KOHA SUMMER 2K16.

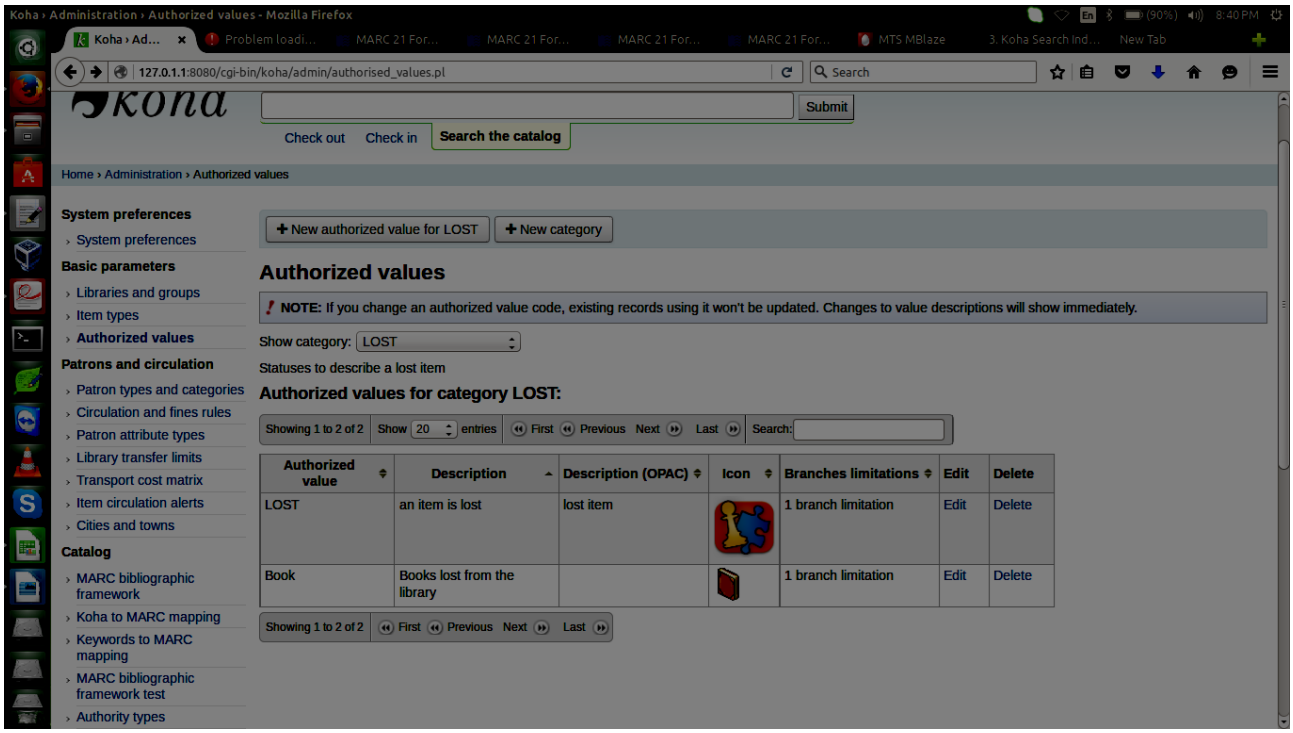
Date :- 15-07-16.

KOHA PART :-

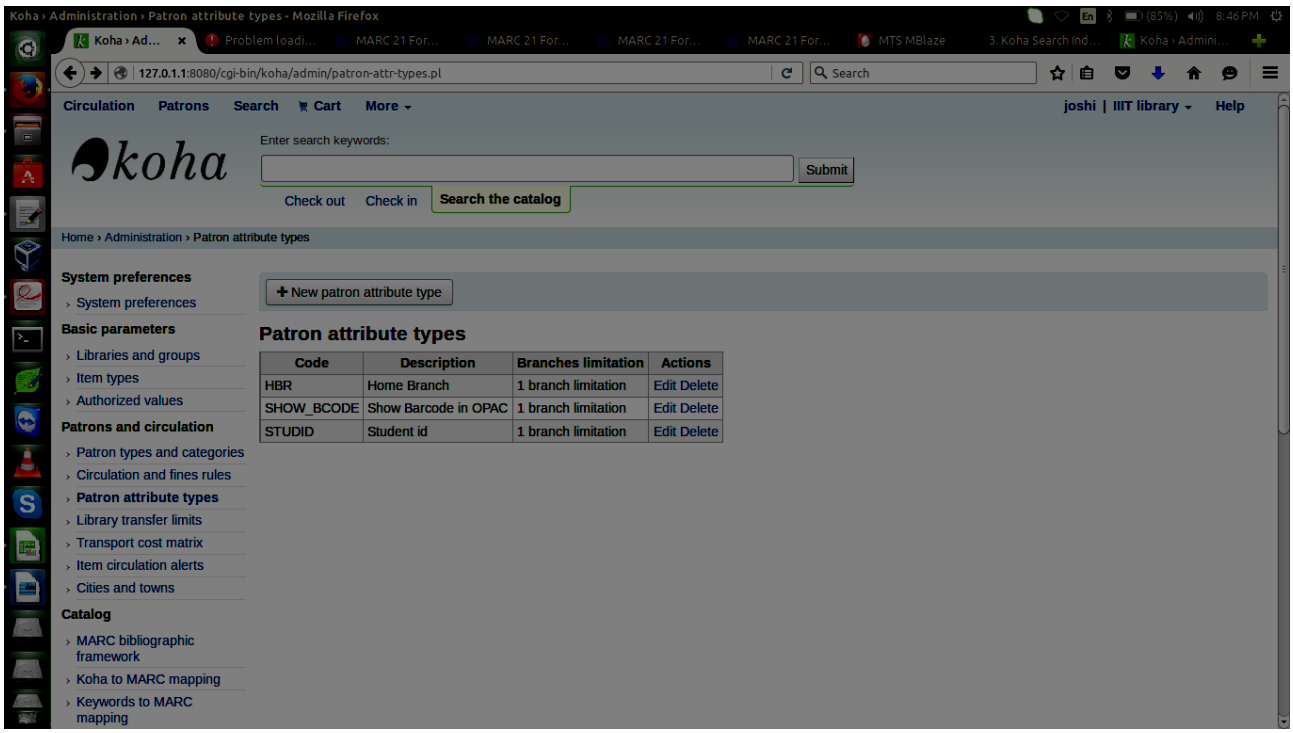
1. Enabling barcode reader in koha by installing glabels .

