

# Cuneiform Digital Library Initiative

(Google summer of code Proposal)

## Basic Information

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## PROJECT OVERVIEW

### Title

Design Project

### Abstract

Cuneiform Digital Library Initiative is amazing place for learning and recognition, It has been growing from a normal informative site to a well enhanced, user friendly and accesesible plateform.

The challenge : “Design Project” circles around making CDLI more user friendly with respect to different roles and to imagine and implement more accesible design for admins, editors etc, so that things can go fluently at user end, without creating unnecesary changes in UI & flow with respect to both user & admin side.

Admin Dashboard are critical and sensitive part of any plateform beacuase a slight misunderstanding or mistake might reflect a big problem at user's end.

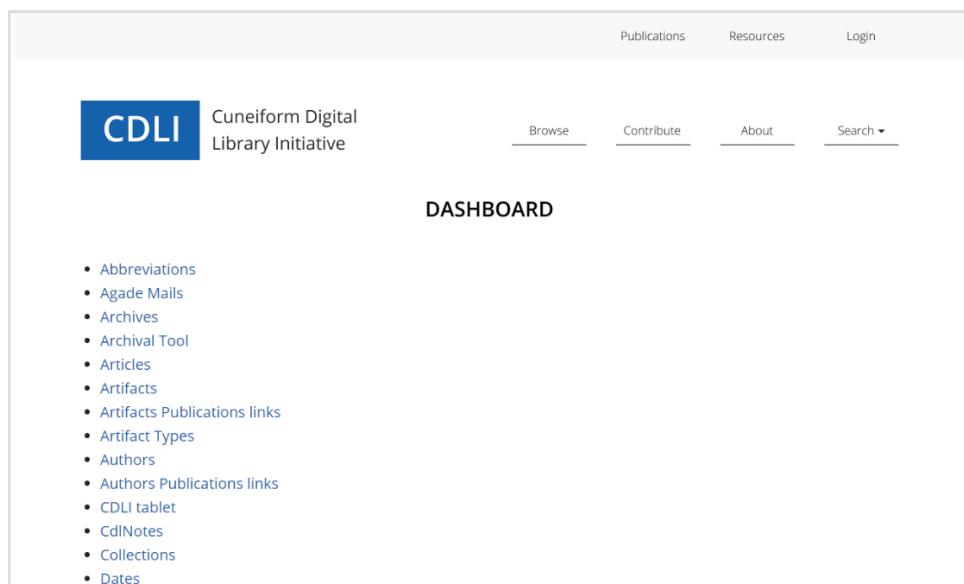
In terms of UI, There needs to be same theme to be followed on various pages i.e. A page shouldn't look completely different from the rest, it must have a resemblance with rest of the site.

Also UI of the most of the edit and add pages is missing and needs to be implemented hence includes merging of Admin and public templates.

## DETAILED DESCRIPTION

### Admin Dashboard

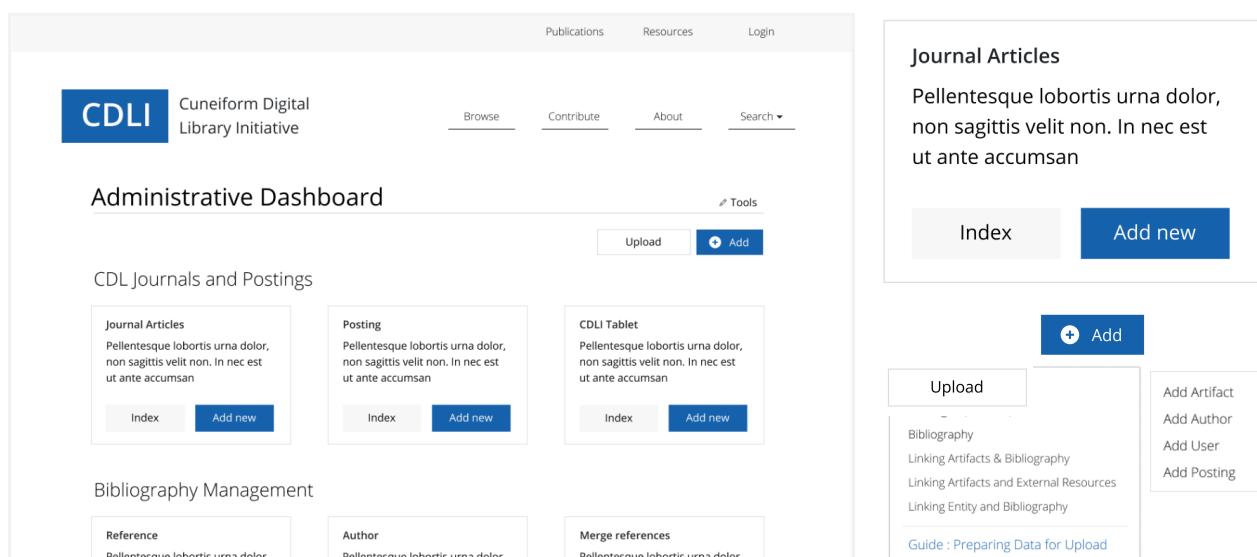
Currently dashboard is just composed of set of links to navigate to some pages and that too isn't covering all links.



