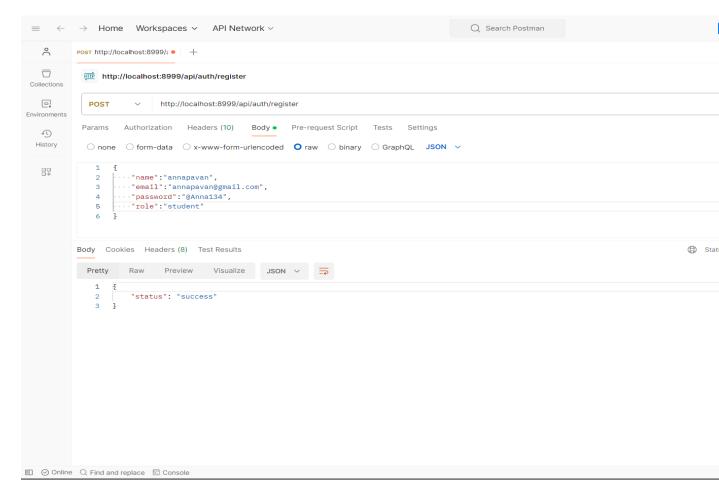
Student Assignments API Documentation

1. Register a New User

Endpoint: /api/auth/register

Method: POST



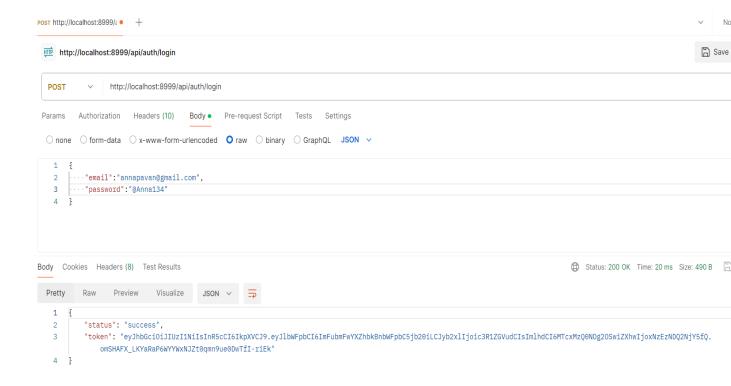
Description: When registering, users can choose between two roles: teacher or student. Select your desired role during the registration process.

2. Login

Endpoint: /api/auth/login

Method: POST

Description: Authenticates users and returns a JWT token.



Teacher Assignments Endpoints

Teacher should login before performing these tasks.

These endpoints requires token verification in the header to authenticate the user before performing the task. Please ensure to include the token in the header when making the request.

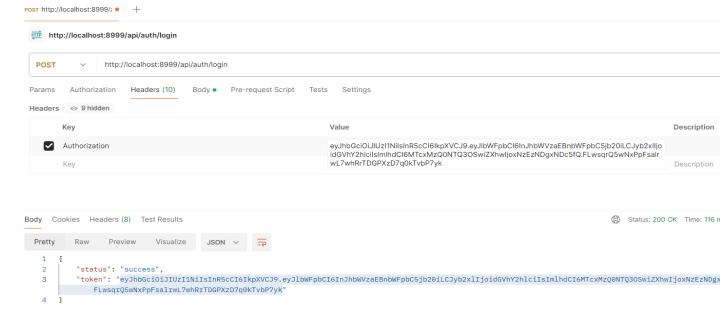
1. Create Assignment

EndPoint: /api/teach/addtask

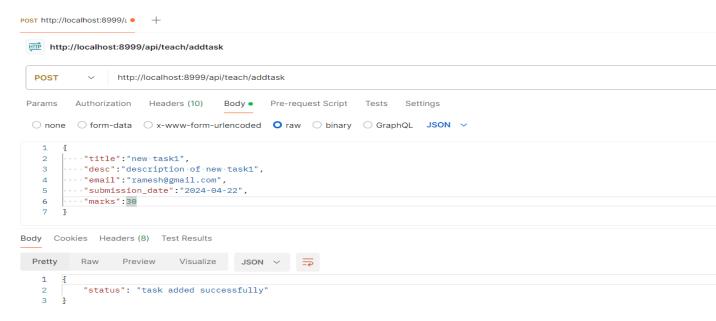
Method: GET

Description: Creates a new Assignment

Providing a token in the header part before performing the add task.



