API Specification Document

Version	Date	Author	Description
1.0	10-10-2024	Rohith	Initial draft

REGISTER:

Registers a new user with email and password.

Method	URL
POST	user/register

Request

Parameter Name	Description	Type & Length
email	User's email	String
Password	User's password	Password

Response

Parameter Name	Description	Type & Length

200	"Success "	
501	{"error":"Username and password invalid}	

LOGIN:

This is the page for the Admin to view and the data of the website.

Method	URL
POST	user/login

Response

Parameter Name	Description	Type & Length
token	Generated jwt token	
200	'Success'	
401	{status:"fail",message:"Authentication failed"}	

ROLE:
Here Admin can manage Users

Method	URL

POST	user/role

Request

Parameter Name	Description	Type & Length
role	User selected role	String

Response

Parameter Name	Description
200	OK
500	Something went wrong

PROFILE

Method	URL
GET	user/profile

Response

Parameter Name	Description	Type & Length
200	'Success'.	
email	Email of user	string
name	User name	string
role	User role	string

Profile image	Users profile image	
Course enrolled	The name of courses	

EDIT PROFILE:

Admin edits users.

Method	URL
PUT	user/profile/edit

Request

Parameter Name	Description	Type & Length
name	User name	string
Profile image	User profile image	string

Response

Parameter Name	Description	Type & Length
200	'Success'.	

GET STUDENTS

Method	URL

GET	user/student/profile

Response

Parameter Name	Description	Type & Length
200	'Success'.	
email	Email of Students	string
name	Students name	string
role	Students role	string
Profile image	Students image	

CREATE COURSE

Teacher creates courses

Method	URL
POST	course/create-course

Request

Parameter Name	Description	Type & Length
title	Course title	string
description	Course Description	string

Response

Parameter Name	Description	
200	'Success'.	
500	Something went wrong	

UPDATE COURSE

Teacher updates courses

Method	URL
POST	course/update-course

Request

Parameter Name	Description	Type & Length
title	Course title	string
description	Course Description	string

Response

Parameter Name	Description	
200	'Success'.	
500	Something went wrong	

GET COURSE

Users can get courses.

Method	URL
GET	/course/id

Request

Parameter Name	Description	Type & Length
title	Course title	string
description	Course Description	string

Response

Parameter Name	Description
200	OK
500	Something went wrong

DELETE COURSE

Users can delete courses.

Method	URL
DELETE	course/delete-course/id

Response

Parameter Name	Description
200	OK
500	Something went wrong

CREATE QUIZ

Admin can edit details about the user..

Method	URL
POST	course/quiz

Request

Parameter Name	Description	Type & Length
Title	Quiz title	String
Questions	User name of the user	Array

Response

Parameter Name	Description
200	'Success'.
500	Something went wrong

SUBMIT QUIZ

Users submit answers.

Method	URL

POST	course/quiz/submit

Response

Parameter Name	Description
score	Score
200	OK

DELETE QUIZ

Users can delete quizzes.

Method	URL
DELETE	course/quiz/delete-quiz/id

Response

Parameter Name	Description
200	OK
500	Something went wrong

CREATE ASSIGNMENT

Here admin can block users

Method	URL

POST	course/assignment

Request

Parameter Name	Description
Title	Assignment title
description	Assignment description

Response

Parameter Name	Description
200	OK

DELETE ASSIGNMENT

Users can delete assignments.

Method	URL
DELETE	course/assignment/delete-assignment/id

Response

Parameter Name	Description
200	OK
500	Something went wrong

LIVE CLASS

Schedule a live class.

Method	URL
POST	live/schedule

Request

Parameter Name	Description
date	Live date
time	Live time

Response

Parameter Name	Description
200	OK

JOIN LIVE CLASS

Join a live class.

Method	URL
GET	live/schedule/join

Response

Parameter Name	Description
200	OK
link	Link for joining live class

SEND NOTIFICATION

Sends notification

Method	URL
POST	/notifications/send

Request

Parameter Name	Description
message	Notification message

Response

Parameter Name	Description	Type & Length
200	OK	

message	Success message	

RECEIVE NOTIFICATION

Sends notification

Method	URL
GET	`/notifications`

Request

Parameter Name	Description
message	Notification message

Response

Parameter Name	Description	Type & Length
200	OK	
message	Notification message	

ADMIN

ADMIN LOGIN:

Admin login

Method	URL
POST	admin/login

Response

Parameter Name	Description	Type & Length
token	Generated jwt token	
200	'Success'	
401	{status:"fail",message:"Authentication failed"}	

GET USERS

Method	URL
GET	admin/users

Response

Parameter Name	Description	Type & Length
200	'Success'.	

email	Email of user	string
username	User name	string
role	User role	string

EDIT USER:

Admin edits users.

Method	URL
POST	admin/users/edit/id

Request

Parameter Name	Description	Type & Length
email	User email	string
role	User role	string

Response

Parameter Name	Description	Type & Length
200	'Success'.	

DELETE USER:

Admin edits users.

Method	URL
DELETE	admin/users/delete/id

Response

Parameter Name	Description	Type & Length
200	'Success'.	

GET COURSES

Method	URL
GET	admin/courses

Response

Parameter Name	Description	Type & Length
200	'Success'.	
title	Course title	string
description	Course description	string

DELETE COURSE:

Admin deletes course.