The screenshot shows a top navigation bar with 'Publications', 'Resources', and 'Login' links. Below it is a header with the 'CDLI' logo and the text 'Cuneiform Digital Library Initiative'. To the right are 'Browse', 'Contribute', 'About', and 'Search' dropdown menus. The main content area is titled 'DASHBOARD' and contains a sidebar with a bulleted list of links:

- Abbreviations
- Agade Mails
- Archives
- Archival Tool
- Articles
- Artifacts
- Artifacts Publications links
- Artifact Types
- Authors
- Authors Publications links
- CDLI tablet
- Cdlnotes
- Collections
- Dates

I have redesigned the whole Dashboard under the guidance of Emilie, Where we discussed many aspects like: Who will be accessing it, What are total elements required at dashboard, which are the more frequently used elements and hence decided Heirarchy and placement of different elements. Also got to know about access to different elements on the basis of their roles.



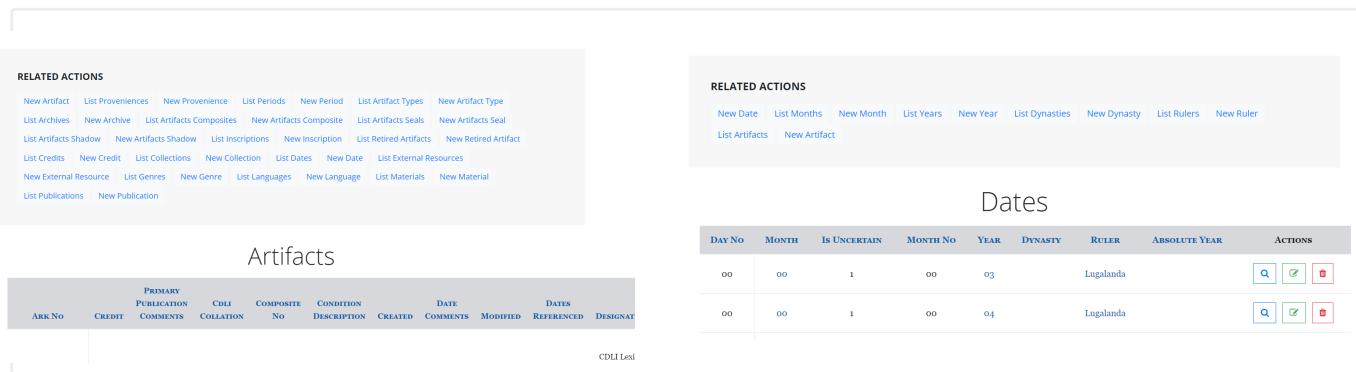
The redesigned dashboard features a top navigation bar with 'Publications', 'Resources', and 'Login' links. The header includes the 'CDLI' logo and 'Cuneiform Digital Library Initiative' text, along with 'Browse', 'Contribute', 'About', and 'Search' dropdowns. The main content area is titled 'Administrative Dashboard' and includes several sections:

- CDL Journals and Postings**: Contains three boxes for 'Journal Articles', 'Posting', and 'CDLI Tablet', each with 'Index' and 'Add new' buttons.
- Bibliography Management**: Contains boxes for 'Reference', 'Author', and 'Merge references', each with corresponding buttons.
- Tools**: A large section on the right containing a 'Journal Articles' summary, 'Index' and 'Add new' buttons, a 'Bibliography' section with 'Upload', 'Add', and 'Merge' buttons, and a sidebar with links for 'Add Artifact', 'Add Author', 'Add User', and 'Add Posting'.

For whole design process visit [issue 75](#) and for complete designs look [here](#).

