Project Document

Diagram

Description automatically generatedDesigning Database

Programming database

Chosen MySQL because it is: <https://www.w3schools.com/mySQl/mysql_intro.aspt>

* a RDBMS
* open source
* free
* ideal for both small and large applications
* very fast, reliable, scalable, and easy to use
* cross-platform

APIs: GET POST PUT PATCH DELETE

browser api: api for manipulating documents loaded into the browser. DOM api,

fetch api: fetch data from server to update small sections of a webpage

[www.myproject.com/login](http://www.myproject.com/login) ?username/password (verify login)

[www.myproject.com/register](http://www.myproject.com/register) (api for register login)

[www.myproject.com/home](http://www.myproject.com/home) /User\_id/submission (home page for the user with title view of submission)

[www.myproject.com/profile](http://www.myproject.com/profile) /User\_id (user profile page that has including account information)

[www.myproject.com/submission](http://www.myproject.com/submission) /Submission\_id (viewing a submission)

[www.myproject.com/submit](http://www.myproject.com/submit) ?Submission\_id (page for submitting files)

domain name: myproject.com

api: myproject.com/api

Submissions

submissions GET get all submissions

submissions/{id} GET get submission with id

submissions/{id}/view GET read submission with id

submissions/{id}/comments GET get the comments for submission with id

submissions/{id}/comments/add POST add a comment for submission with id

submissions/{id}/comments/delete DELETE delete a comment for submission with id

submissions/{id}/delete DELETE delete the submission with id

submissions/{id}/edit UPDATE update the submission with id

submissions/{id}/upvote POST upvote the submission

submissions/{id}/accept GET get submission with id

Comments

comments GET get all comments

comments/{id} GET get comment with id

comments/{id}/delete DELETE delete comment with id

comments/{id}/edit UPDATE edit comment with id

comments/{id}/upvote POST upvote comment with id

Users

users GET get all users

users/{id} GET get user with id

users/{id}/type GET get type of user with id

users/{id}/course GET get course of user with id

users/{id}/submissions GET get submissions from user with id

users/{id}/submissions/delete DELETE delete submissions from user with id

users/{id}/submissions/add POST add submissions from user with id

users/{id}/submissions/edit UPDATE edit submissions from user with id

users/{id}/comments GET get comments from user with id

users/{id}/comments/add POST add comments from user with id

users/{id}/comments/delete DELETE delete comments from user with id

users/{id}/likes GET get likes from user with id

Likes

likes GET get all likes

likes/{id} GET get likes with id

course

course GET get all courses

course/{id} GET get course with id

course/{id}/users GET get users on course with id

course/{id}/submissions GET get submissions on course with id