2. Installing leafpad for creating plain text files for patron images and multiple cover images.

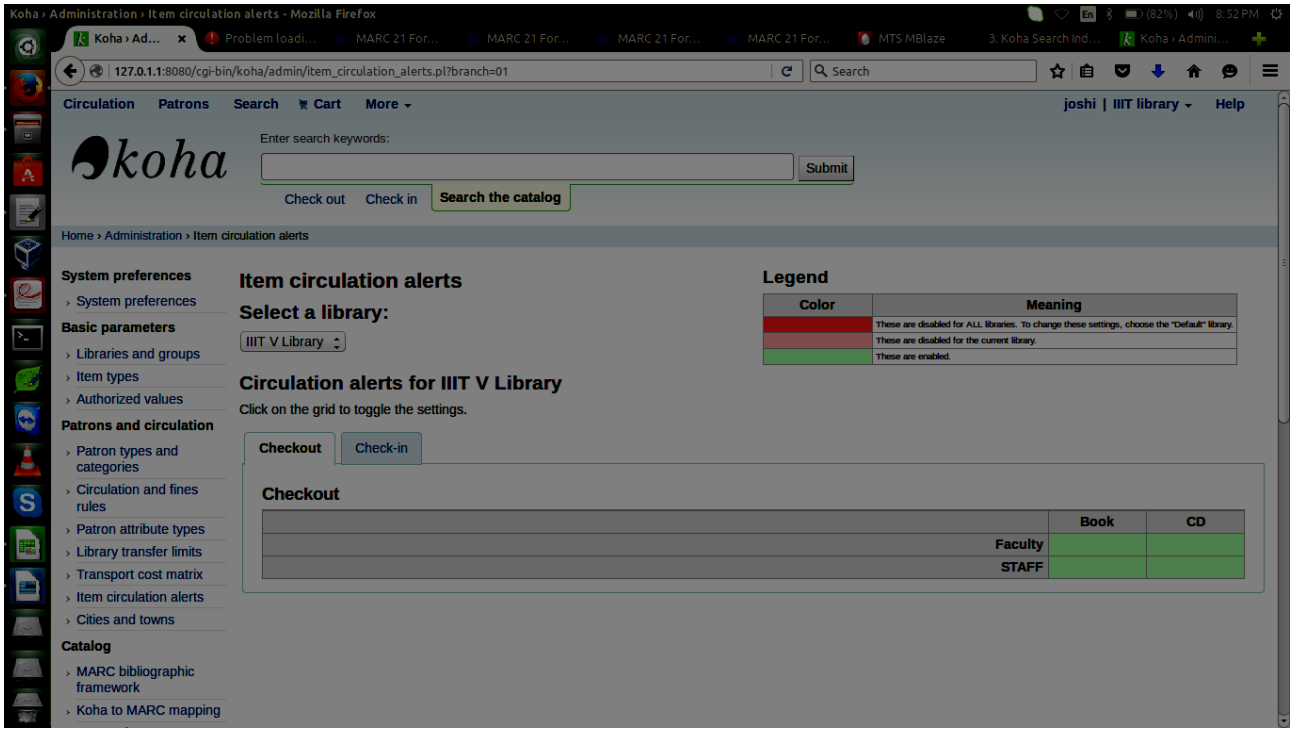
3. Setting authorised values category to control the values that can be entered into MARC fields and also information if somebody lost their belongings in library.