Adding a new Assignment



Assignment table before and after adding new task in MYSQL database.

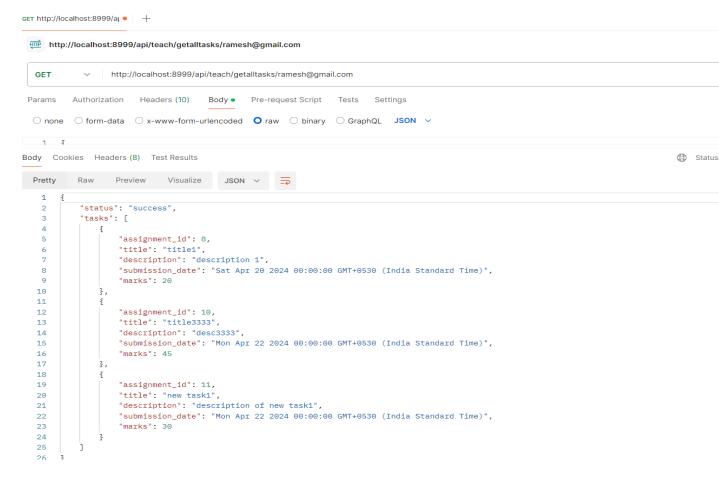
nysql> select * :	from assignm	ents;					·					
assignment_id	title	description	user_emai	ιį	created_a	t	updated_a	t	submissio	n_date	marks	
	title1 title3333	description 1 desc3333							2024-04-20 2024-04-20 2024-04-20		20.00 45.00	
nysql> select * :	from assignm	ents;										
assignment_id	title	description		user_em	ail	created_at	t	updated_a	t	submis	ssion_date	marks
10	title3333	description 1 desc3333 description of		ramesh@	gmail.com	2024-04-18	8 00:05:35	2024-04-1	7 21:41:40 8 00:10:41 8 18:38:43	2024-0	94-22	20.00 45.00 30.00
rows in set (0	.00 sec)	 		+		·		 		+		+

2. Get All Assignments

• Endpoint: /api/teach/getalltasks/{email_id}

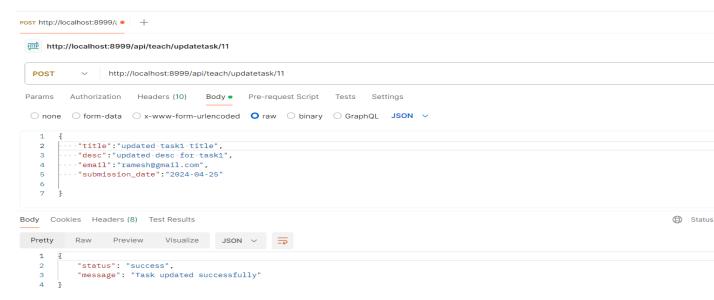
Method: GET

Description: Retrieves all assignments



3. Update Assignment

- Endpoint: /api/teach/updatetask/{assignmentId}
- Method: PUT
- · Description: Updates an existing assignment



Assignment table before and after updating a task.