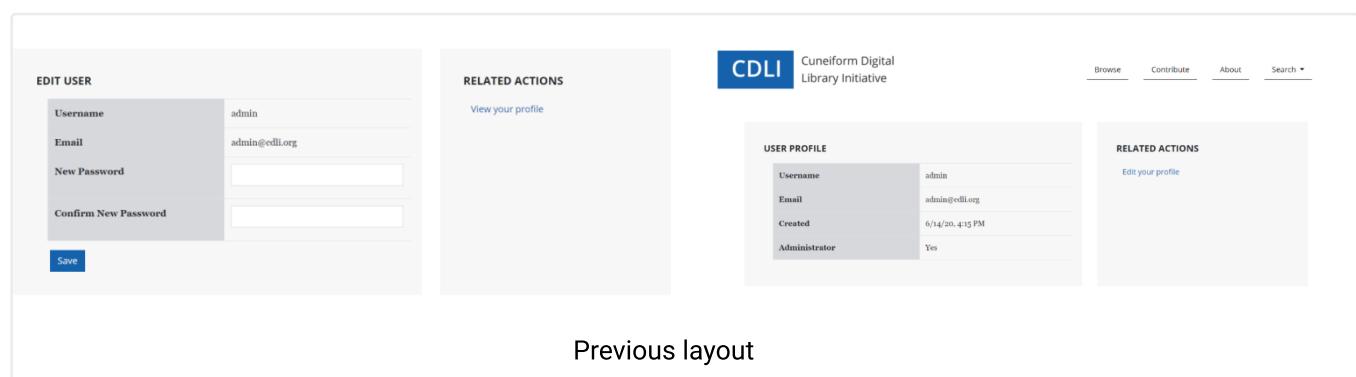
## Remove related actions and adding Breadcrumbs

There are many pages at admin side which have Related action div, which consists links to many pages, However only 1 or 2 will be relevant once Admin dashboard and Breadcrumbs are added, because then users (Admin as well as public) will have a familiar navigation flow.

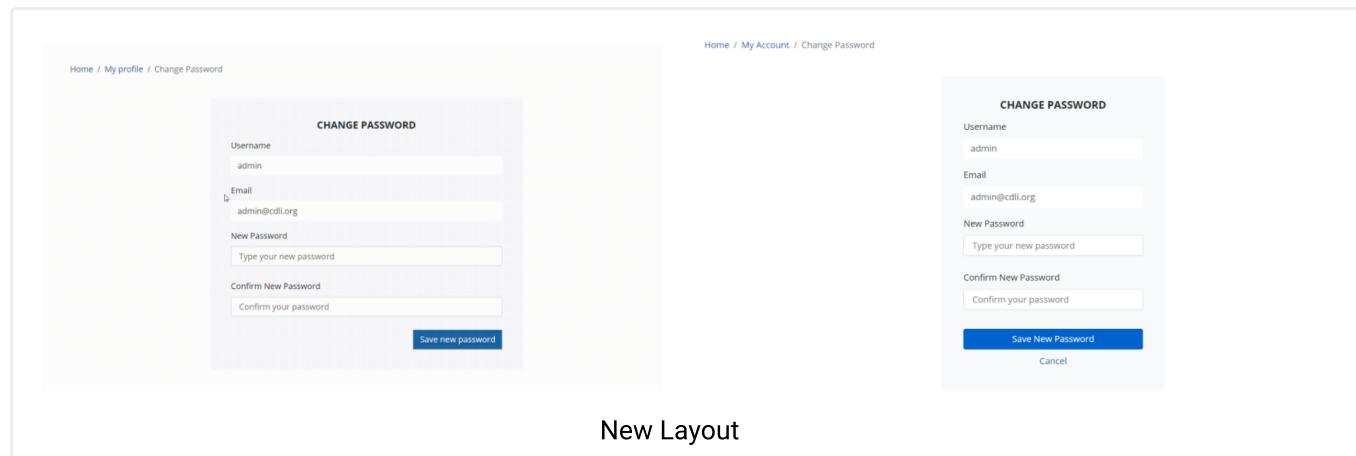


The screenshot shows two versions of an artifact list page. The left version has a 'RELATED ACTIONS' sidebar with many irrelevant links. The right version has a much smaller, more relevant set of links: New Date, List Months, New Month, List Years, New Year, List Dynasties, New Dynasty, List Rulers, and New Ruler. Below these are links for List Artifacts and New Artifact.

