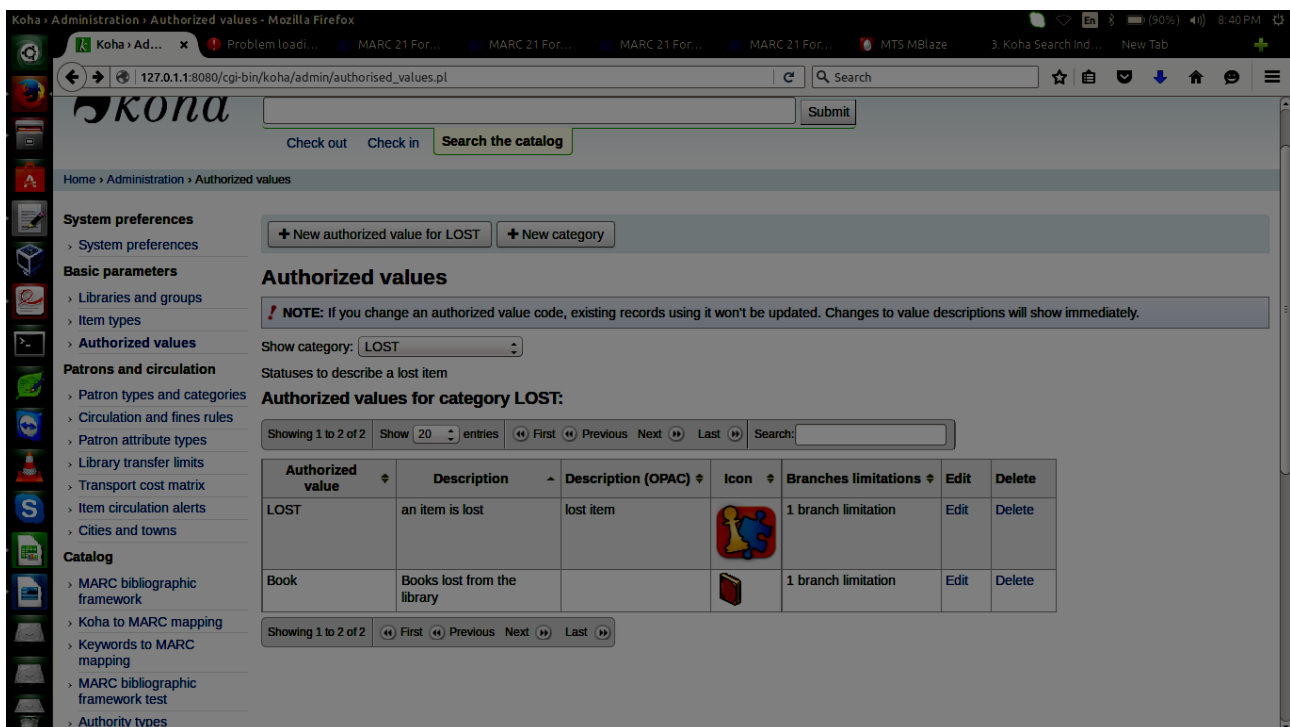


KOHA SUMMER 2K16.



Date :- 15-07-16.

KOHA PART :-

1. Enabling barcode reader in koha by installing glabels .
2. Installing leafpad for creating plain text files for patron images and multiple cover images.
3. Setting authorised values category to control the values that can be entered into MARC fields and also information if somebody lost their belongings in library.

