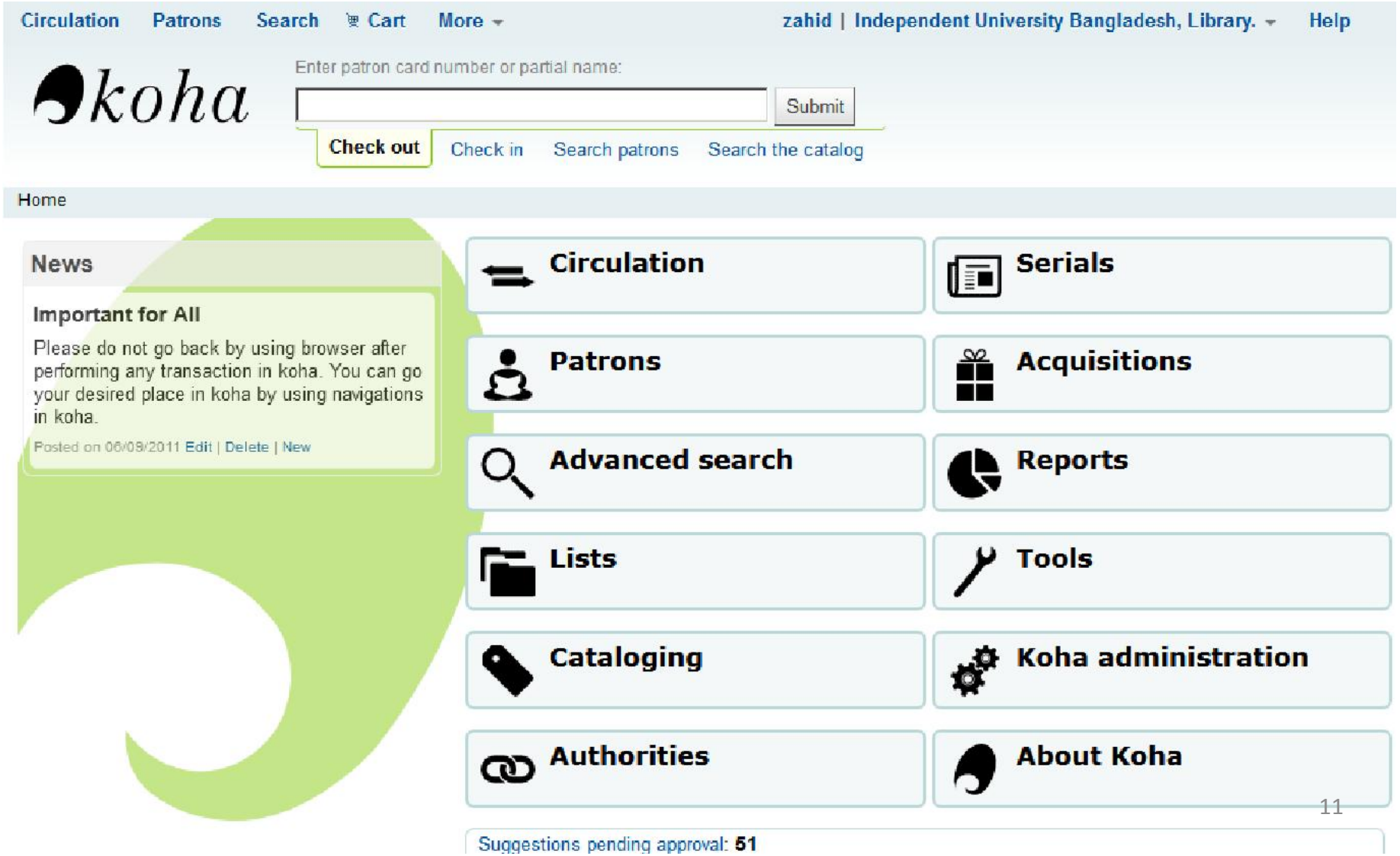
Koha supports a wide range of standards including:

- MARC21
- UNIMARC
- MARCXML
- Dublin Core
- MODS
- RSS
- Atom
- RDF-DC
- SRW-DC
- OAI-DC
- SIP2
- OpenURL
- EDIFACT
- RDA
- LDAP
- Shibboleth

Koha Modules

- Acquisition
- Cataloging
- Patron Management
- Circulation
- Serial control
- Report
- OPAC