For the above idea, I have tried to implement it for User's profile page, Where I redesigned Profile as well as change password screen (previously Edit profile), dealt with UX of password changing process and added breadcrumbs for user's navigation. ([Issue 453](#))



The screenshot compares two user profile pages. The 'Previous layout' on the left shows a separate 'EDIT USER' form on the left and a 'RELATED ACTIONS' sidebar on the right. The 'New Layout' on the right integrates the edit form directly into the profile page under the 'USER PROFILE' heading, making the interface cleaner and more cohesive.



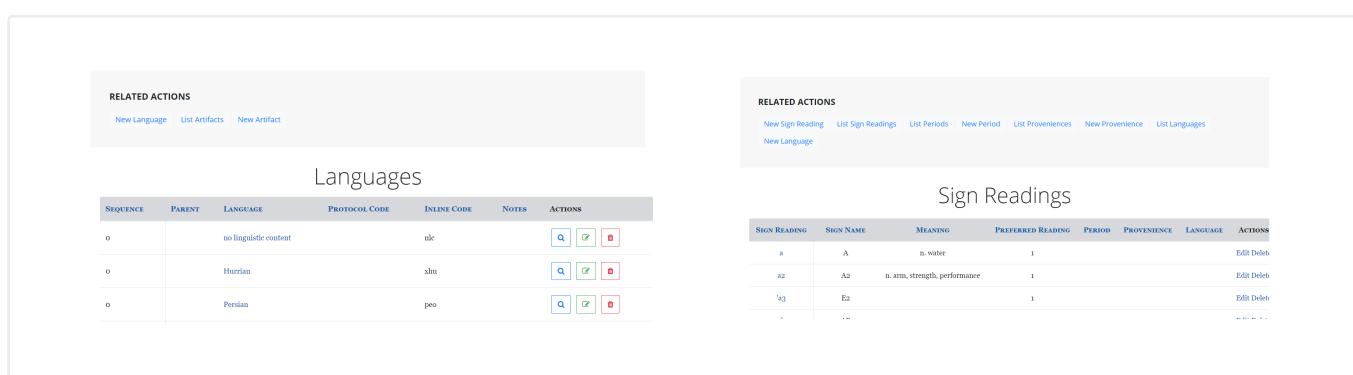
The screenshot compares two change password forms. The 'Previous layout' on the left has a separate 'CHANGE PASSWORD' form with fields for Username, Email, New Password, and Confirm New Password. The 'New Layout' on the right integrates these fields directly into the main profile page under the 'CHANGE PASSWORD' heading, with a large blue 'Save New Password' button at the bottom.

## Index Pages and Merging Admin & Public templates

Since we are removing “Related action tab”, There needs to be a common template to Add, Delete, Edit the entries and other relevant options.

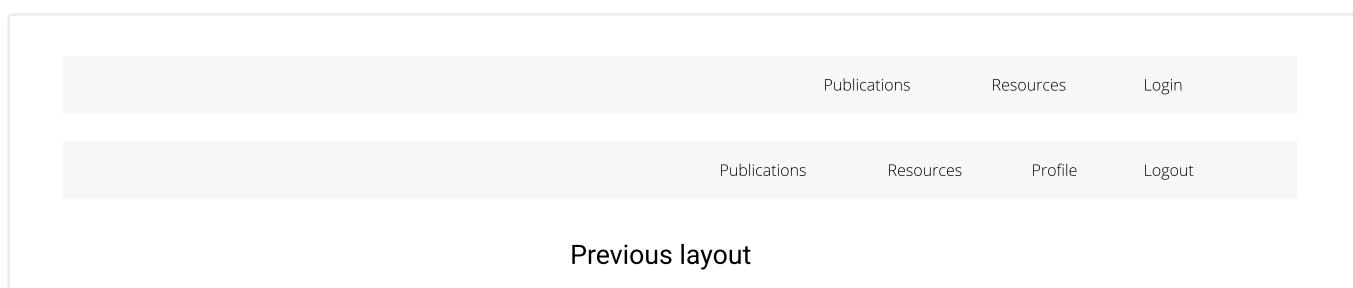
For example: Abbreviation, Authors, Artifacts, Staff, Publication, Date, Rulers etc, Index pages should have a option to “Add” (On basis of roles) and all action columns needs to be similar, On different pages We have used different methods like : text links in some pages, buttons in pages and icons in some pages.

Also presence of delete option is a subjective decision as there are scenarios where we delete things after viewing details of the entry, hence might need to shift Delete option from index to view of entity.