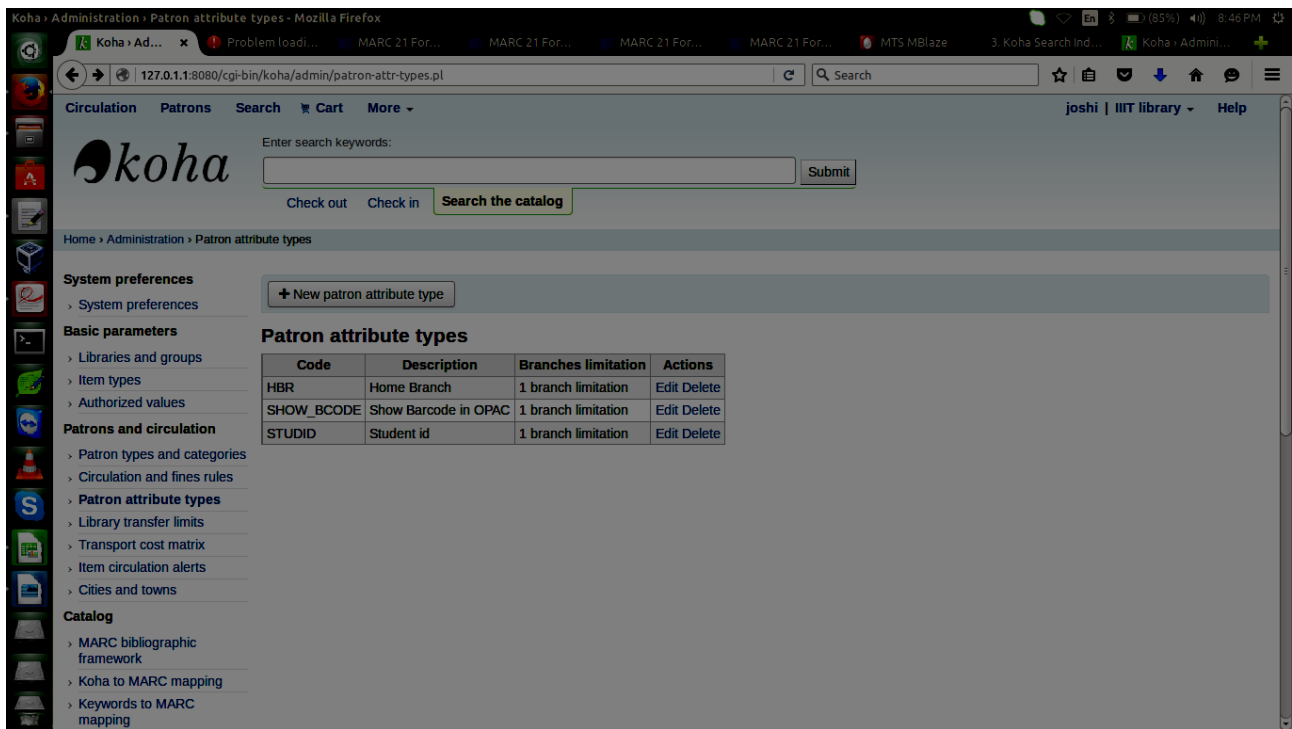


The screenshot shows the Koha Administration interface in a Mozilla Firefox browser. The page title is "Koha Administration - Authorized values". The URL is "127.0.1.1:8080/cgi-bin/koha/admin/authorised_values.pl". The page has a sidebar with navigation links and a main content area. The main content area shows the "Authorized values" section for the "LOST" category. It includes a table with columns: "Authorized value", "Description", "Description (OPAC)", "Icon", "Branches limitations", "Edit", and "Delete". The table contains two rows: "LOST" and "Book".

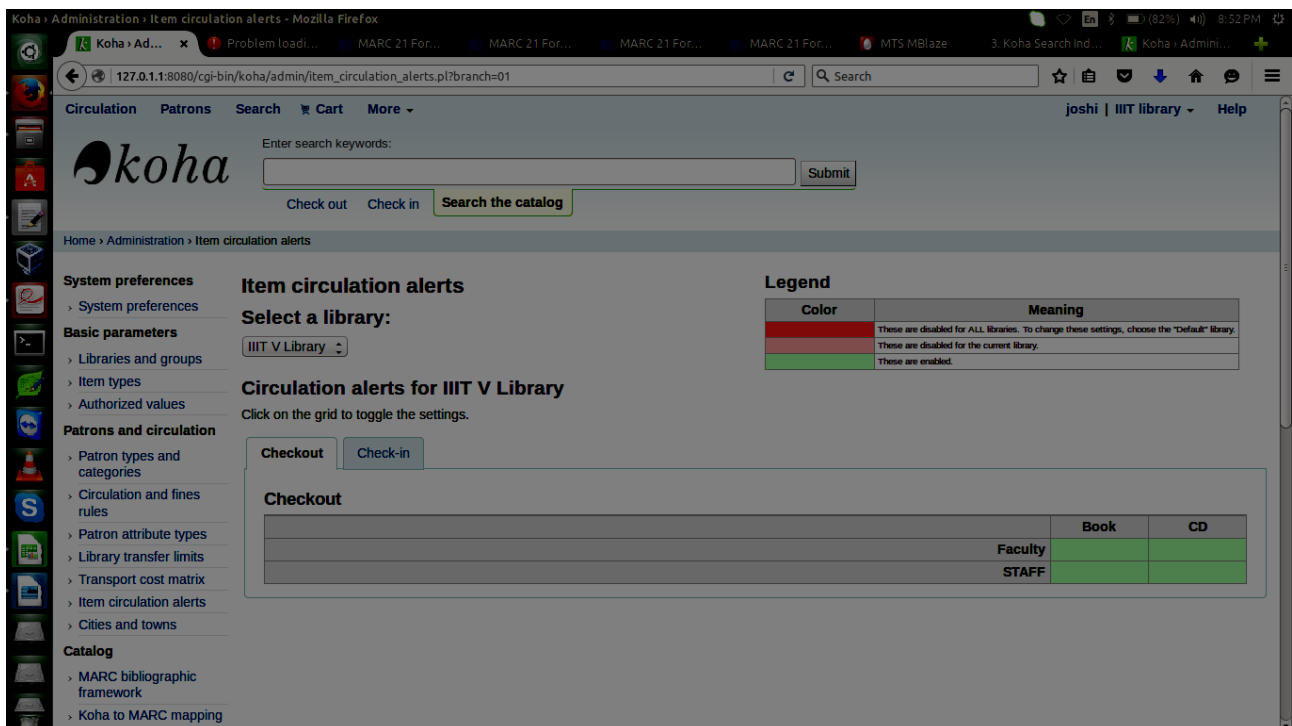
Authorized value	Description	Description (OPAC)	Icon	Branches limitations	Edit	Delete
LOST	an item is lost	lost item		1 branch limitation	Edit	Delete
Book	Books lost from the library			1 branch limitation	Edit	Delete