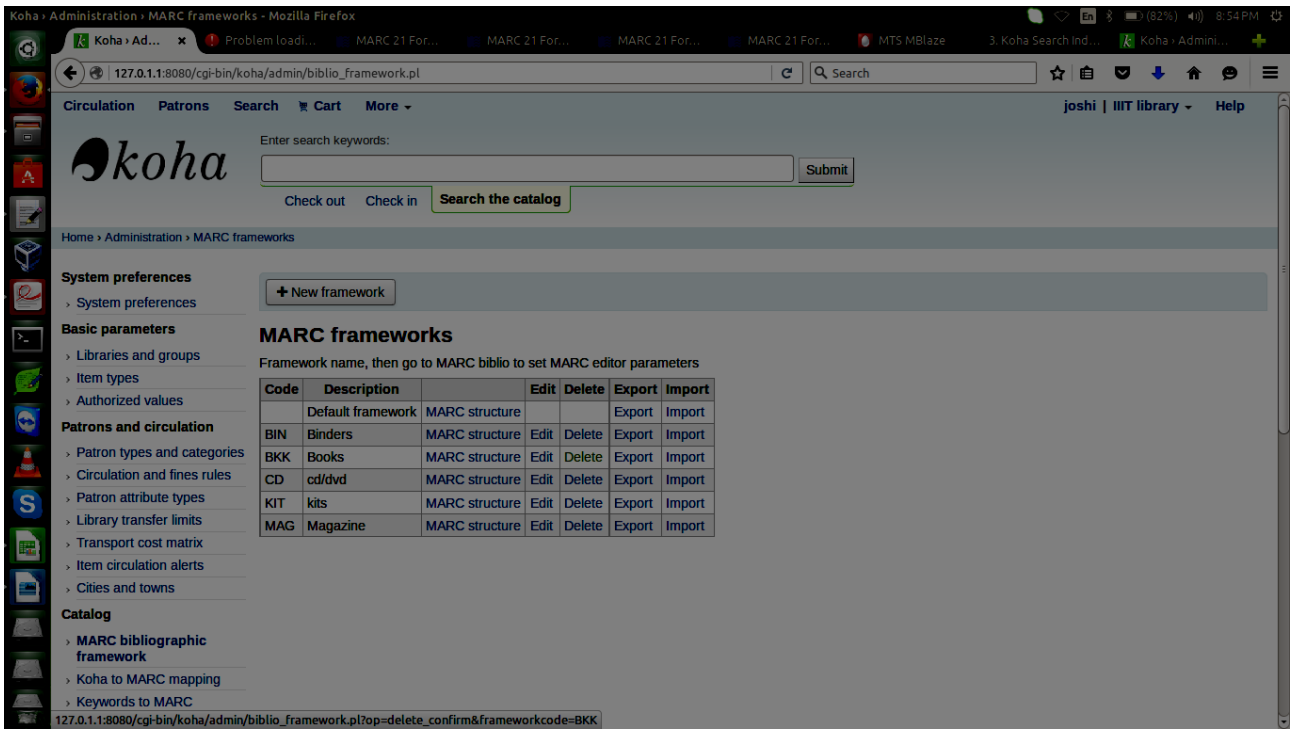
4. Patron attributes:
Patron attributes are used to define custom fields to associate with patron records. For enabling this feature set the ExtendedPatronAttributes to enable.



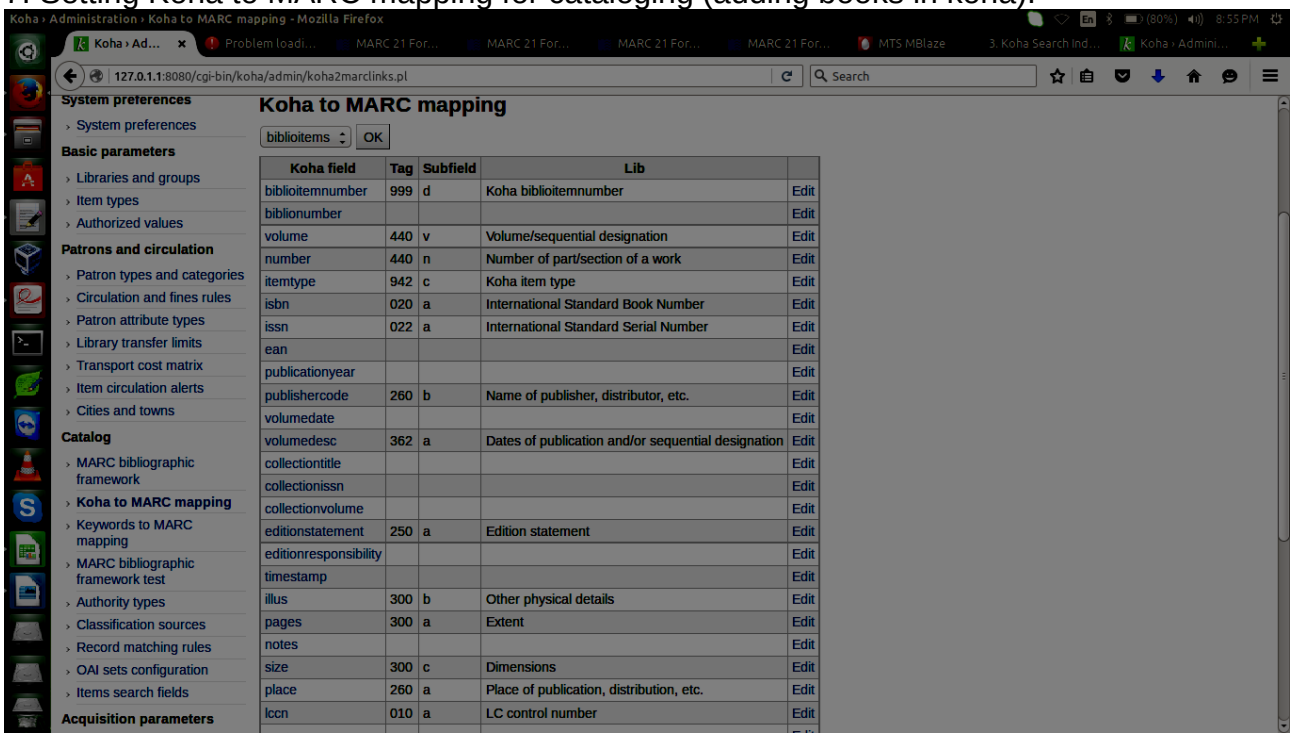
5. Item circulation alerts at the time of checkout and checkin. At the time of checkout and checkin notifications are prompted by enabling the audioalerts.
Administration->System Preferences->alert ->enable



