Author

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I'm in my 4th Term in this BSc Degree and I like to build websites.
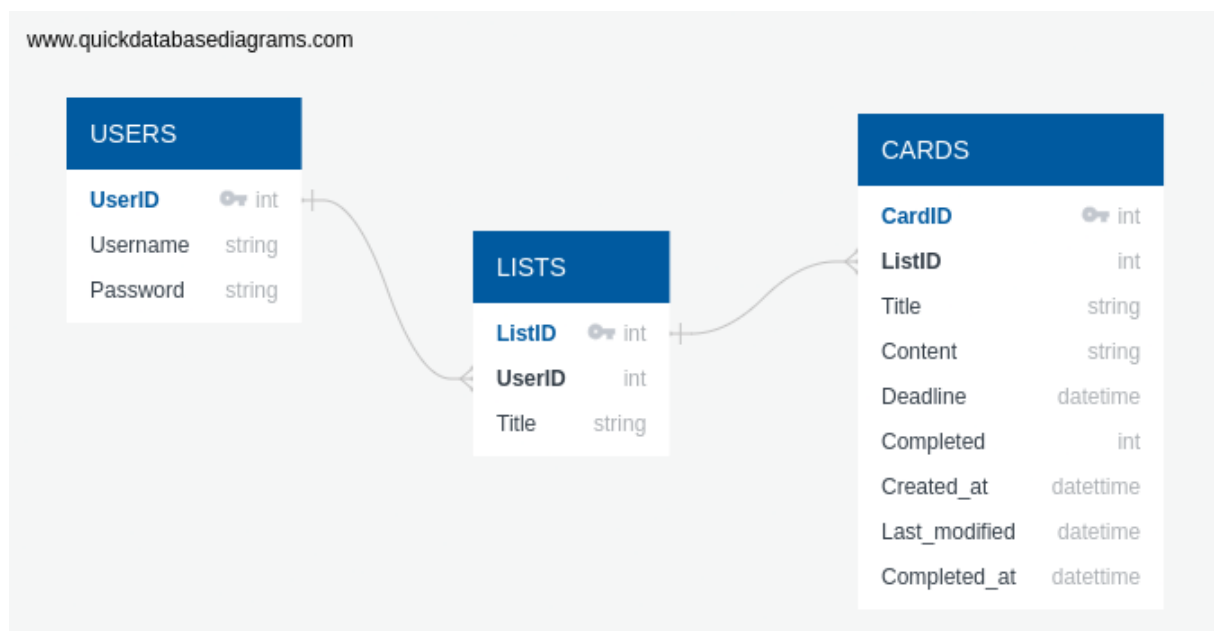
Description

We need to create a basic Kanban Board where each user can create multiple lists and each list can have multiple cards that can be moved across lists. Each task will have time associated with it that will keep track of when it was created, modified or completed. Summary page with graph to show how the user is performing.

Technologies used

- Flask_Session for Session Management.
- Bootstrap 5 for HTML generation and styling.
- Chart.js for generating Summary Graphs.
- Flash with Bootstrap 5 Alert for Validation Messages.
- Feather Icons for Icons.

DB Schema Design

API Design

Endpoint	Name	Request-Type	Parameters
/signup	Signup	POST	-
/login	Login	POST	-
/logout	Logout	GET	-
/addlist/<uid>	Add List	POST	user-id
/editlist/<id>	Edit List	POST	list-id
/deletelist/<id>	Delete List	GET	list-id
/addcard/<lid>	Add Card	POST	list-id
/editcard/<id>	Edit Card	POST	card-id
/movecard/<id>	Move Card	POST	card-id
/completed	Mark Complete	GET	card-id, value
/deletecard/<id>	Delete Card	GET	card-id
/carddata	Card Data	GET	-

Architecture and Features

The root folder contains the controller named main.py and two folders named templates and static. The templates folder consists of all the HTML files while the static folder contains two folders, one named css for css files and one named js for js files.

Default features like Card and List Management are implemented using CRUD APIs. All the users are managed through sessions implemented using Flask_Session. Regex is used for Backend Validation and Chart.js for showing Graphs. All the validation messages are shown using Flash and Bootstrap Alerts.

Video

[Link to Video.](#)