4. Patron attributes:

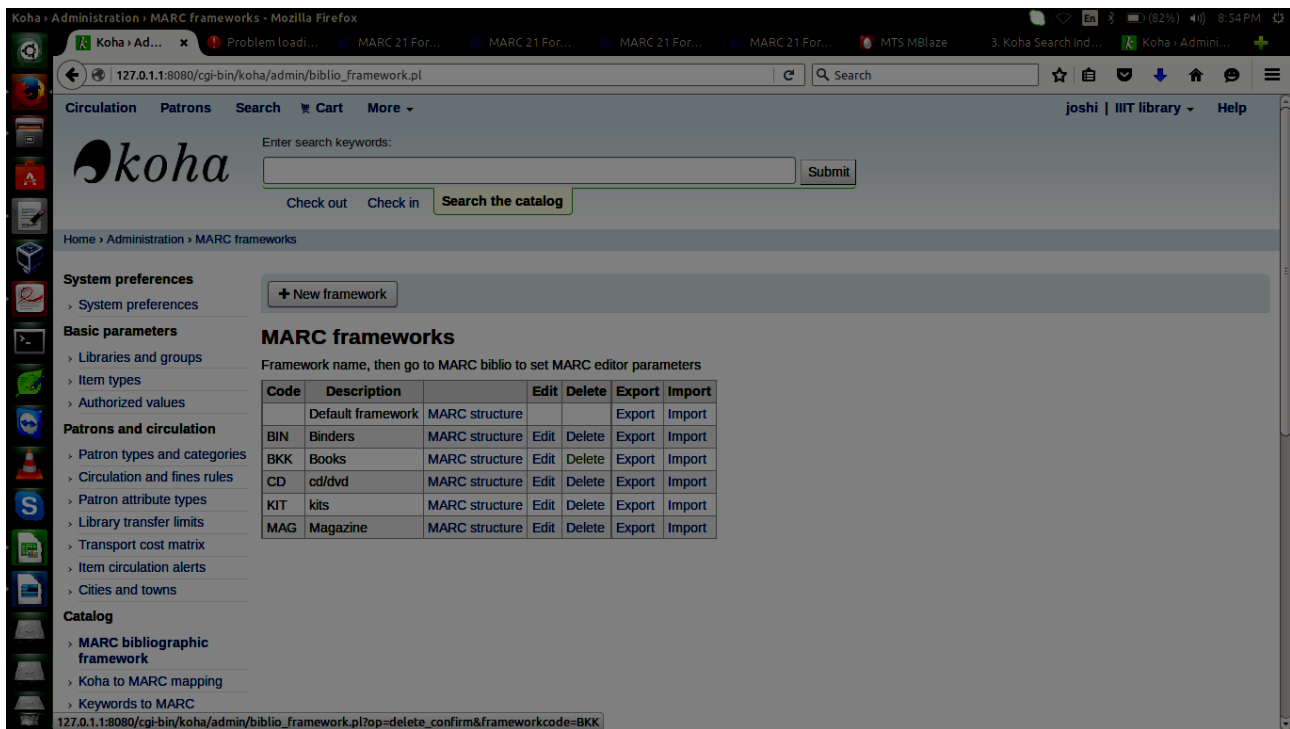
Patron attributes are used to define custom fields to associate with patron records. For enabling this feature set the ExtendedPatronAttributes to enable.



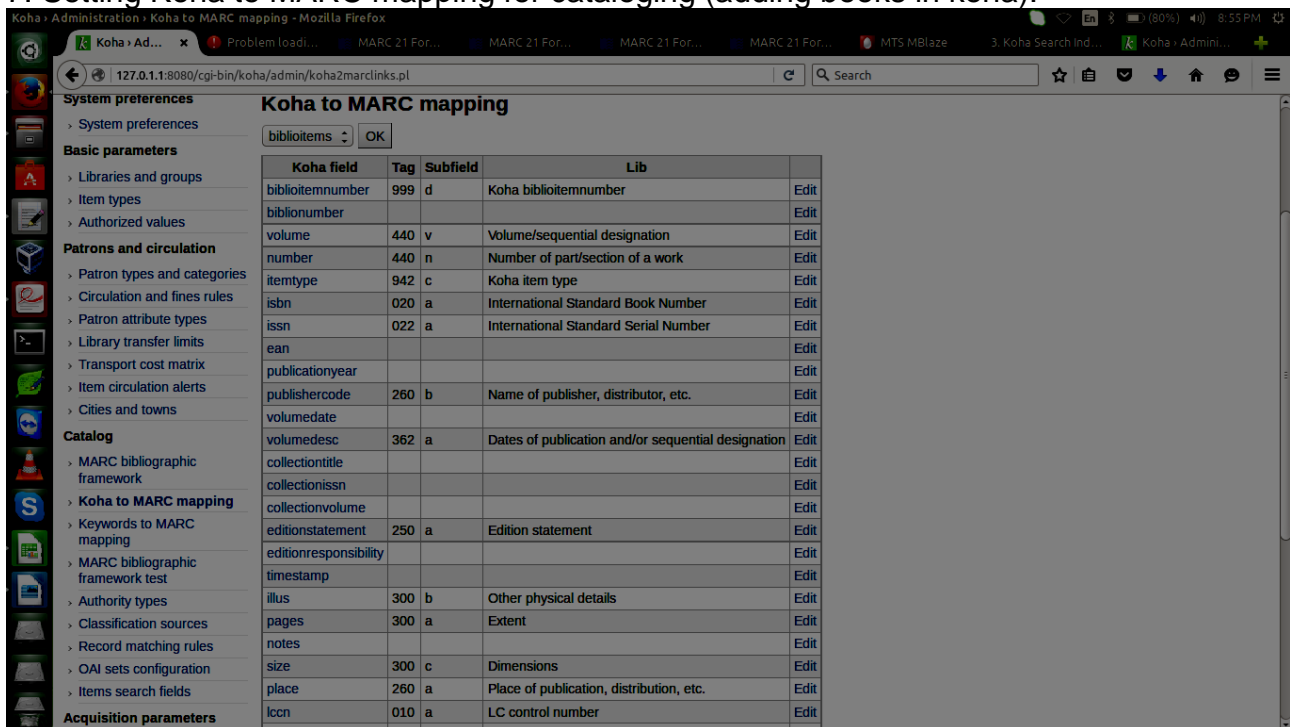
5. Item circulation alerts at the time of checkout and checkin. At the time of checkout and checkin notifications are prompted by enabling the audioalerts. Administration->System Preferences->alert ->enable