Koha - Home


Circulation
Patrons
Search
Cart
More
zahid | Independent University Bangladesh, Library.
Help
koha
Enter patron card number or partial name:
Submit
Check out
Check in
Search patrons
Search the catalog
Home
News
Important for All
Please do not go back by using browser after performing any transaction in koha. You can go your desired place in koha by using navigations in koha.
Posted on 06/09/2011 Edit | Delete | New
Circulation
Serials
Patrons
Acquisitions
Advanced search
Reports
Lists
Tools
Cataloging
Koha administration
Authorities
About Koha
Suggestions pending approval: 51

Koha Feature Overview

- OPAC/Public Catalog
  - Keyword and advanced searching
  - Search filtering by location, item type, subjects and more
  - Cover images from over 5 popular services
  - Enhanced OPAC content from external products

Koha Feature Overview (cont.)

- OPAC/Public Catalog
  - Tagging, commenting
  - Availability and online resource links shown on search results
  - Virtual shelf browser
  - Social network share buttons
  - Permanent URLs throughout
  - Overdrive API Integration

OPAC – search result

koha | Cart | Lists | Welcome, Dr. Md. Zahid Hossain Shoeb | Search history [x] | Log out

Search | Library catalog | cultural anthropology | Go

Advanced search | Authority search | Tag cloud | Subject cloud | Most popular | Purchase suggestions

Home › Results of search for 'kw,wrdl: cultural anthropology'

Refine your search

Availability

Limit to currently available items.

Authors

Haviland, William A. (2)
Keesing, Roger M. (1)
Kottak, Conrad Phillip (2)
Lamb, Sarab (1)
Stafford, Charles (1)
Show more

Item types

Books (20)
Book's CD/DVD (1)

Your search returned 20 results.

Did you mean: Search also for broader subjects | Search also for related subjects | Search also for narrower subjects

Unhighlight | Relevance

Select all | Clear all | Select titles to: Add to... | Save | Place hold

1. **Key Concepts in Social and Cultural Anthropology**
by Rapport, Nigel; Overing, Joanna.
Edition: 1st ed.
Material type: Book; Format: print ; Literary form: not fiction ; Audience: General;
Publisher: London : Routledge, 2004
Availability: **Items available for loan: Independent University Bangladesh, Library. [306 R221k] (1).**
Save to Lists | Add to cart



2. **The Psychology of Cultural Experience**
by Moore, Carmella C; Mathews, Holly F (editors).



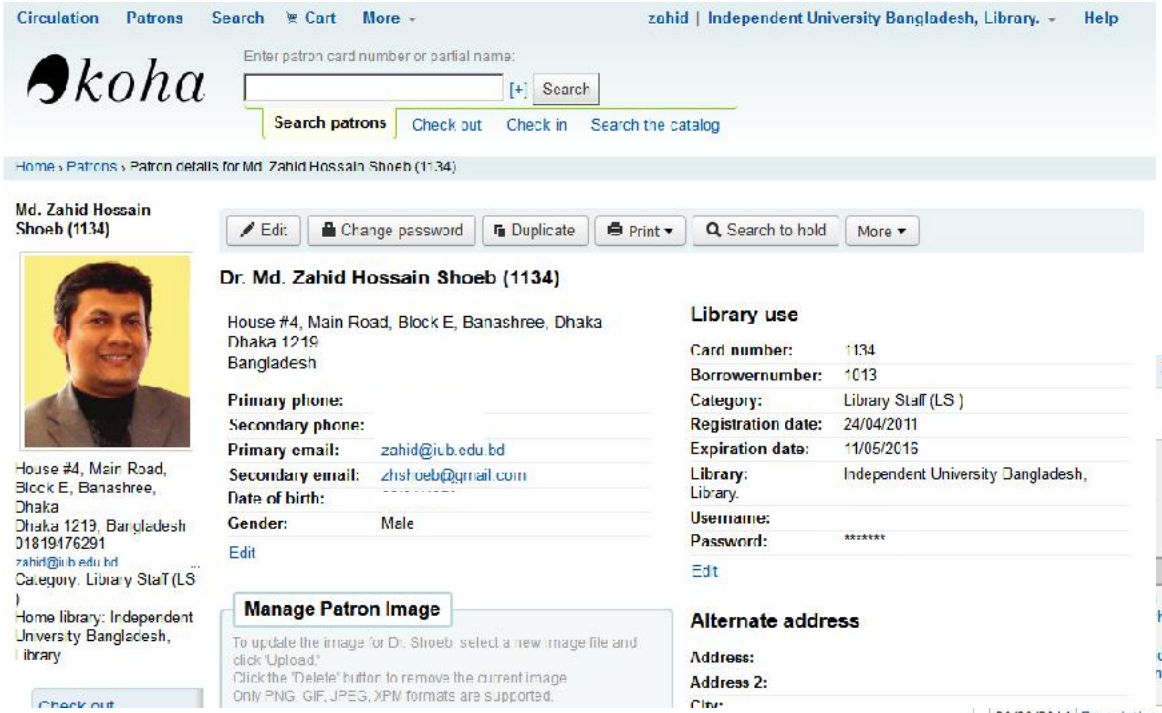
Koha Feature Overview (cont…)

