Step By Step mini project setup for video storing and playlist storing API

I have two table [**tbl\_playlist**](http://localhost/phpmyadmin/sql.php?db=video_store_db&goto=db_structure.php&table=tbl_playlist&pos=0),[**tbl\_video\_store**](http://localhost/phpmyadmin/sql.php?db=video_store_db&goto=db_structure.php&table=tbl_video_store&pos=0) **and database is** video\_store\_db

The rest end points using **browser** or **postman**.

Our main motto is create Rest Api for CRUD operation using node js and express And MySQL. The Node js Rest API details are as follows:

STEP 1:  Created index.js file into node js project and created dependency module instances.`.

STEP 2: Created MySQL connection in index.js file.

STEP 3: Now we will add body-parser configuration.

STEP 4: We create **node.js** express server that will listen our request on particular port. I am running node server on 3000 port, you can change port as per your port availability.

STEP 5: We create a new GET type rest request to access all VIDEOS records from MySQL database table. We create MySQL query to fetch data from database and send json data to client as response object. We will test this rest end points using **browser** or **postman**.

<http://localhost:3000/videos>

output- [{"video\_id":3,"video\_name":"abc.mp4","video\_full\_name":"Abc"},{"video\_id":4,"video\_name":"Asdf.mp4","video\_full\_name":"Asdf"},{"video\_id":5,"video\_name":"Asdfh.mp4","video\_full\_name":"Asdfh"}]

STEP 6: We create a new GET type rest request to access a single VIDEO record from MySQL database table. We create MySQL query to fetch record of particular employee and send json data to client as response object. We will test this rest end points using postman/browser.

<http://localhost:3000/videos>/3

output- [{"video\_id":3,"video\_name":"abc.mp4","video\_full\_name":"Abc"}]

STEP 7: We have fetched record from MySQL database using express, so next step will create a new entry into MySQL database table using rest api. This rest api would be a POST type because We will post some JSON data to server.

STEP 8: We create new Restful api using nodejs and express to update data into MySQL database. We need VIDEO\_ID whom we want to update record. We will create PUT type request to update record into MySQL database. We will post some JSON data to server with VIDEO ID.

STEP 9: Finally we will create new node js rest api to create DELETE Type request to remove VIDEO record from MySQL database table. We will pass VIDEO id as a parameters which we want to delete from MySQL table.

The whole process same for Playlist. The main difference is I am passing video id as foreign key in tbl\_playlist.

<http://localhost:3000/playlist>

output-[{"video\_id":3,"video\_name":"abc.mp4","video\_full\_name":"Abc","playlist\_id":1,"playlist\_name":"xyz"},{"video\_id":3,"video\_name":"abc.mp4","video\_full\_name":"Abc","playlist\_id":2,"playlist\_name":"xyz"},{"video\_id":4,"video\_name":"Asdf.mp4","video\_full\_name":"Asdf","playlist\_id":3,"playlist\_name":"AsdfPlaylist"},{"video\_id":3,"video\_name":"abc.mp4","video\_full\_name":"Abc","playlist\_id":4,"playlist\_name":"xyz"},{"video\_id":4,"video\_name":"Asdf.mp4","video\_full\_name":"Asdf","playlist\_id":5,"playlist\_name":"AsdfPlaylist"}]