6. Creating MARC frameworks.

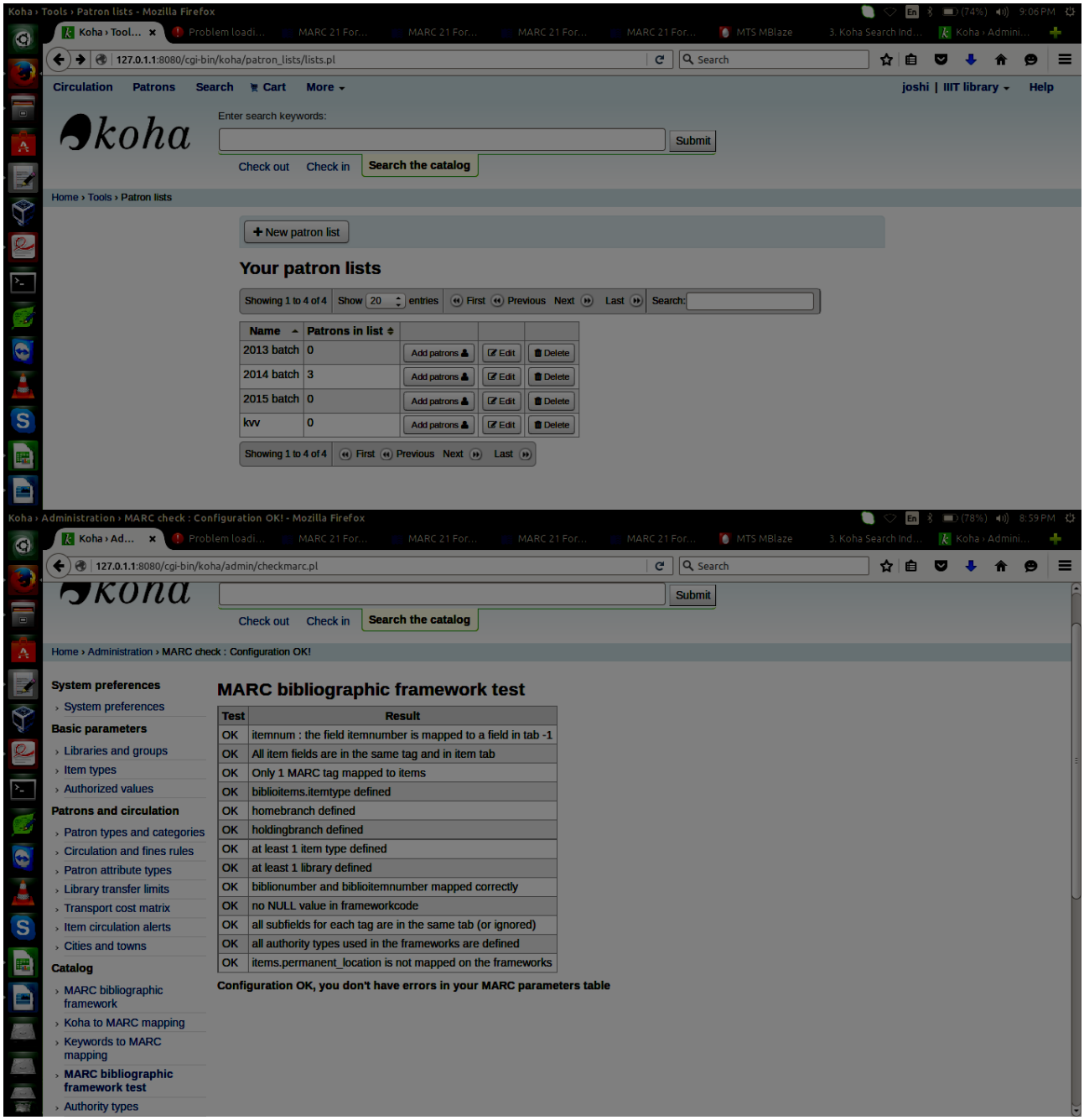


7. Setting Koha to MARC mapping for cataloging (adding books in koha).

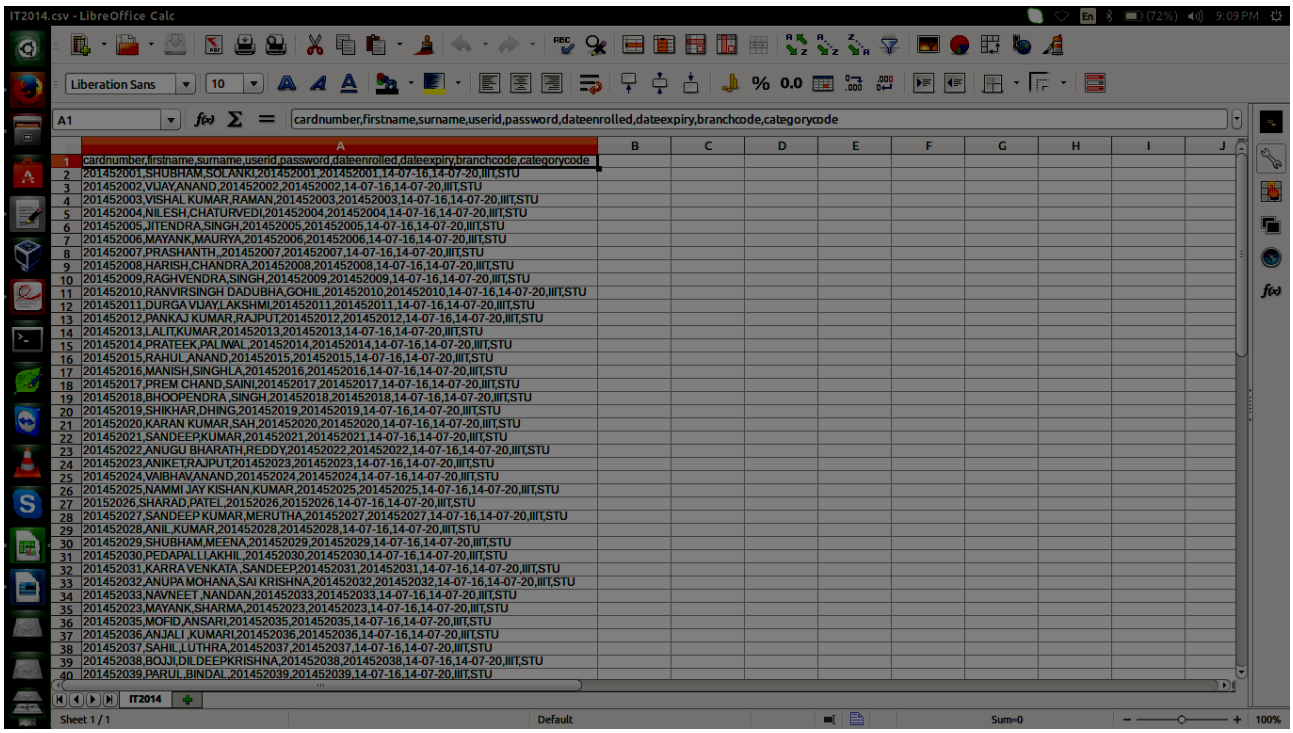


8. MARC bibliographic framework tests:
This test we run to check if there are errors in the existing defintion . The parameters you set up for the library .

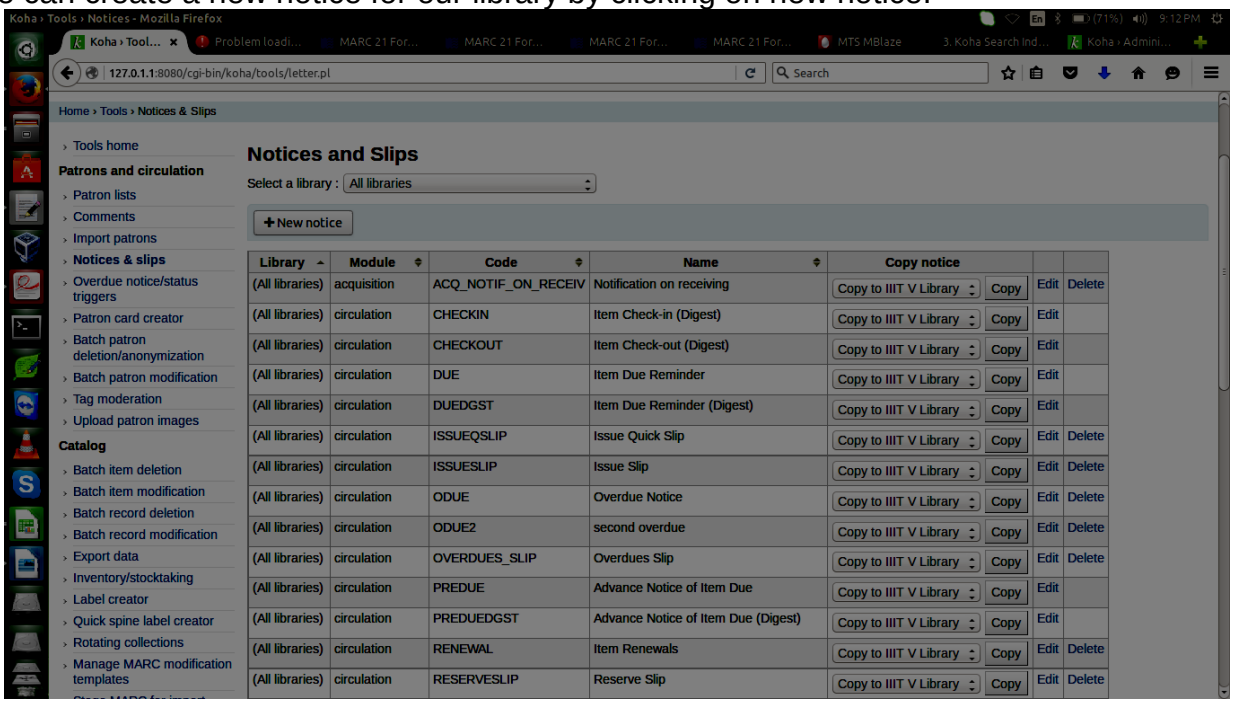
9. Creating patron lists for patrons so that existing patrons can be grouped according to the batch and similarities.