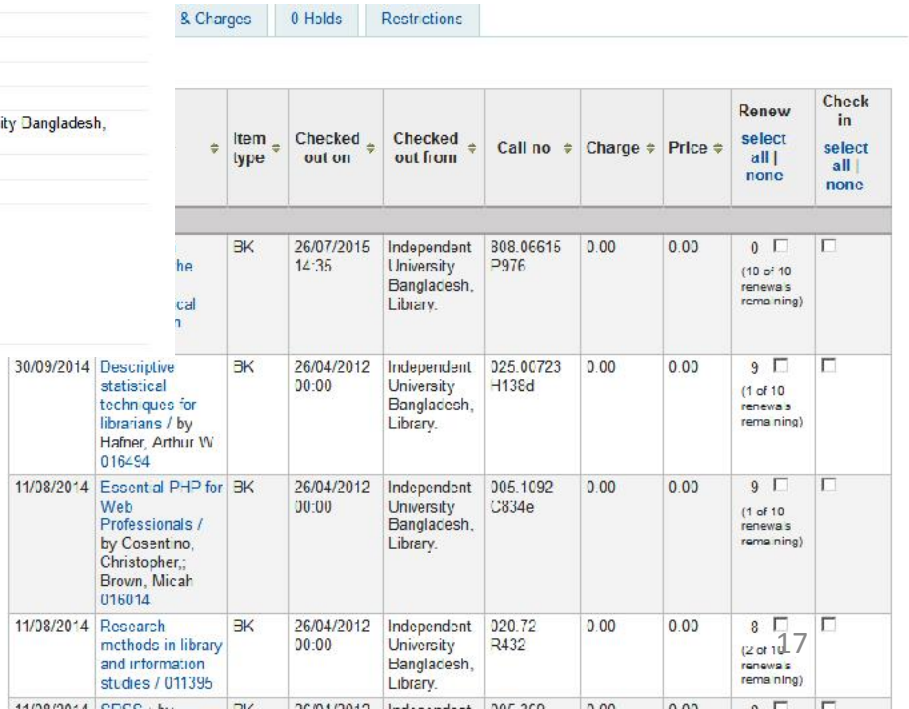
- OPAC/Public Catalog
  - Personalized patron experience: Ability to place, suspend and cancel holds
    - List of current and past checkouts
    - Account history (fines and payments)
    - Private lists
    - Online registration for membership
    - Access to account information
    - Subscribe/Unsubscribe to/from library notices via email, SMS and/or phone
    - Make purchase suggestions

Koha Feature Overview (cont.)

- Circulation
  - Check in and check out
  - Enter calendar of closings for calculating fines and due dates
  - Ability to forgive fines on check in
  - Course reserves
  - Offline circulation for Windows and/or Firefox

Circulation





Koha Feature Overview (cont.)