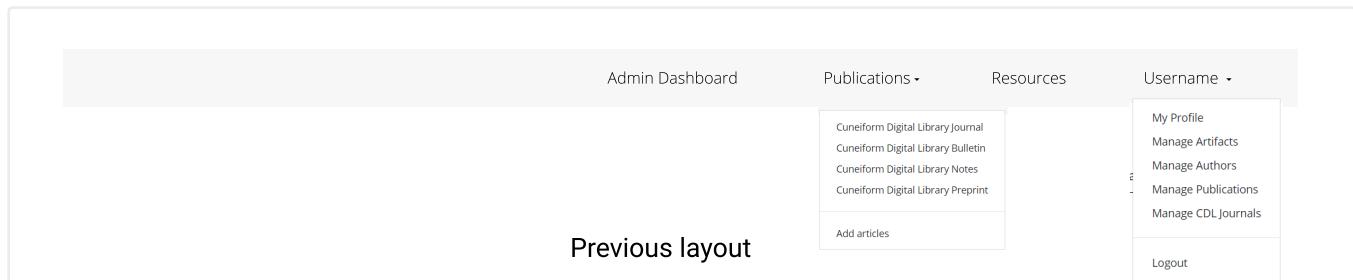


Since normal user and admin/editor will be using same pages, UI will be such that it won't affect each other and Admin's options could be incorporated in UI.

Apart from Index pages there are several elements which needs to be unified for both public side as well as admin and picking up this as issue I merged Header layout template for public as well as admin, where I also incorporated Admin Dashboard option at top nav, Name of the user instead of keyword “Profile”, option of logout inside dropdown with other option like managing journals, Authors, Artifacts and publication on the basis of assigned roles to the current user. Check [issue 375](#) and [Merge #223](#) for more details.



Previous layout

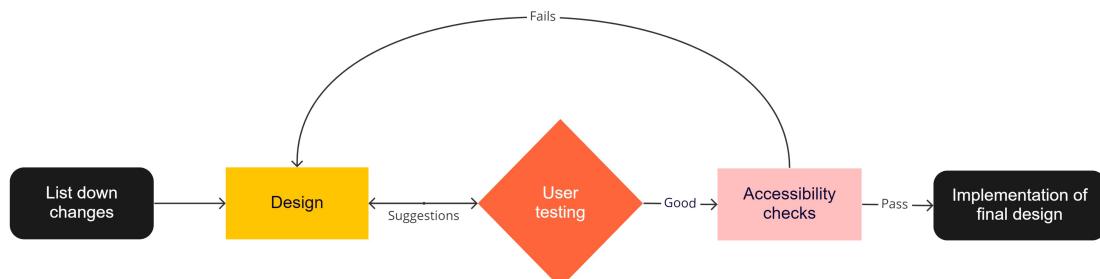


Previous layout

Since these templatetes will also be used at public side, we need to check for the accessibility, and must obtain atleast level AA standard according to WCAG.

Once design would be done, I would be using WAVE and JAWS to test for the accessibility.

My design process will be :



## Adding UI to Edit and Add pages

While diving more inside Admin side, I found out there is almost no UI for edit pages, there is just skeleton made out of HTML code, which needs to be done by CSS (Sass) and Bootstrap.

The image shows four screenshots of the CDLI Admin interface:

- Edit Date:** A form with fields for Day, Month, Year, and Dynasty, along with a 'Day Remarks' text area and dropdowns for Uncertain and Dynasty.
- Related Actions:** Links to Delete, List Dates, List Months, List Years, List Dynasties, List Rulers, and List Artifacts.
- Edit Dynasty:** A form with fields for Polity, Dynasty, Sequence, and Provenience, with a 'Submit' button.
- Related Actions:** Links to Delete, List Dynasties, List Proveniences, List Dates, and List Rulers.
- Edit Abbreviation:** A form with fields for Abbreviation, Fullform, Publication, and Notes, along with a 'Submit' button.
- Related Actions:** Links to Delete Abbreviation, List Abbreviations, List Publications, and List Abbreviations.
- Edit Language:** A form with fields for Sequence, Parent, Language, Protocol Code, and Notes, with a 'Submit' button.
- Related Actions:** Links to Delete, List Languages, List Parent Languages, New Parent Language, List Artifacts, and New Artifact.

## Adding About page

In CDLI's header menu we have option of About page, I want to implement about page which will include overview of the CDLI, its motive and about the team and their efforts.