6. Creating MARC frameworks.



7. Setting Koha to MARC mapping for cataloging (adding books in koha).



8. MARC bibliographic framework tests:

This test we run to check if there are errors in the existing defintion . The parameters you set up for the library .

9. Creating patron lists for patrons so that existing patrons can be grouped according to the batch and similarities.

The image shows two screenshots of the Koha library management system interface.

Top Screenshot: Patron lists

The browser address bar shows the URL: `127.0.1.1:8080/cgi-bin/koha/patron_lists/lists.pl`. The page title is "Koha - Tools - Patron lists". The navigation menu includes "Circulation", "Patrons", "Search", "Cart", and "More". The user is logged in as "joshi | IIIT library".

The main content area shows a search bar with the text "Enter search keywords:" and a "Submit" button. Below the search bar, there are links for "Check out", "Check in", and "Search the catalog".

The "Your patron lists" section shows a table with the following data:

Name	Patrons in list	Add patrons	Edit	Delete
2013 batch	0	Add patrons	Edit	Delete
2014 batch	3	Add patrons	Edit	Delete
2015 batch	0	Add patrons	Edit	Delete
kvv	0	Add patrons	Edit	Delete

The table shows 4 entries, with pagination controls for "Showing 1 to 4 of 4" entries.

Bottom Screenshot: MARC bibliographic framework test

The browser address bar shows the URL: `127.0.1.1:8080/cgi-bin/koha/admin/checkmarc.pl`. The page title is "Koha - Administration - MARC check : Configuration OK!". The navigation menu includes "System preferences", "Basic parameters", "Patrons and circulation", and "Catalog".

The main content area shows the "MARC bibliographic framework test" results. The test results are as follows:

Test	Result
OK	itemnum : the field itemnumber is mapped to a field in tab -1
OK	All item fields are in the same tag and in item tab
OK	Only 1 MARC tag mapped to items
OK	biblioitems.itemtype defined
OK	homebranch defined
OK	holdingbranch defined
OK	at least 1 item type defined
OK	at least 1 library defined
OK	biblionumber and biblioitemnumber mapped correctly
OK	no NULL value in frameworkcode
OK	all subfields for each tag are in the same tab (or ignored)
OK	all authority types used in the frameworks are defined
OK	items.permanent_location is not mapped on the frameworks

The test results show that the configuration is OK, and there are no errors in the MARC parameters table.

10. Importing patrons in bulk by making a csv file in which cardnumber, branchcode, categorycode, surname, dateenroled, dateexpiry are mandatory fields.

IT2014.csv - LibreOffice Calc

cardnumber,firstname,surname,userid,password,dateenrolled,dateexpiry,branchcode,categorycode