- Circulation
  - Place, suspend and cancel holds for patrons
  - Transfer materials between branches
  - Set circulation, fine and holds rules for each branch
  - Perform collection inventory
  - Checkout by keyword, title, call number, etc

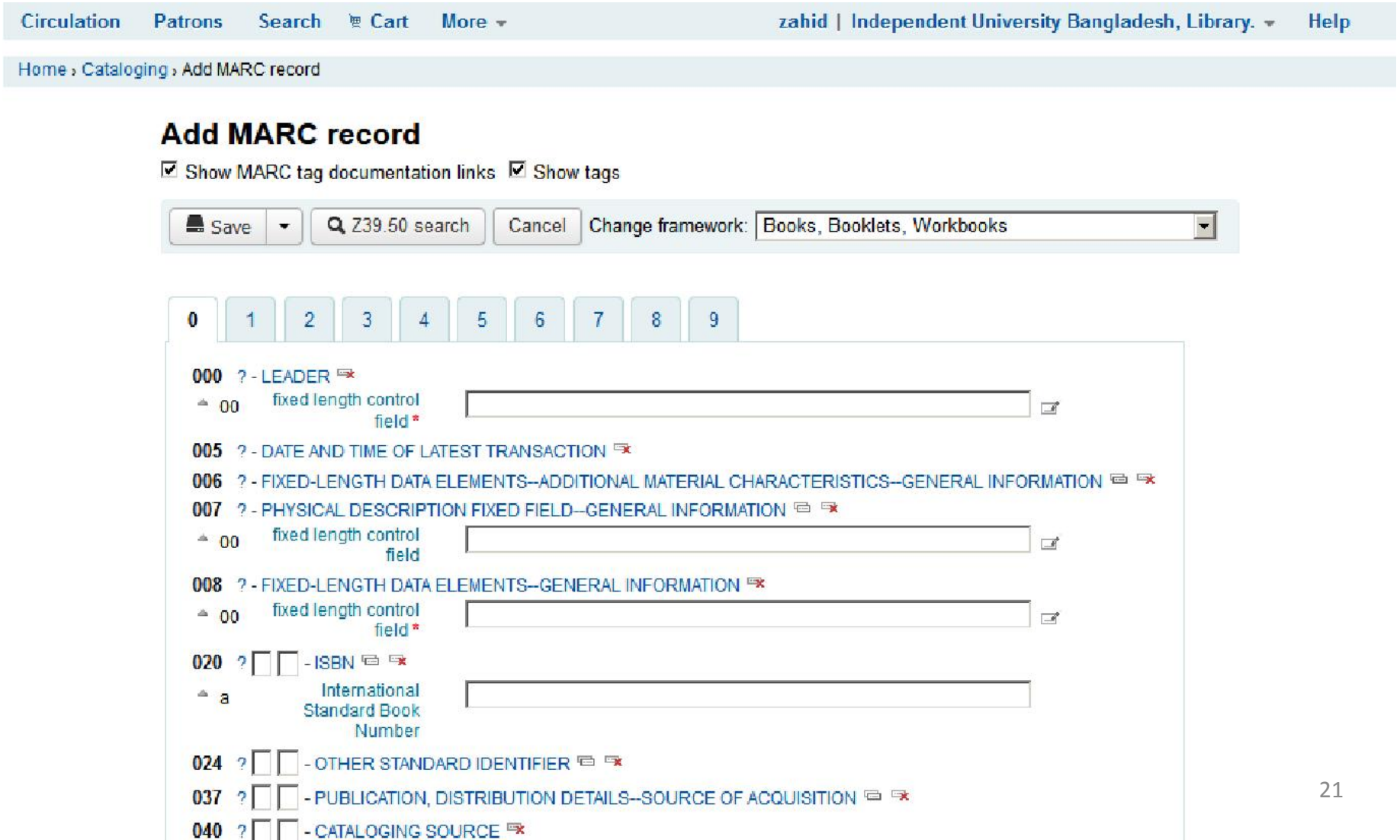
Koha Feature Overview (cont.)

- Patrons
  - Upload patrons in bulk
  - Upload patron images individually or in bulk
  - Create patron cards
  - Batch modify patrons
  - Run reports on circulation custom to your library
  - Search patrons by phone, email address, name and more
  - Browse patrons by name

Koha Feature Overview (cont.)