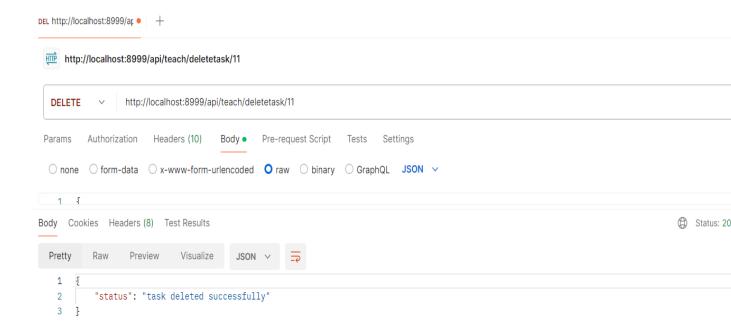
mysql> select * 1	from assignme	ents;						4		1			L
assignment_id	title	descript:	ion	user_e	nail	create	d_at	update	l_at	submiss	sion_date	marks	
j 10 j	title1 title3333 new task1			ramesh@gmail.com		2024-04-17 21:41:40 2024-04-18 00:05:35 2024-04-18 18:38:43		2024-04-18 00:10:41		2024-04-22		20.00 45.00 30.00	
3 rows in set (0.		ents;						,		•			
assignment_id	title		description		user_email	l	created_at		updated_at		submissi	on_date	marks
10	title1 title3333 updated tas	sk1 title	description 1 desc3333 updated desc fo	r task1	ramesh@gma	ail.com	2024-04-17 2 2024-04-18 0 2024-04-18 1	0:05:35	2024-04-18 0	0:10:41	2024-04-2	22	20.00 45.00 30.00
+ 3 rows in set (0.	.00 sec)						+				·		tt

4.Delete Assignment

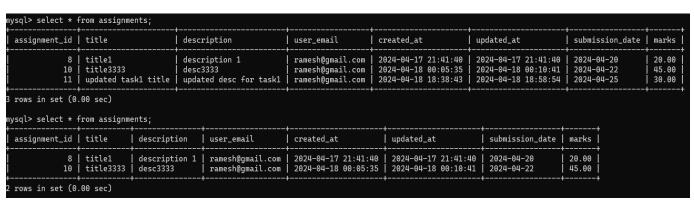
Endpoint: /api/teach/deletetask/{assignmentId}

Method: DELETE

• Description: Deletes an assignment by ID.

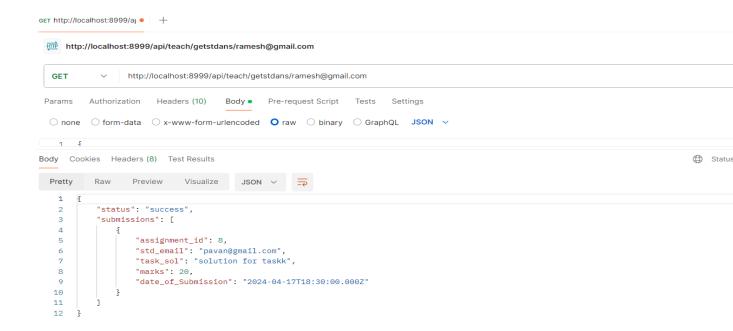


Assignments table before and after deleting a task.



5.Getting Submissions from students

- Endpoint: /api/teach/getstdans/{email_Id}
- Method: GET
- Description: Get all the submissions.

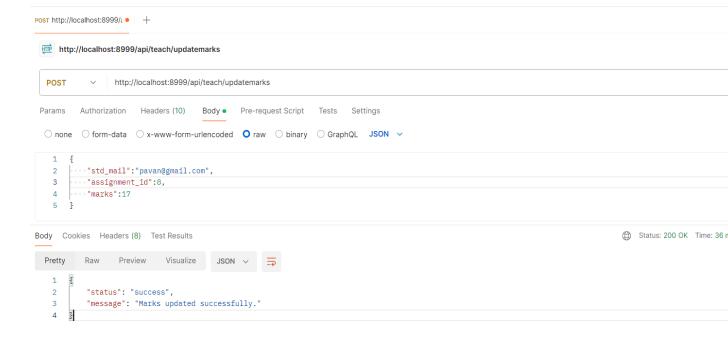


6.Updating Marks

Endpoint: /api/teach/updatemarks

Method: POST

• Description: Update the marks after the task submission by students.