	A	B	C	D	E	F	G	H	I	J
1	cardnumber,firstname,surname,userid,password,dateenrolled,dateexpiry,branchcode,categorycode									
2	201452001,SHUBHAM,SOLANKI,201452001,201452001,14-07-16,14-07-20,IIITSTU									
3	201452002,VJAYANAND,201452002,201452002,14-07-16,14-07-20,IIITSTU									
4	201452003,VISHAL KUMAR, RAMAN, 201452003, 201452003, 14-07-16, 14-07-20, IIITSTU									
5	201452004,NILESH,CHATURVEDI,201452004,201452004,14-07-16,14-07-20,IIITSTU									
6	201452005,JITENDRA,SINGH,201452005,201452005,14-07-16,14-07-20,IIITSTU									
7	201452006,MAYANK MAURYA,201452006,201452006,14-07-16,14-07-20,IIITSTU									
8	201452007,PRASHANTH,201452007,201452007,14-07-16,14-07-20,IIITSTU									
9	201452008,HARISH,CHANDRA,201452008,201452008,14-07-16,14-07-20,IIITSTU									
10	201452009,RAGHVENDRA,SINGH,201452009,201452009,14-07-16,14-07-20,IIITSTU									
11	201452010,RANVIRSINGH DADUBHA,GOHIL,201452010,201452010,14-07-16,14-07-20,IIITSTU									
12	201452011,DURGAVIJAY, LAKSHMI, 201452011, 201452011, 14-07-16, 14-07-20, IIITSTU									
13	201452012,PANKAJ KUMAR, RAJPUT, 201452012, 201452012, 14-07-16, 14-07-20, IIITSTU									
14	201452013,LALITKUMAR,201452013,201452013,14-07-16,14-07-20,IIITSTU									
15	201452014,PRATEEK,PALIWAL,201452014,201452014,14-07-16,14-07-20,IIITSTU									
16	201452015,RAHUL ANAND,201452015,201452015,14-07-16,14-07-20,IIITSTU									
17	201452016,MANISH,SINGHLA,201452016,201452016,14-07-16,14-07-20,IIITSTU									
18	201452017,PREM CHAND,SAINI,201452017,201452017,14-07-16,14-07-20,IIITSTU									
19	201452018,BHOOPENDRA, SINGH, 201452018, 201452018, 14-07-16, 14-07-20, IIITSTU									
20	201452019,SHIKHAR,DHING,201452019,201452019,14-07-16,14-07-20,IIITSTU									
21	201452020,KARAN KUMAR,SAH,201452020,201452020,14-07-16,14-07-20,IIITSTU									
22	201452021,SANDEEPKUMAR,201452021,201452021,14-07-16,14-07-20,IIITSTU									
23	201452022,ANUGU BHARATH, REDDY, 201452022, 201452022, 14-07-16, 14-07-20, IIITSTU									
24	201452023,ANIKET,TRAJPUT,201452023,201452023,14-07-16,14-07-20,IIITSTU									
25	201452024,VAIBHAVANAND,201452024,201452024,14-07-16,14-07-20,IIITSTU									
26	201452025,NAMMI JAY KISHAN, KUMAR, 201452025, 201452025, 14-07-16, 14-07-20, IIITSTU									
27	20152026,SHARAD,PATEL,20152026,20152026,14-07-16,14-07-20,IIITSTU									
28	201452027,SANDEEP KUMAR, MERU THA, 201452027, 201452027, 14-07-16, 14-07-20, IIITSTU									
29	201452028,ANIL KUMAR,201452028,201452028,14-07-16,14-07-20,IIITSTU									
30	201452029,SHUBHAM,MEENA,201452029,201452029,14-07-16,14-07-20,IIITSTU									
31	201452030,PEDAPALLI,AKHIL,201452030,201452030,14-07-16,14-07-20,IIITSTU									
32	201452031,KARRA VENKATA, SANDEEP, 201452031, 201452031, 14-07-16, 14-07-20, IIITSTU									
33	201452032,ANUPA MOHANA,SAI KRISHNA,201452032,201452032,14-07-16,14-07-20,IIITSTU									
34	201452033,NAVNEET NANDAN,201452033,201452033,14-07-16,14-07-20,IIITSTU									
35	201452034,MAYANK SHARMA,201452034,201452034,14-07-16,14-07-20,IIITSTU									
36	201452035,MOFID,ANSARI,201452035,201452035,14-07-16,14-07-20,IIITSTU									
37	201452036,ANJALI KUMARI,201452036,201452036,14-07-16,14-07-20,IIITSTU									
38	201452037,SAHIL LUTHRA,201452037,201452037,14-07-16,14-07-20,IIITSTU									
39	201452038,BOJJIL,DEEPAKRISHNA,201452038,201452038,14-07-16,14-07-20,IIITSTU									
40	201452039,PARUL BINDAL,201452039,201452039,14-07-16,14-07-20,IIITSTU									

Sheet 1 / 1

11. For providing a prior information like checkout, checkin, cardexpiry etc. to patrons, staff faculty we can set notices and slips. Either we copy to are library from existing notices or we can create a new notice for our library by clicking on new notice.

Koha Tools - Notices & Slips

127.0.1.1:8080/cgi-bin/koha/tools/letter.pl

Home > Tools > Notices & Slips

Tools home

Patrons and circulation

Patron lists

Comments

Import patrons

Notices & slips

Overdue notice/status triggers

Patron card creator

Batch patron deletion/anonymization

Batch patron modification

Tag moderation

Upload patron images

Catalog

Batch item deletion

Batch item modification

Batch record deletion

Batch record modification

Export data

Inventory/stocktaking

Label creator

Quick spine label creator

Rotating collections

Manage MARC modification templates

Select a library: All libraries

+ New notice

Library	Module	Code	Name	Copy notice			
(All libraries)	acquisition	ACQ_NOTIF_ON_RECEIV	Notification on receiving	Copy to IIIT V Library	Copy	Edit	Delete
(All libraries)	circulation	CHECKIN	Item Check-in (Digest)	Copy to IIIT V Library	Copy	Edit	
(All libraries)	circulation	CHECKOUT	Item Check-out (Digest)	Copy to IIIT V Library	Copy	Edit	
(All libraries)	circulation	DUE	Item Due Reminder	Copy to IIIT V Library	Copy	Edit	
(All libraries)	circulation	DUEDGST	Item Due Reminder (Digest)	Copy to IIIT V Library	Copy	Edit	
(All libraries)	circulation	ISSUEQSLIP	Issue Quick Slip	Copy to IIIT V Library	Copy	Edit	Delete
(All libraries)	circulation	ISSUESLIP	Issue Slip	Copy to IIIT V Library	Copy	Edit	Delete
(All libraries)	circulation	ODUE	Overdue Notice	Copy to IIIT V Library	Copy	Edit	Delete
(All libraries)	circulation	ODUE2	second overdue	Copy to IIIT V Library	Copy	Edit	Delete
(All libraries)	circulation	OVERDUES_SLIP	Overdues Slip	Copy to IIIT V Library	Copy	Edit	Delete
(All libraries)	circulation	PREDUE	Advance Notice of Item Due	Copy to IIIT V Library	Copy	Edit	
(All libraries)	circulation	PREDUEDGST	Advance Notice of Item Due (Digest)	Copy to IIIT V Library	Copy	Edit	
(All libraries)	circulation	RENEWAL	Item Renewals	Copy to IIIT V Library	Copy	Edit	Delete
(All libraries)	circulation	RESERVESLIP	Reserve Slip	Copy to IIIT V Library	Copy	Edit	Delete