- Cataloging
  - Batch uploading of bibliographic and authority records
  - Copy cataloging with built in Z39.50 search engine
  - Original cataloging
  - Add, modify, and delete items individually or in a batch

Cataloguing



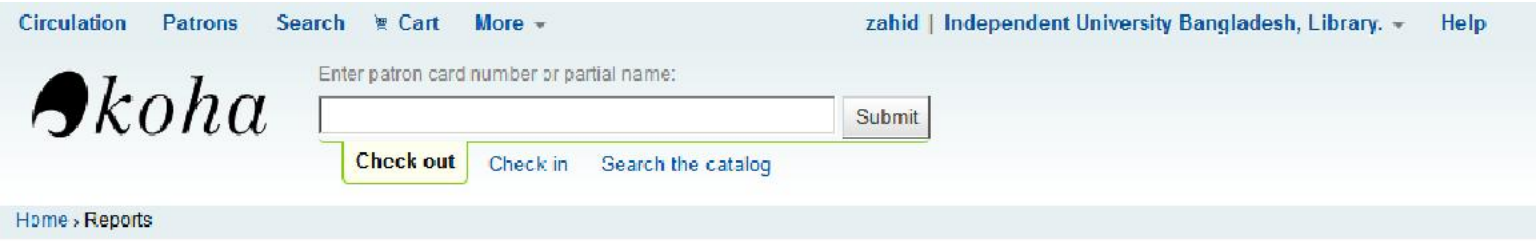
Koha Feature Overview (cont.)

- Cataloging
  - Add and link to authority records
  - Catalog following AACR2 or RDA rules
  - Create custom cataloging templates with pre-set values for efficient cataloging
  - Built in links to Library of Congress cataloging help
  - Create spine and barcode labels
  - Create public lists of records at the library

Koha Feature Overview (cont.)

- Reports
  - Complete access to all data stored in Koha
  - Custom reports shared publicly on the Koha wiki
  - Easily run any saved report at any time
  - Group reports by branch, category or any custom criteria
  - Filters on specific item types, branches, patron categories, time frames and so much more

Report



Reports

Guided reports

- Guided reports wiza
- Build new
- Use saved
- Create from SQL

Reports dictionary

- View dictionary

Statistics wiza

- Acquisitions
- Patrons
- Catalog
- Circulation
- Serials
- Holds

```
ORDER BY surname, firstname ASC
```

Patron without image

- **Developer:** Md. Zahid Hossain Shoeb, Independent University, Bangladesh (IUB)
- **Module:** Patrons
- **Purpose:** To list the patrons whose images have not been uploaded.
- **Status:** Complete

```
SELECT cardnumber, borrowernumber, surname, firstname FROM borrowers
WHERE borrowernumber
NOT IN (SELECT borrowernumber FROM patronimage)
```

Missing or invalid email format

- **Developer:** Md. Zahid Hossain Shoeb, Independent University, Bangladesh (IUB)
- **Module:** Patrons
- **Purpose:** To list the patrons missing or invalid email format.
- **Status:** Complete

```
SELECT surname AS Surname, firstname AS "First Name", cardnumber AS "Card Number", email AS Emai
FROM borrowers
WHERE email NOT LIKE '%_@__%.__%'
ORDER BY email DESC
```

Ex Heavy Borrowers

Koha Feature Overview (cont.)

- Acquisitions
  - Enter budgets and funds
  - Duplicate budgets and funds for the following year
  - Keep track of all vendor information
  - Order from vendor files
  - Order multiple copies
  - Order copies of existing records

Koha Feature Overview (cont.)

- Acquisitions
  - Order by searching Z39.50 targets
  - Track order status
  - Generate late reports and claim letters
  - Track budget encumbrances and expenditures
  - Create ‘on order’ items to allow patrons to place holds
  - Accept purchase suggestions and keep patrons notified as the item moves through the Acquisitions process

Koha Feature Overview (cont.)

- Serials
  - Create subscriptions with full prediction patterns
  - Receive issues one at time or in bulk
  - Barcode serials on receipt if desired
  - Generate late issue reports and claim emails
  - See full serial history
  - Print routing lists for each subscription
  - Duplicate subscriptions for multiple branches
  - Library defined numbering frequencies and patterns

Koha Feature Overview (cont.)

- Administration
  - Full access to administrative functions
  - Over 400 system preferences to make Koha run just the way you want
  - Full circulation and fine rules matrix for each branch
  - Define your own libraries, item types, shelving locations and more
  - Enter/change Z39.50 targets

Koha Feature Overview (cont.)

- System
  - Unlimited SIP2 connections
  - LDAP functionality
  - MySQL database
  - Works with RFID and self check out products

Skill Required to Operate ILS

- User friendly interfaces
- Basic computer literacy required
- Knowledge on MARC, Z30.50 cataloguing module
- Knowledge on MarcEdit
- Knowledge on Operating System by the administrators for maintenance

Sources

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Thank you