Method	URL
DELETE	admin/courses/delete/id

Response

Parameter Name	Description	Type & Length
200	'Success'.	

Forgot password:

Here users can reset the password.

Method	URL
POST	/user/resetpassword

Request

Parameter Name	Description	Type & Length
Username	User have a username	string
Password	User have a password	password
otp	User have otp for verification	int

Response

Parameter Name	Description	Type & Length
200	'Success'.	

User home:

Here User lands after login

Method	URL
GET	/user/home

Response

Parameter Name	Description	Type & Length
200	OK	

Profile:

Here User can view profile

Method	URL
GET	/user/profile

Request:

Parameter Name	Description	Type & Length
Name	Name of the user	string

user_id	Id of user	string
User name	Username of user	string
Profile image	Image of user	url
bio	Bio of user	string
Email	Email of the user	email

Response

Parameter Name	Description	Type & Length
Name	Name of the user	string
user_id	Id of user	string
User name	Username of user	string
Profile image	Image of user	url
bio	Bio of user	string
Email	Email of the user	email
200	OK	

Edit profile:

Here User can edit their details

Method	URL
GET	/user/account/edit

Request:

Parameter Name	Description	Type & Length
Name	Name of the user	string
User name	Username of user	string
Email	Email of the user	email
Phone No.	Phone number of the user	int
password	Password for authentication	password

Response

Parameter Name	Description	Type & Length
200	OK	

View Posts:

Here User can view posts

Method	URL
GET	/user/posts/user_id

Response

Parameter Name	Description	Type & Length
200	OK	

Add Post:

Here User can add post

Method	URL
POST	/user/add_post

Request

Parameter Name	Description	Type & Length
user_id	Id of user	string
image	Image for the post	image
Description	Description for the post	string

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Remove Post:

Here User can delete post

Method	URL
POST	/user/posts/remove/post_id

Request

Parameter Name	Description	Type & Length
post_id	Id of post	string

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

View post:

users can view post

Method	URL
GET	/user/posts/post_id

Request

Parameter Name	Description	Type & Length
post_id	Id of product	string
user_id	Id of user	string
image	Image of post	image
description	Description of post	string

Response

Parameter Name	Description	Type & Length
200	OK	

Edit post:

Here User can add edit post

Method	URL
post	/user/posts/edit/post_id

Request:

Parameter Name	Description	Type & Length
description	Description of the post	string

Response

Parameter Name	Description	Type & Length
200	OK	

Add Like:

User can like the post

Method	URL
POST	/user/posts/like

Request

Parameter Name	Description	Type & Length
post_id	Id of post	string
likes	Number of likes	image

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Remove like:

User can unlike the post

Method	URL
POST	/user/posts/unlike

Request

Parameter Name	Description	Type & Length
post_id	Id of post	string
likes	Number of likes	string

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Add comment:

User can comment on the post

Method	URL
POST	/user/posts/comment

Request

Parameter Name	Description	Type & Length
post_id	Id of post	string
comment	Content of comment	string

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Remove comment:

User can delete the comment

Method	URL

POST	/user/posts/remove_comment/id

Request

Parameter Name	Description	Type & Length
post_id	Id of post	string
comment_id	Id of comment	string

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Follow:

User can follow other users

Method	URL
POST	/user/user_id/follow

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Unfollow:

User can unfollow other users

Method	URL
POST	/user/user_id/unfollow

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Create conversation:

User can message each other

Method	URL
POST	/user/conversation

Request

Parameter Name	Description	Type & Length
user1_id	Id of first user	string
user2_id	Id of second user	string

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Get conversation:

User can message each other

Method	URL
POST	/user/conversation/id

Request

Parameter Name	Description	Type & Length
conversation_id	Id of conversation	string
user1_id	Id of first user	string
user2_id	Id of second user	string

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Send message:

User can message each other

Method	URL
POST	/user/conversation

Request

Parameter Name	Description	Type & Length
conversation_id	Id of conversation	string
sender	Id of sender user	string
receiver	Id of receiver	string
content/message	Content of message	string

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Receive message:

User can message each other

Method	URL
POST	/user/conversation/id

Request

Parameter Name	Description	Type & Length
message_id	Id of message	string
sender	Id of sender user	string
receiver	Id of receiver	string
content/message	Content of message	string
isRead	Message status(True or false)	boolean

Response

Parameter Name	Description	Type & Length
200	OK	
500	Something went wrong	

Video Call:

Start call:

User can video call each other

Method	URL
POST	/user/conversation/videocall/start

Request

Parameter Name	Description	Type & Length
call_id	Id of video call	string
user_id	Id of user	string

Response

Parameter Name	Description	Type & Length
call_id	Id of video call	string
status	Call status(pending)	string
participants	Id of users	array
200	OK	
500	Something went wrong	

Join call:

User can join a video call

Method	URL
POST	/user/conversation/videocall/join

Request

Parameter Name	Description	Type & Length
call_id	Id of video call	string
user_id	Id of user	string

Response

Parameter Name	Description	Type & Length
call_id	Id of video call	string
status	Call status(connected)	string
200	OK	
500	Something went wrong	

USER LOGOUT:

Users can log out from the webpage..

Method	URL
GET	/user/user_logout

Response

Parameter Name	Description
200	OK