Koha > Patrons > Patron details for Kritika vyas (201451049) - Mozilla Firefox

127.0.1.1:8080/cgi-bin/koha/members/moremember.pl?borrowerid=1

Patron's account is restricted [View restrictions](#)

Kritika vyas (201451049)

Edit

Manage Patron Image

To update the image for vyas, select a new image file and click 'Upload.'
Click the 'Delete' button to remove the current image.
Only PNG, GIF, JPEG, XPM formats are supported.

Select the file to upload:

Browse... No file selected.

Upload Delete

Library use

Card number: 201451049
Borrower number: 1
Category: Student (002)
Registration date: 05/12/2016
Expiration date: 07/04/2020
Library: IIIT V Library
Username: kritichi
Password: *****

Edit

Alternate address

Address:
Address 2:
City:
ZIP/Postal code:
Phone: 7567775696
Email: kritichi9@gmail.com

Edit

Alternative contact

Surname:
First name:

Details

Fines
Routing lists
Circulation history
Modification log
Notices
Statistics

Patron messaging preferences

	Days in advance	SMS	Phone	Email	Digests only
Item due	-	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Advance notice	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hold filled	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Item check-in	-	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Item checkout	-	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

SMS number: 7567775696

Edit

12. We can also delete patrons by choosing preferences in batch patron deletion/anonymization.

Koha > Tools > Batch patron deletion/anonymization - Mozilla Firefox

127.0.1.1:8080/cgi-bin/koha/tools/cleanborrowers.pl

Home > Tools > Clean Patron Records

Batch patron deletion/anonymization

This tool allows you to delete patrons and anonymize checkout history. For deleting patrons, any combination of limits can be used.

Delete patrons

☐ Verify you want to delete patrons

Delete patrons who meet the following criteria:

- who have not borrowed since: (MM/DD/YYYY)
- whose expiration date is before: (MM/DD/YYYY)
- whose patron category is: Any

Anonymize checkout history

The AnonymousPatron system preference is not defined. You can use this feature anyway but NULL will be used to update the checkout history.

☐ Verify you want to anonymize patron checkout history

- Permanently delete checkout history older than (MM/DD/YYYY)

Next >>

13. We also edit patron records by batch patron modification.

14. We can upload patron image in bulk by creating a zip file containing patron images and a text file containing patron cardnumber followed by comma and name of image and save it as IDLINK.TXT or DATALINK.TXT.

Create a textfile in leafpad.

15. Adding books in bulk by converting it into marc. Click on stage marc record for imports and choose the mrc file.

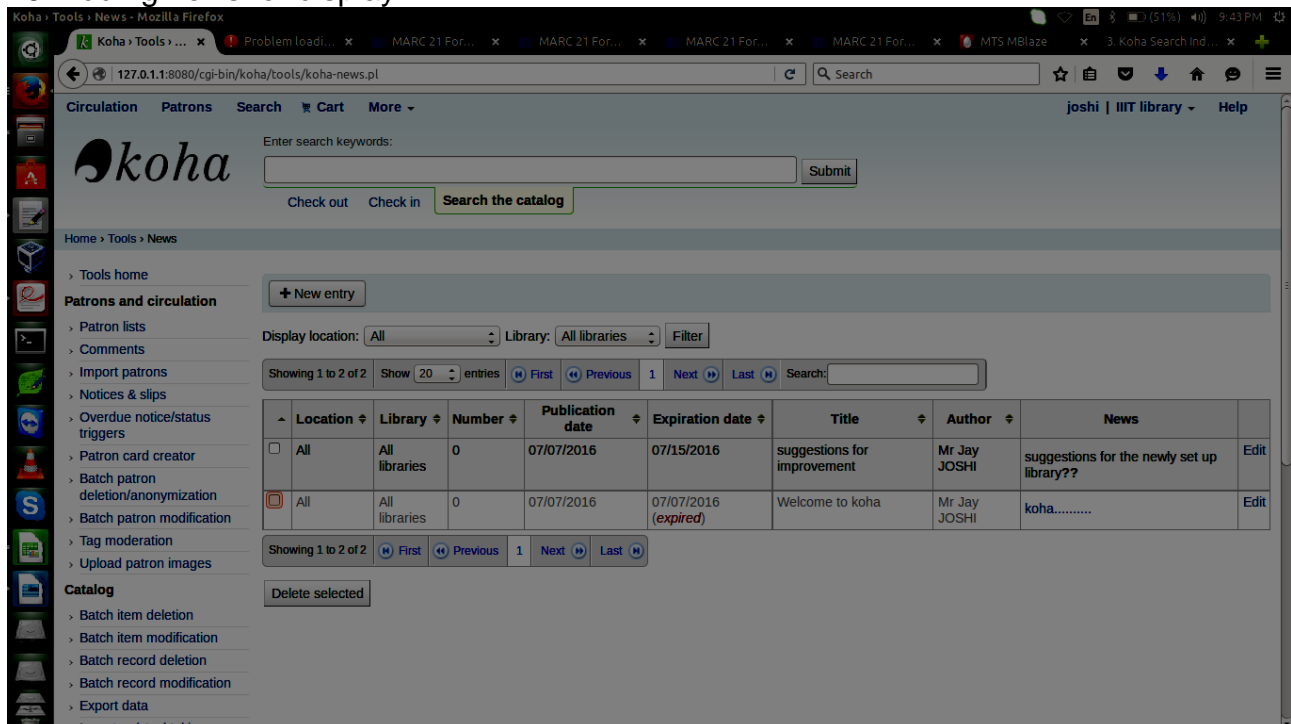
16. Uploading local cover images:

We can upload local cover images either manually or by setting preferences in amazon localcoverimages, google cover images . We can also use the tags of amazon ,Baker and Taylor(<http://www.btol.com>), librarything; access amazon site through our library url and other book stores by many of them are chargeable.

IdreamBooksReadometer that summarizes the reviews gathered from idream books and can be displayed in opac. So by seeing the rating and reviews of other users will help us in selection of books.

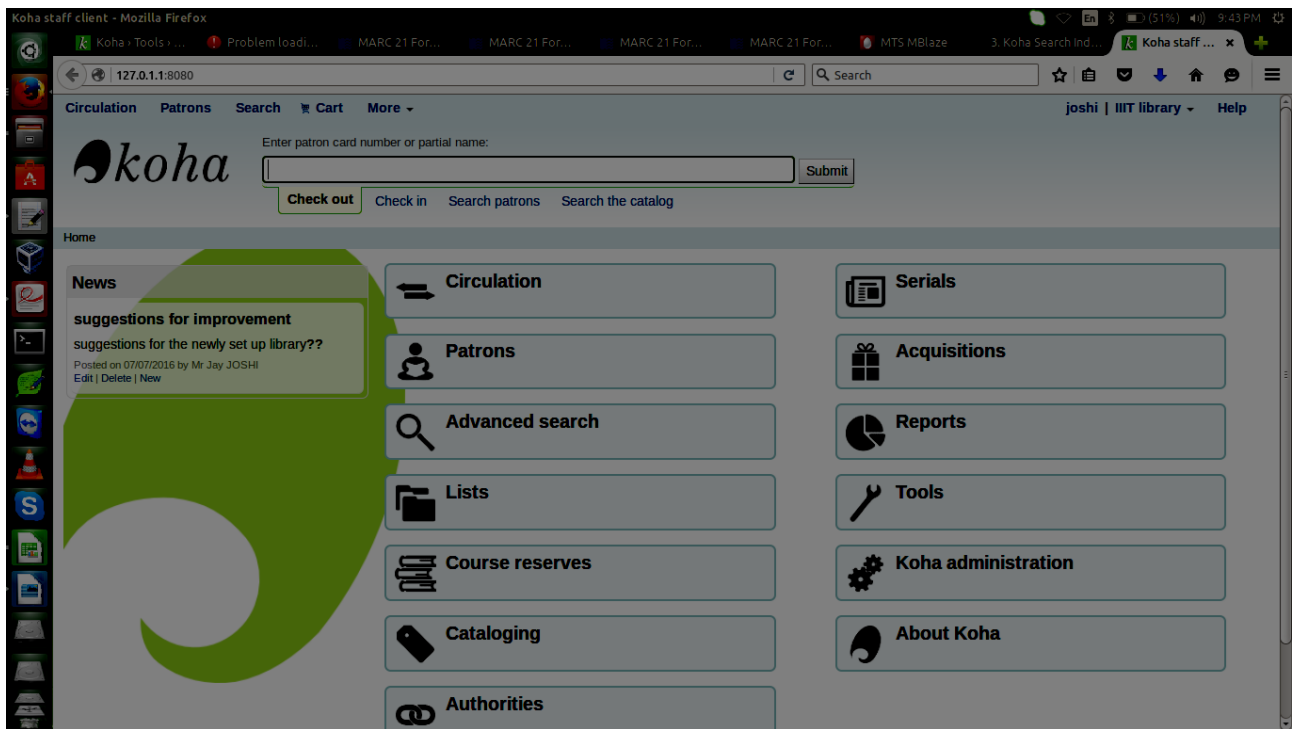
For books cover images,tags, reviews, suggestions: **worldcat.org** refer this site

