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Description

Kanban provides improvements in the workflow. With visual representation of the workflow, speed of moving from one task to another is reduced. This is accomplished through the creation of clearly marked flow lanes, Kanban cards and clearly marked columns to indicate where each item is in the workflow.
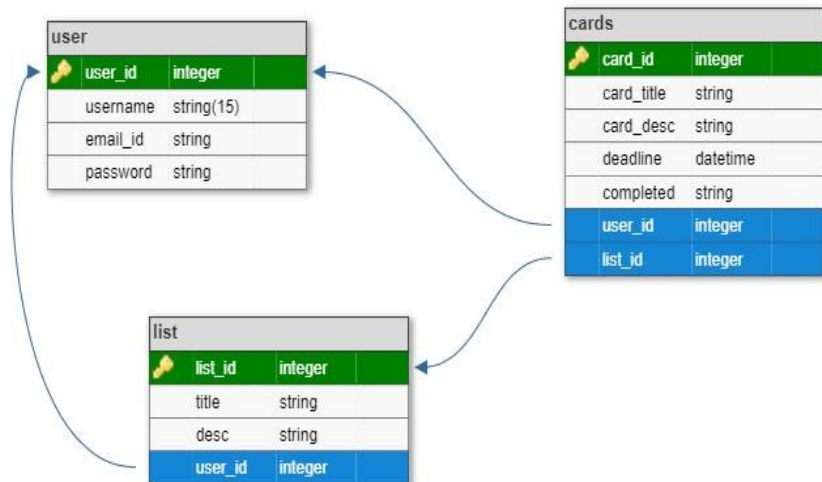
Technologies used

- **Python**: for basic backend Implementation like API.
- **Flask_sqlalchemy**: for implementing Database.
- **DateTime**: for storing the date for the deadline.
- **Matplotlib**: for visualizing graphs.
- **VueJS**: for Frontend, Fetching data from API.
- **JWT**: for giving Security of user data, others could not Access any other people data.
- Some inbuilt libraries like **jinja2**, **render_template**,**flask_restful**,**marshal_with**
- **Celery**: to show A mail also repeat something again and again.
- **Redis**: to show Caching

DB Schema Design

There are 3 Tables in the DB.
- **User** table
    Store details about users registered.
    user_ id: Unique id of the user.
    username: Username of the user.
    password: password of the user.
    email_ id: Email of the user.

- **List** table
    Stores all the decks.
    list_ id: Unique id of the list.
    title: Name of the list
    desc: Description of the list.
    user_ id: user_ id of the
user

- **Card** table
    Store details about all cards
    card_ id: Unique id of the card.
    card_ title: Name of the card.

card_ desc: Description of the card.
deadline: deadline of the card.
Last_seen: when card was created/updated.
Completed: status of the card.
user_ id: user_ id of the user.
list_ id: Unique id of the list.

DB Design of Database

Architecture and Features

- **sign-in / sign-up system**: Here user can fill in all details for creating a new account and after that user will be able to do a sig-in and then one token is generated for security.

- **Dashboard**: This page has all lists and tasks where you can edit and delete particular lists and cards and also see the deadline of the task and the status of a card.

- **Functionality of List**: Here, the user can create, delete, and update a list name and description and also find export button where the user can access all data.

- **Functionality of Task**: Here the user will be able to create, delete and update cards and cards have a deadline and status of a card that represents the task is complete or Incomplete.

- **Summary Page**: This page defines the Number of all Complete ,Incomplete , and those task whose deadline has been passed,   and also represents a Graph that shows how many Tasks were completed, Pending, and that Task whose deadline has passed.

Video

https://drive.google.com/file/d/1KJ9y0581DlFNWLxM9HJOWkTfAoqyg1Kx/view?usp=sharing