## horizontal line



Annotation tool design

TagIT

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# Overview

To study different annotation tools and design a web annotation tool for the manual annotation and event extraction.

# Workflow

1. Functionalities and Highlights of the tools to be designed by the team
2. Type of users, permission, their roles, and which pages they can access.
3. Wireframe of each page and flow/transition from one page to other pages.
4. Database design
   1. How many tables should be there
   2. Schema of each table
   3. Queries required to access the result of each page facilities.

# Tools/Languages Used

## Frontend:

* + Bootstrap
  + HTML
  + CSS

## Backend:

* + Node js

## Database:

* + MySQL

# Features of tool

## Text spanning

* Named Entity annotation
* Event Annotation
* Working in organizations
* Provided documentary
* Analysis of work progress

# User’s description

**Non account holder:**

* Can access:
* Home Page
* About Page
* Sign Up Page
* Login Page

To use the tool to annotate one must create an account to upload and modify their documents.

**Account holder:**

**-Admin of an organization:**

1. Can see any of the user’s docs
2. Can see the progress on a particular doc (detail analysis of work through pie chart , graph will we shown there ) ;
3. Can make new organization in which a group of user can work
4. Can add , remove any user from any organization.

**-User under an organization:**

1.Can annotate in that file,which is assigned;

2: can work only in that organization in which the admin had added .

# Wire Frame

The wireframe is designed using an online tool [uizard.io](https://uizard.io/?utm_source=google&utm_medium=cpc&utm_campaign=T1%20S0%20Brand%20%5BEU%5D&utm_content=Brand%20-%20Phrase&utm_term=uizard&utm_id=17367390202&gclid=CjwKCAjwwo-WBhAMEiwAV4dybdTa8B1XSX0EXBGu-PLaysMI7ZfbOK8MF_n1_Jw1AwdLsXcthfak3hoCZ3wQAvD_BwE) .The page view and the transition flow are given and the preview of how the website looks and works can be seen.

The link for the wireframe is: <https://app.uizard.io/p/30f91468>

# Database Design

## Table of Organizations

The table contains the details of all the registered organizations

Schema:

-OrganizationID : The specific ID assigned to the organization

-OrganisationName: Name of the organization

-AdminId : Id of the admin of the organization

-AdminPassword : Password of admin

| S.no | OrganizationID | OrganizationName | AdminID | AdminPassword |
| --- | --- | --- | --- | --- |
| 1 | 0001 | NIT SILCHAR | Admin\_NITS | ADMIN@123 |
| 2 | 0002 | IIT GUWAHATI | Admin\_IITG | ADMIN@256 |

## Table of Individual Organization

The table contains the details of users and their roles in the organization

Schema:

-UserId

-UserName

-UserPassword

-UserRole (Admin/User)

| S.no | UserId | UserName | UserPassword | UserRole |
| --- | --- | --- | --- | --- |
| 1 | 0001 | Admin\_NITS | ADMIN@123 | ADMIN |
| 2 | 0002 | XYZ | user@345 | USER |
| 3 | 0003 | PQR | user@789 | USER |

## Table of Docs of user

This table contains all the documents uploaded by the admin to any particular user.

Each user has a table of docs.

Schema:

-DocId

-DocName

-DocContent

| S.no | DocId | DocName | DocContent |
| --- | --- | --- | --- |
| 1 | 0123 | Project1 | Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies nisi. Nam eget dui. Etiam rhoncus. Maecenas tempus, tellus eget condimentum rhoncus, sem quam semper libero, |
| 2 | 0124 | Project2 | Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts. Separated, they live in Bookmarksgrove right at the coast of the Semantics, a large language ocean. A small river named Duden flows by their place and supplies it with the necessary regelialia. It is a paradigmatic country, in which roasted parts of sentences fly into your mouth. Even the all-powerful Pointing has no control over the blind texts it is an almost orthographic life One day however a small line of blind text by the name of Lorem Ipsum decided to leave for the far World of Grammar. The Big Oxmox advised her not to do so, because there were thousands of bad Commas, wild Question Marks and devious Semikoli, but the Little Blind Text didn’t listen. She packed her seven versalia, put her initials into the belt and made herself on the way. |

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## Table of Individual Doc

Will contain the annotations done on a particular document

Schema: RowNo, ColumnSpan, Word, Annotation

Ex:

Ram is **going** to school

Ram is **excited** to see you

| S.no | RowNo | ColumnSpan | Word | Annotation |
| --- | --- | --- | --- | --- |
| 1 | 1 | 7 - 11 | going | General |
| 2 | 2 | 7 - 13 | excited | Mental state |

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