## Timeline

- **13 April - 17 May**

- Read about entities associated with CDLI like articles, journals, artifacts etc.
- Get more familiar with code and database.
- Dive deeper into concepts of WCAG 2.1.

- **17 May - 7 June**

- Know more about different roles and their access.
- Community bonding.
- Identify need of visuals ( Illustrations ) on different pages like 404 page, Login page, Signup page etc and make them on Adobe illustrator

- **WEEK 1-2 (7 June - 21 June)**

- Finalise Design for the Dashboard.
- User testing and implement suggestion as well as conclusions of testing.
- Implement UI of Dashboard.

- **WEEK 3-5 (21 June - 5 July)**

- Design one common UI template for add and edit pages.
- User testing and enhance design on basis suggestions from Admins/editors.
- Implement add and edit UI across whole Admin module.
- Implement illustrations and visuals.

- **WEEK 6-7 (5 July - 26 July)**

- Implement changes suggested in Evaluation 1.
- Design a common template to be applied index pages to replace “Related action” hence merge Admin and public templates with role access in mind.
- Design “About” page.
- Achieve atleast Level AA score according to WCAG norms.

- **WEEK 8-9 ( 26 July - 10 August)**

- Implement new index page UI across whole framework.
- Implement breadcrumbs in public as well as admin screens for fluent navigation.
- Implement “About” page.

- **WEEK 10 (10 August - 16 August)**

- Add appropriate comments, guidelines to other developers.
- Cover up left tasks (if any).
- Improve code quality and fix bugs (if any).
- Final testing.

- **FINAL EVALUTION**

- Documentation of code.
- Submit Final Evaluation.

## Why me?

I have been contributing in Development as well as in UI UX Design for 2 years now, designing something then implementing it is similar to orchestrate a stage for a play, where our users are their actors and we aid them for every possible circumstances.

There are few people or organizations out there those care about accessibility of a website, and CDLI has always considered it as their priority policy, it really motivates me to contribute more in this welfare organization.

I have been contributing into CDLI for some weeks and Yes I am sure this is the place and people where I want to spend my summers and with keeping it in mind I have already started working on objectives of Design challenge.

I started with solving menu discrepancies, merging menu layout for admins and public side, taking more insight about different user roles's interaction with Admin Dashboard, hence prepared design for it with inputs of Emilie, more detail about my contributions is listed below.

## Contributions to CDLI

- #223 ( Merged )
  - Updated a dropdown with username instead of keyword "Profile".
  - Implemented role based elements in Menu and its sub dropdown.
  - Implemented same layout for headers which hence solve menu discrepancies.
  
- #226 ( Merged )
  - Fixed CDLB template.
  
- #250 ( Merged )
  - Removed related action tab from Profile and edit profile.
  - Redesigned both pages and implemented it with enhanced UI UX.
  
- #254 ( Open )
  - Added Breadcrumb as component.
  - Implemented breadcrumb component in profile and edit profile page.
  
- #260 ( Open )
  - Merged header menu layout for all roles with role specific access.
  - Implemented responsiveness via side menu conversion.

## My Past Projects

### COPAL 19 - Web Developer (MERN)

It was an social project under AIIMS Delhi, where we were supposed to develop a portal for covid cured people to register themselves for plasma donation which was part of Plasma therapy to cure COVID severe people by injecting antibodies via plasma and a portol for hospitals for record of registered people.

My task was to develope portal for cured patients.

### Thomso website - Web Developer

Thomso is our college autumn fest where more than 10K people become part of it, this year we conducted 102 events in span of 4 days, As a developer I helped in making of website for payment portol and to know the different events.

### Rapidalley - Web Developer & Designer

Rapidalley is a studio which fulfils people need by digitalizing their buisness, we understand user's problem statement, break it into smaller section, design it and later develop it. Here I have worked on 2 projects : Taxxman and Sportified , where one was a Law based forum application and another was to book different sports venues.

### Forminator (IMG) - Web Developer & Designer

IMG is a campus group at IIT Roorkee which designs and develop applications for whole campus audience for their basic needs.Forminator is a application where faculty as well as students can make their forms and we can ease this process because of our database that have everyone's details ( Basically google form but more convienient :) )

## My other commitments

I have no other commitments for summer this year, I am looking forward to contribute in CDLI as a GSoc intern in summer. I can work for 40+ hours a week and definately it's going to be task dependent irrespective how much more time i have to give to complete it.