

# Kanban

## Author

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I conferred my graduation degree from Sri Sathya Sai Institute of Higher Learning, currently giving my full time and attention to the IITM BS online degree.

## Description

I am making this project because I feel in this 21st century where everyone is going towards multitasking and each and every task is bound with deadlines it becomes very important to make an app like Kanban to help them organize their task and set priority according to deadline.

## Technologies Used

**Flask** :- It's a basic framework I am using for backend development.

**Flask\_sqlalchemy** :- This extension of flask I am using for working with database.

**flash** :- I am using this for popping errors or any other messages

**Matplotlib** :- I am using this for working with graphs

**datetime**:- I am using this to get the current date and storing dates for deadline

I am taking help for my variable html content from an inbuilt library like **jinja2** and for moving from one page to another I am using **render\_template, redirect**.

## Db Schema Design

It has 3 tables:

- **User** :-table for storing information about users
  - user\_id**: Auto Incremented unique id of the user.
  - user\_name**: Username of the user.
  - email\_id**: password of the user.
  - passw**: Email of the user.
- **List**:- table for storing information about task
  - list\_id**:Auto incremented unique id of the task.
  - user\_id** : unique id of the user.
  - I\_name**:Name of the task.
  - I\_description** : Description of the task.
- **Card**: table for storing information about the card
  - card\_id** : Auto incremented unique id of the card.
  - user\_id** : unique id of the user.

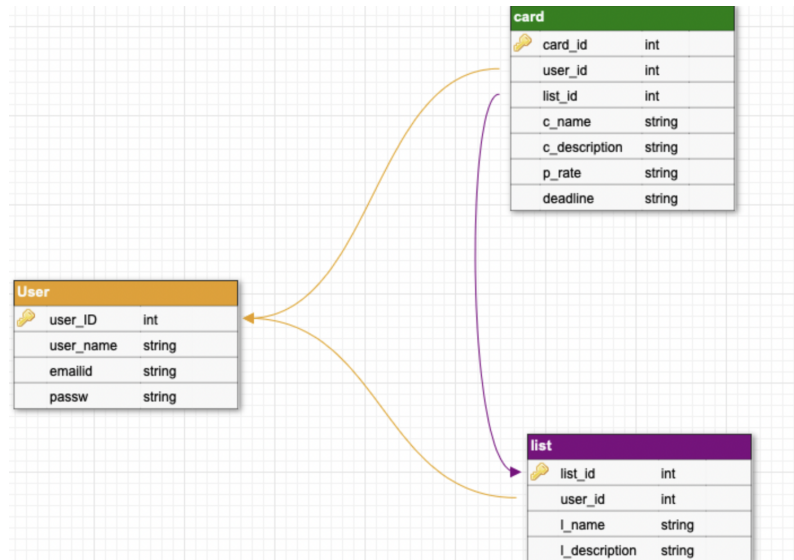
**list\_id** : unique id of the task

**c\_name**: Name of the card.

**c\_description** : Description of the card.

**p\_rate**: Progress rate of card.

**deadline** : deadline of card



DB Design of Database

## Architecture and Features

There are 2 folders:

- **Static**: It contains all the images used in the Project.
- **Templates** : It contains all the html templates used in the project.

**SignIn and Signup page** :- If the user is a new user then they need to signup in the site by using their credentials and if they are an existing user then they can just sign in and access their dashboard.

**Dashboard** :- In the dashboard they can view all their tasks and cards under the particular task.

**Functionality of task**:- Users can edit task name and task description ,delete their task and create new task.

**Functionality of card**: Users can create delete and edit their card name,card description,progress rate,deadline and they can even move their particular card to another task

**Summary**: It contains the bar chart displaying the overall progress rate of cards under a particular task.

**Logout**: From here users can log out from the site.

## Video

<https://drive.google.com/file/d/1U4NJGWME3NNbTFbtAjN49jrwGb6NfB8W/view?usp=sharing>