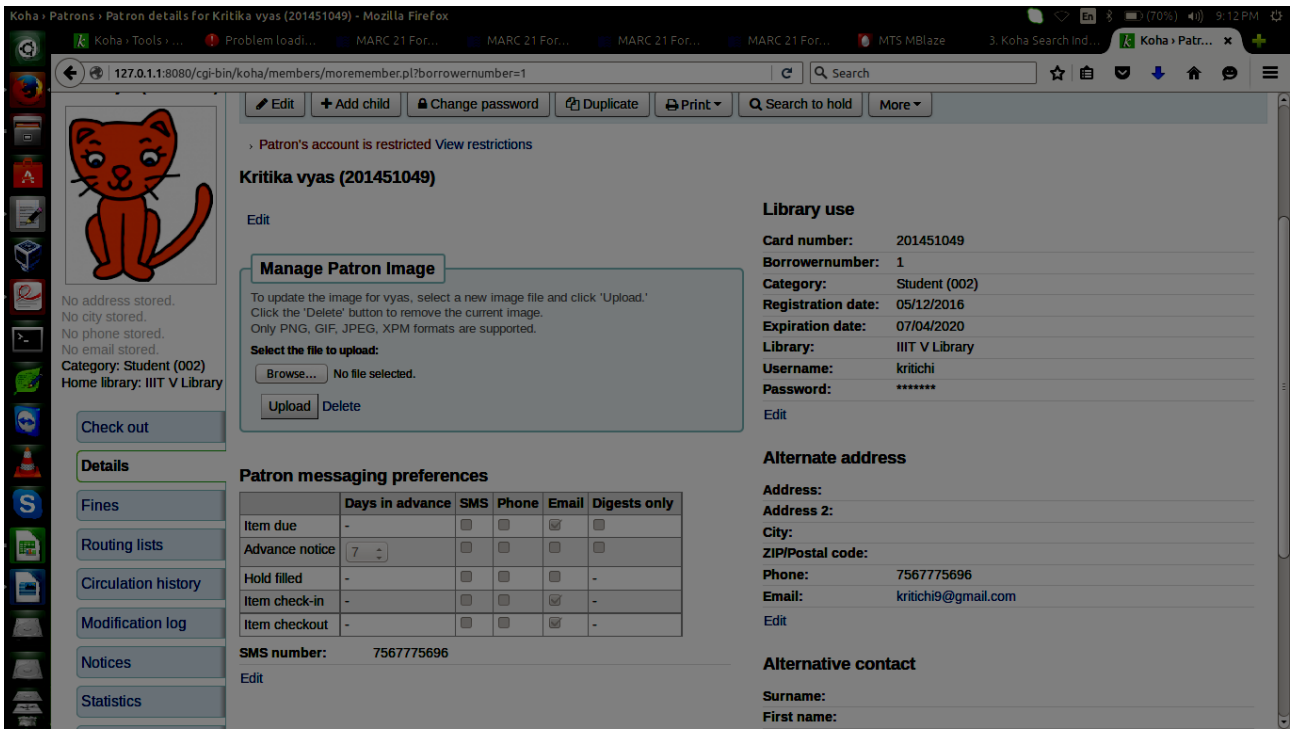


10. Importing patrons in bulk by making a csv file in which cardnumber, branchcode, categorycode,surname,dateenroled, dateexpiry are mandatory fields.