Submit table before and after updating the marks by respective teacher.

```
mysql> select * from submit;
 submit_id | assignment_id | std_email
                                              task_sol
                                                                    obtained_marks | date_of_Submission | total_marks
                                                                            NULL | 2024-04-18
         2 |
                         8 | pavan@gmail.com | solution for taskk |
                                                                                                                20.00
1 row in set (0.00 sec)
mysql> select * from submit;
 submit_id | assignment_id | std_email
                                                                  | obtained_marks | date_of_Submission | total_marks |
                                             | task_sol
                         8 | pavan@gmail.com | solution for taskk |
                                                                             17.00 | 2024-04-18
                                                                                                                20.00
1 row in set (0.00 sec)
```

Student Assignments Endpoints

Student should login before performing these tasks.

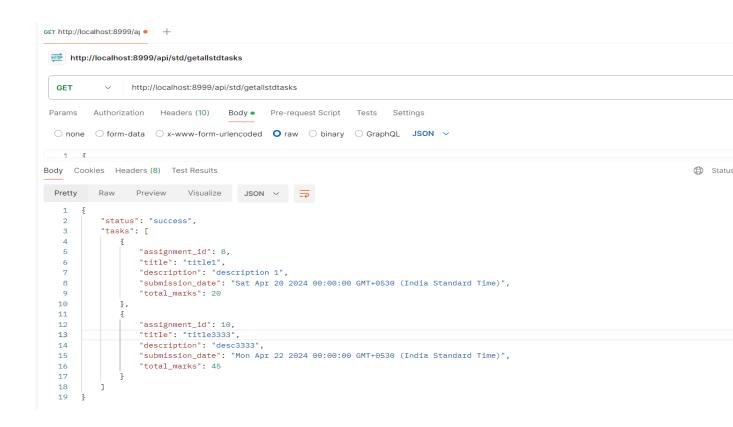
These endpoints require token verification in the header to authenticate the user before performing the task. Please ensure to include the token in the header when making the request.

1.Getting all tasks

Endpoint: /api/std/getallstdtasks

Method: GET

Description: Get all the tasks assigned by the teacher.

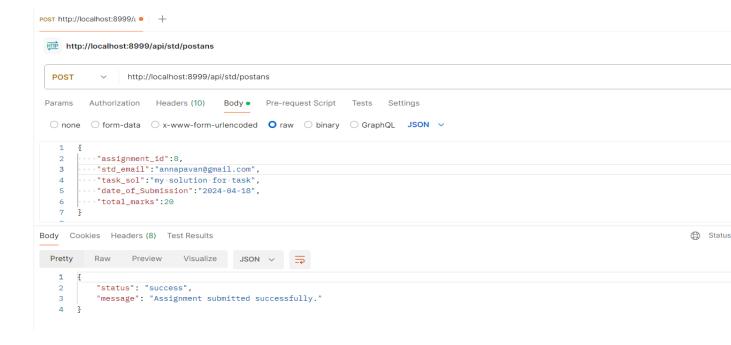


2. Submission of tasks

• Endpoint: /api/teach/postans

Method: POST

• Description: Student can post the solution for assigned tasks.



Submit table before and after posting the solution by student

submit_id	assignment_id	std_email	task_sol	obtaine	ed_marks	date_	_of_Submission	total	_marks
2	8	pavan@gmail.com	solution for taskk	 	17.00	2024-			20.00
row in set	(0.00 sec)			+					+
ysql> select	t * from submit;								
submit_id	assignment_id	std_email	task_sol		obtained_m	narks	date_of_Submis	sion	total_marks
2			solution for ta om my solution for				 2024-04-18 2024-04-18		20.00 20.00

Documentation for Dockerizing Nodejs Application

1. Clone the Repository:

Clone the repository containing your Node.js application to your local machine.

2. Build Docker Image:

Navigate to the root directory of your Node.js application in your terminal.

Run the following command to build a Docker image:

docker build -t annapavan/hey-bn:0.0.1.RELEASE.

This command will create a Docker image with the specified tag.