16. Adding news for display.

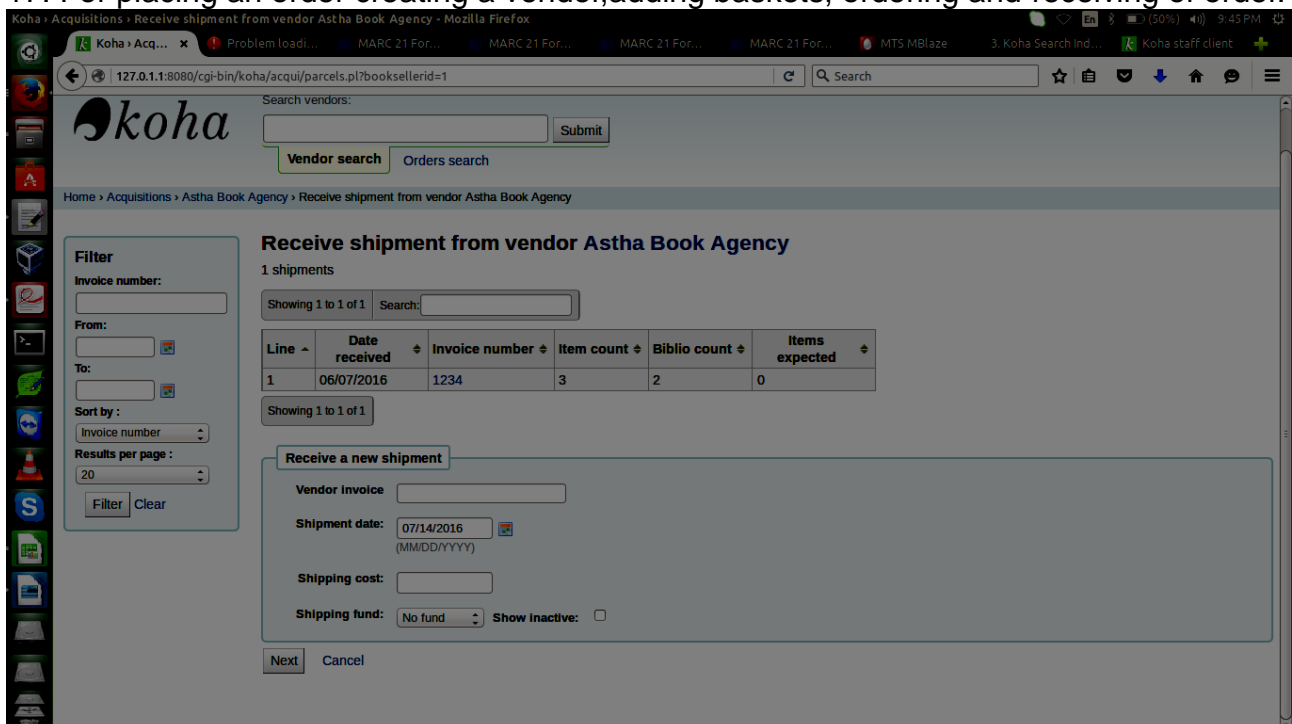


The screenshot shows the Koha web interface, specifically the 'Tools > News' section. The page has a sidebar with navigation links like 'Tools home', 'Patrons and circulation', and 'Catalog'. The main content area displays a table of news entries. The table has columns for Location, Library, Number, Publication date, Expiration date, Title, Author, and News. There are two entries listed, both for 'All libraries' and 'All' location, with publication dates of 07/07/2016. The first entry's expiration date is 07/15/2016, and the second's is 07/07/2016 (expired). The first entry's title is 'suggestions for improvement' and the second is 'Welcome to koha'. The News column contains 'suggestions for the newly set up library??' and 'koha.....' respectively. There are 'Edit' links for each entry. The page also includes search bars, pagination controls, and a 'Delete selected' button.

Location	Library	Number	Publication date	Expiration date	Title	Author	News	
All	All libraries	0	07/07/2016	07/15/2016	suggestions for improvement	Mr Jay JOSHI	suggestions for the newly set up library??	Edit
All	All libraries	0	07/07/2016	07/07/2016 (expired)	Welcome to koha	Mr Jay JOSHI	koha.....	Edit



17. For placing an order creating a vendor, adding baskets, ordering and receiving of order.



18. Including a link summary tab in opac for linking to social networking site like a facebook, twitter.

19. Enabling sending of mail in koha.

20. Printing barcodes, invoices, receipts etc.

21. Adding a Firefox plugin for offline koha circulation tool zotero->
<https://addons.mozilla.org/en/firefox/addon/koct/>.

22. Design, searching and customaiztion of opac.

REFERENCES:

koha official manual: Koha-3.22-koha-manual-en.pdf

Data Migration: guide.pdf

Video lectures by watersolution(Nicole Engard)

RECOMMENDER SYSTEM USING K-MEAN CLUSTERING APPROACH IN C.

In clustering approaches the recommendations are based on user similarity.

1)Take the factors to group students on different axes eg :- semester on an axis,genre they like on an axis,book read on an axis and so on.....,let it be n

2) the number of clusters you want to divide the dataset as k.

3)Now for every “student-genre liked-book read” mapping , point it on the n-dimensional space.

4)After the plotting of all points is over,give k random points as centroids .

5)calculate distance from all points to each centroid.

6)Now assign each point to its closest centroid.

All points that belong to a centroid are said to form a cluster.

7)calculate the centroids of all points in their respective clusters .

8)Iterate from point 5 to point 7 until there is no change.

9)Enter the User i.d. for whom you need a recommendation.

10)Find to which clusters this user belongs to and assign the weightage.

11)In those clusters find the book which is most used in the cluster which the user had not used.

12)recommend the book on the basis of frequency-weight product.

REFERENCE :-

1)Recommendation of web pages using k-means clustering by R.Thiyagarajan ,
K.Thangavel , R.Rathipriya.
Internet.