

MAD 2 PROJECT REPORT

KANBAN APP

This is a detailed report for the September term MAD-2 project, it gives an overview of the project, it gives an idea about the database schema, architecture, features and technologies used in the project.

AUTHOR

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ABOUT - I am a student of iitm online BS degree and I am tech enthusiast.

DESCRIPTION

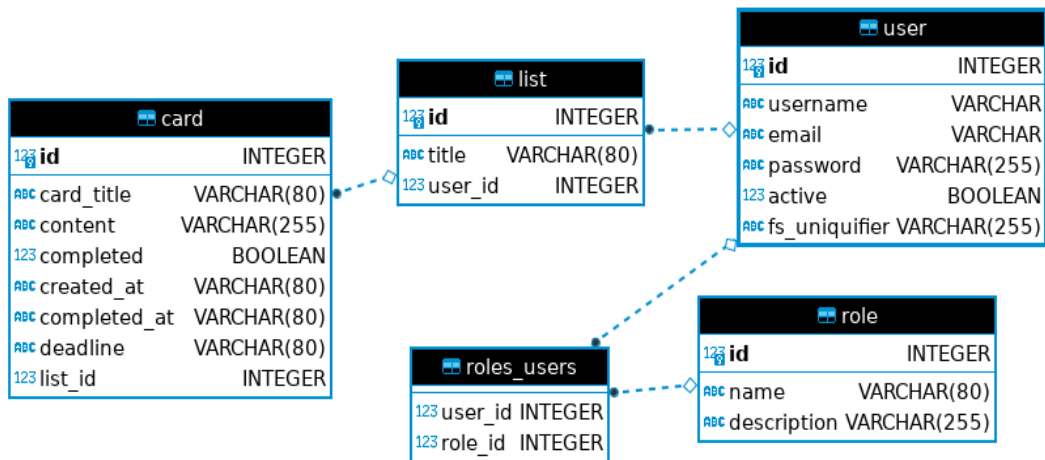
We have to make a Kanban app which is basically a Kanban board which helps us manage our daily tasks, our main focus is front end which is needed to be done using Vue front end framework.

TECHNOLOGIES USED

FOR BACK END - Python, Flask, Flask-sqlalchemy, flask_restful, flask-security-too, bcrypt, flask-cors,
Flask-caching, Redis, Celery, Mailhog, pdfkit

FOR FRONT END - Vue , Javascript, Vue-Bootstrap, Vue-chart.js.

DB SCHEMA DESIGN



FEATURES

Following are the list of features of the app –

- Login/Signup page, Logout option.
- Kanban board view.
- CRUD operations on lists and cards.
- Summary of lists and cards, bar graph.
- API's for backend
- Backend export jobs and scheduled jobs like – daily reminders and monthly reports(using celery).
- Caching(using redis).

ARCHITECTURE

FOLDERS

- ▼ appdev_final_project_copy
 - ▶ .env
 - ▶ __pycache__
 - ▼ application
 - ▶ __pycache__
 - /* api.py
 - /* cache_setup.py
 - /* celery_setup.py
 - /* controllers.py
 - /* convert_csv.py
 - /* database.py
 - /* date_convert.py
 - /* get_api.py
 - /* models.py
 - /* report_pdf.py
 - /* send_email.py
 - /* tasks.py
 - ▶ frontend
 - ▶ static
 - ▼ templates
 - <> download_temp.html
 - <> reminder.html
 - <> report_mail.html
 - <> report_temp.html
 - celerybeat-schedule
 - dump.rdb
 - final_project_copy.sqlite3
 - /* main.py
 - requirements.txt

- ▼ frontend
 - ▼ src
 - /* form.css
 - /* list.css
 - /* login.css
 - /* toggle.css
 - ▼ view
 - /* card.js
 - /* card_update.js
 - /* form.js
 - /* list.js
 - /* list_update.js
 - /* login.js
 - /* new_summary.js
 - /* signup.js
 - /* summary_page.js
 - /* CustomFetch.js
 - <> index.html
 - /* main.js

VIDEO

Below is the video link of the Kanban app demonstration-

https://drive.google.com/file/d/1rEcZt6YLWq_gK67Z9cpXwhVt0pFA9YEi/view?usp=share_link