3. Run Docker Container:

After building the Docker image, you can run a Docker container using the following command:

docker container run -d -p 8999:8999 annapavan/hey-bn:0.0.1.RELEASE

This command will start a Docker container in detached mode (-d) and expose port 8999 of the container to port 8999 of the host machine (-p 8999:8999).

4.Verify Container Status:

You can verify that the Docker container is running by executing the following command:

docker container Is

5. Stop Docker Container:

If you want to stop the Docker container, you can use the following command:

docker container stop < CONTAINER ID>

Replace <CONTAINER_ID> with the actual ID of the Docker container.

6. Push Docker Image to Docker Hub:

If you want to push the Docker image to Docker Hub, you can execute the following command:

docker push annapavan/hey-nodejs:0.0.1.RELEASE

This command will push the Docker image to the specified repository on Docker Hub.

7.Access the Application:

Once the Docker container is running, you can access your Node.js application by navigating to http://localhost:8999 in your web browser.

8.Additional Notes:

Ensure that your Node.js application is configured to listen on port 8999 or the port that you have exposed in your Docker container.

Modify the Dockerfile and Docker image tag as needed to match your application's specific requirements.

Database Schema

Users Table (users):

Field	Туре	Null	Key	Default	Extra
name	varchar(100)	NO		NULL	
email	varchar(50)	NO	PRI	NULL	
password	varchar(1000)	NO		NULL	
role	varchar(50)	NO		NULL	

Assignments Table (assignments):

Field	Туре	Null	Key	Default	Extra
assignment_id	int	NO	PRI	NULL	auto_increment
title	varchar(255)	NO		NULL	
description	text	NO		NULL	
user_email	varchar(255)	NO	MUL	NULL	
created_at	timestamp	YES		CURRENT_TIMESTAMP	DEFAULT_GENERATED
					DEFAULT_GENERATED on update
updated_at	timestamp	YES		CURRENT_TIMESTAMP	CURRENT_TIMESTAMP
submission_date	date	NO		NULL	
marks	decimal(5,2)	NO		NULL	

Submit Table (submit):

Field	Туре	Null	Key	Default	Extra
submit_id	int	NO	PRI	NULL	auto_increment
assignment_id	int	NO	MUL	NULL	
std_email	varchar(255)	NO		NULL	
task_sol	text	NO		NULL	
obtained_marks	decimal(5,2)	NO		NULL	
date_of_Submission	date	NO		NULL	
total_marks	decimal(5,2)	NO		NULL	

README Instructions for Nodejs, Express

1. Download the ZIP File:

Extract it to your desired location.

2. Install dependencies:

- Navigate to the project directory.
- Run **npm install** to install all the required dependencies.

3. Database setup:

- Set up your database and configure the connection details in either **config.js** or **.env** file.
- Ensure that the database credentials and connection details are correctly configured to establish a successful connection.

4. Run the application:

- Start the application by running **node Server.js** in your terminal.
- Make sure the application is running without any errors.

5. Access API endpoints:

- Use the provided API documentation to access and interact with the available endpoints.
- The API endpoints are described in detail in the documentation.

Note: Above mentioned (screenshots) postman endpoints are being done using Express, Nodejs backend

README Instructions for SpringBoot

1. Download the ZIP File:

• Extract it to your desired location.

2. Install dependencies:

- Navigate to the project directory.
- As we are using Maven we don't need to manually install dependencies, as Maven will handle it for you.

3. Database setup:

- Set up your database and configure the connection details in the application.properties file located in the src/main/resources directory.
- Ensure that the database credentials and connection details are correctly configured to establish a successful connection.

4. Run the application:

- Start the Spring Boot application by running the main class, typically annotated with @SpringBootApplication, from your IDE or using the mvn spring-boot:run command.
- Make sure the application starts up without any errors.

5. Access API endpoints:

- Use the provided API documentation or explore the controller classes to understand and interact with the available endpoints.
- The API endpoints are typically defined in controller classes annotated with @RestController and mapped to specific URL paths using @RequestMapping annotations.