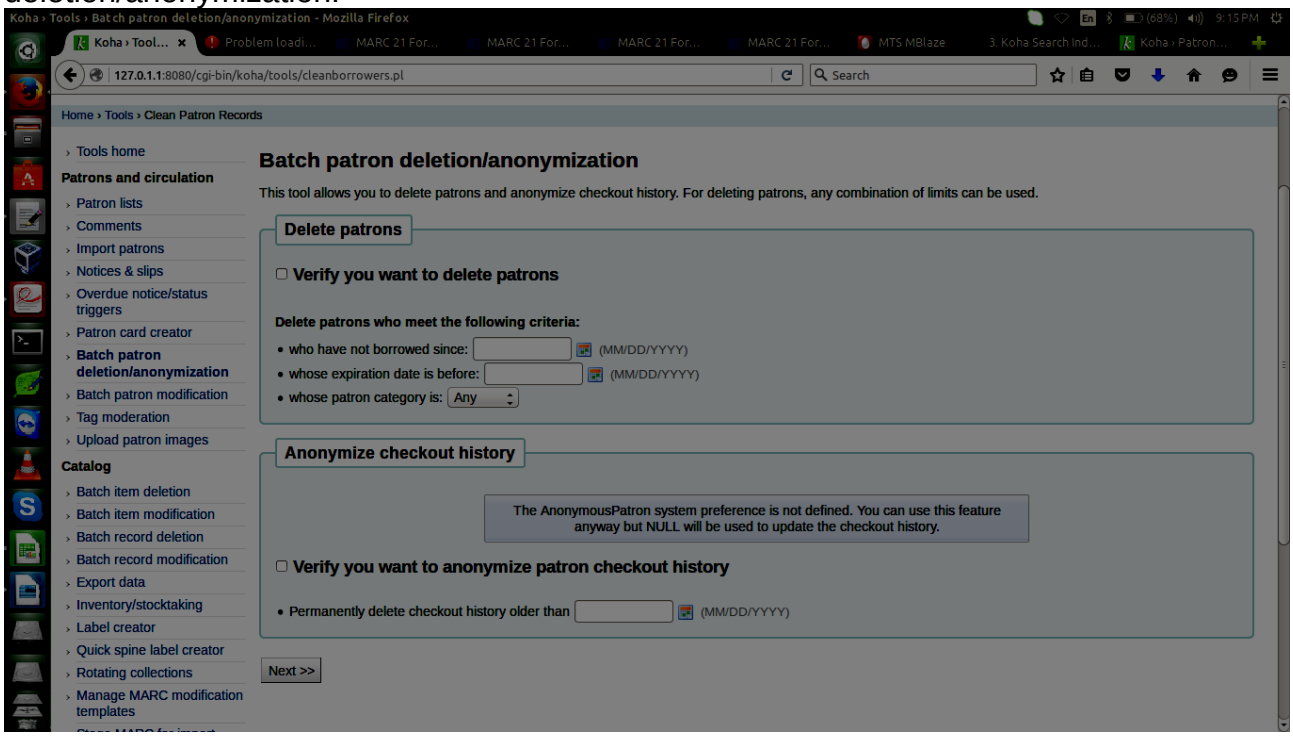


11. For providing a prior information like checkout, checkin, cardexpiry etc. to patrons, staff faculty we can set notices and slips. Either we copy to are library from existing notices or we can create a new notice for our library by clicking on new notice.





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



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.

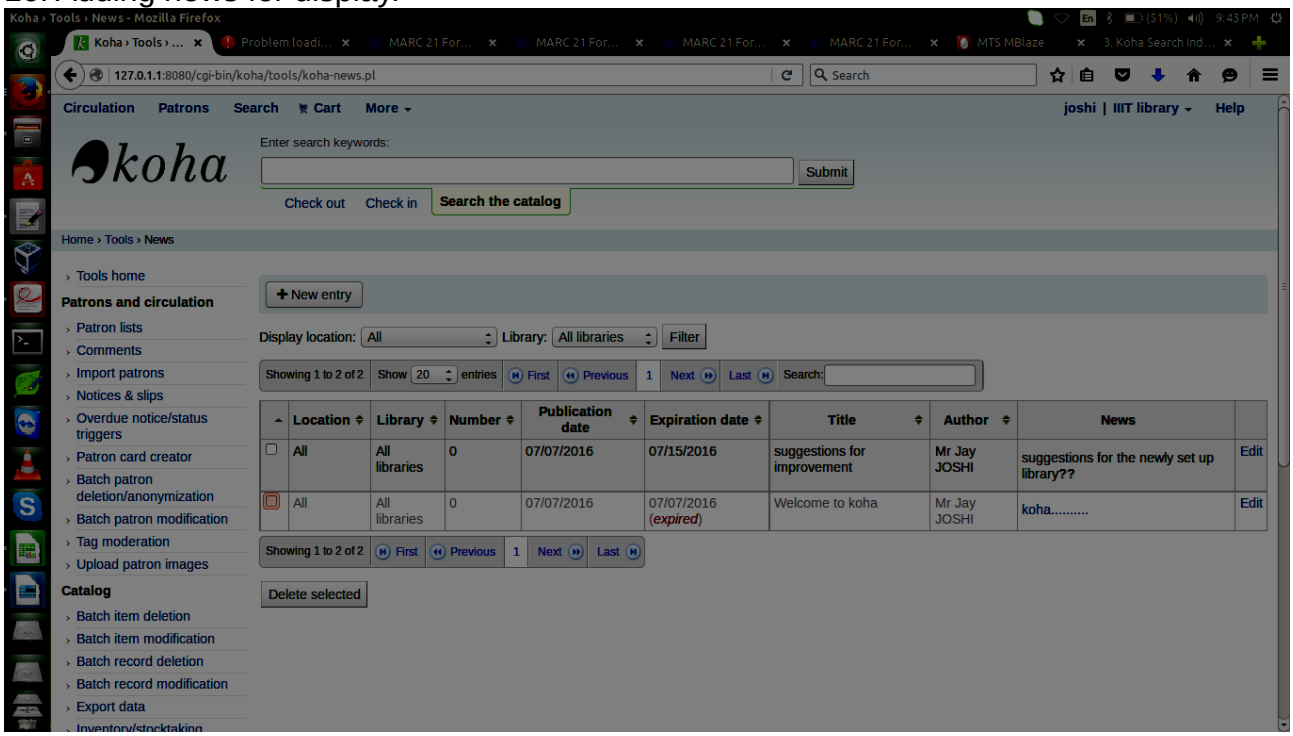
15. Adding books in bulk by converting it into marc. Click on stage marc record for imports and choose the mrc file.

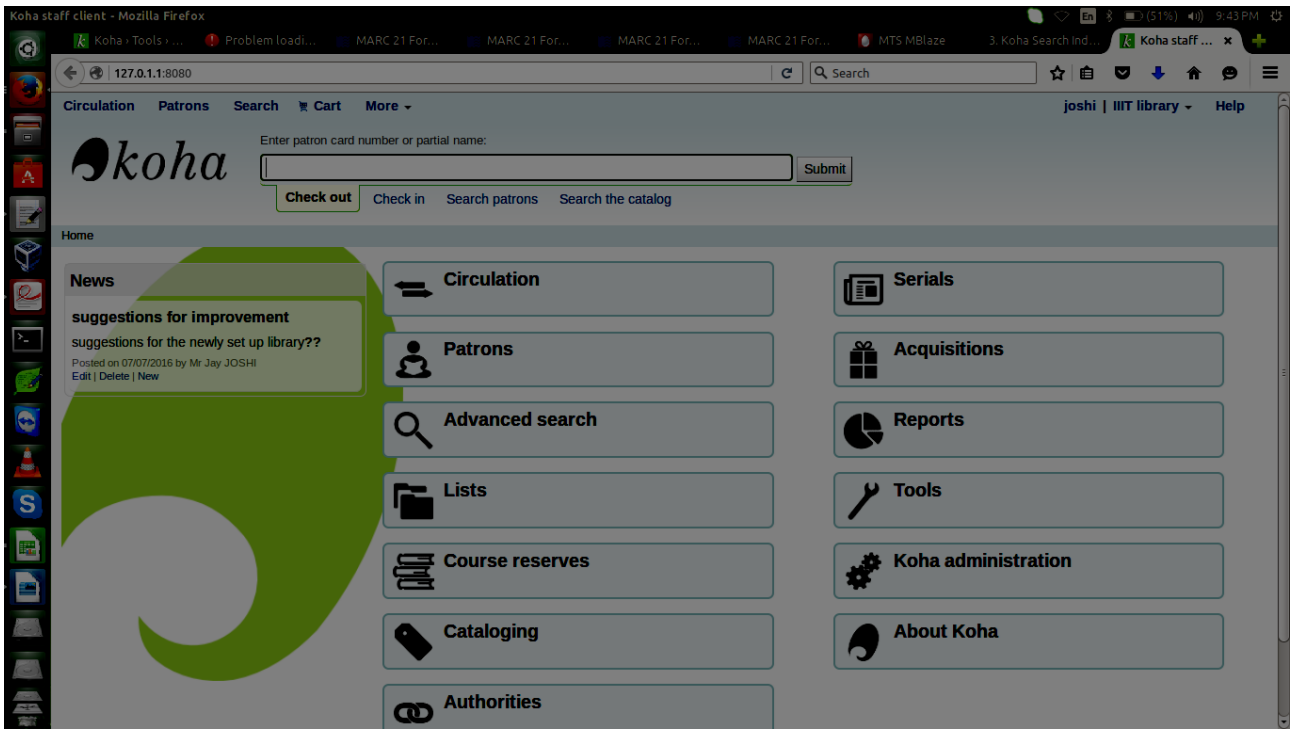
16. Uploading local cover images:
We can upload local cover images either manually or by setting preferences in amazon localcoverimages, google cover images . We can also use the tags of amazon ,Baker and Taylor(http://www.btol.com.), librarything; access amazon site through our libraray url and other 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.

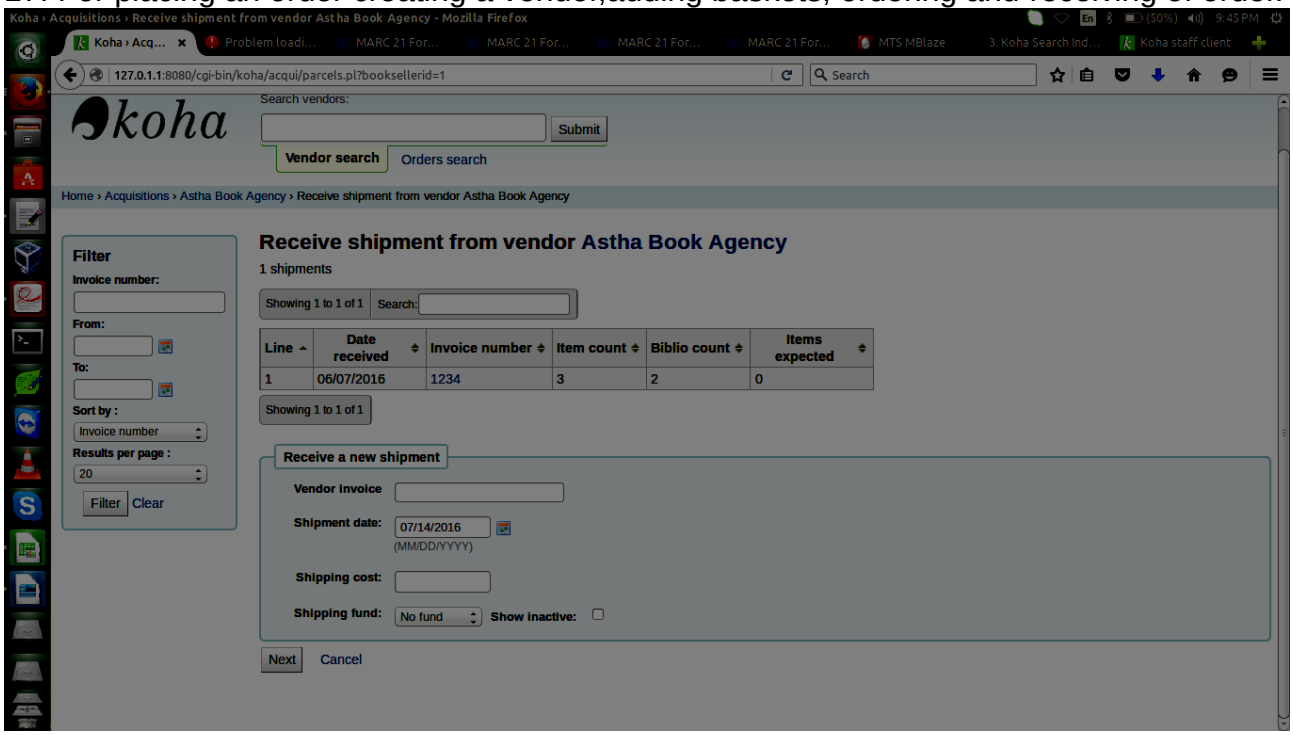
For books cover images,tags, reviews, suggestions: **worldcat.org** refer this site

16. Adding news for display.





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.

REFRENCES:
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.