

MICRO PROJECT WORK

Title of the Project: STUDENT ENROLLMENT FORM

Description:

- Student Enrollment Form that will store data in STUDENT-TABLE relation of SCHOOL-DB database.
- Input Fields: {Roll-No, Full-Name, Class, Birth-Date, Address, Enrollment-Date}
- Primary key: Roll No.

Benefits of using JsonPowerDB:

- Simplest way to retrieve data in a JSON format.
- Schema-free, Simple to use,
- Nimble and In-Memory database.
- It is built on top of one of the fastest and real-time data indexing engine - PowerIndex.
- It is low level (raw) form of data and is also human readable.
- It helps developers in faster coding, in-turn reduces development cost.

Additional you can have:

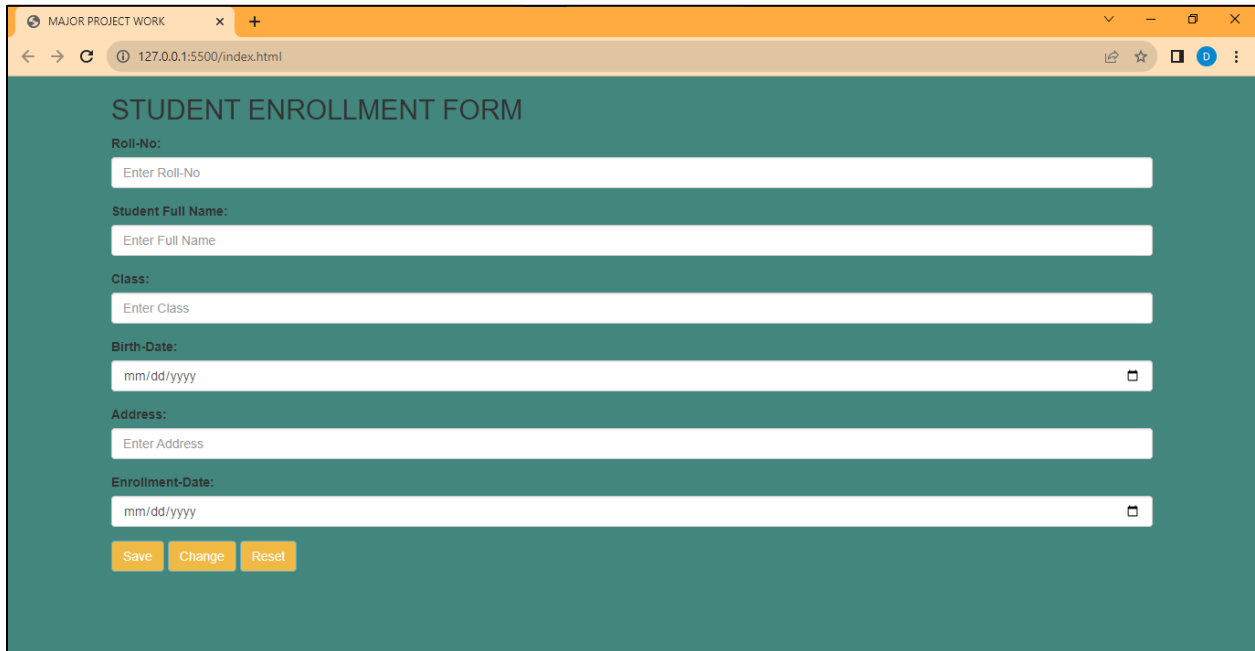
- JsonPowerDB is a Real-time.
- High Performance, Lightweight and Simple to Use.
- Rest API based Multi-mode DBMS.
- JsonPowerDB has ready to use API for Json document DB.
- RDBMS, Key-value DB, GeoSpatial DB and Time Series DB functionality.
- JPDB supports and advocates for true serverless and pluggable API development.

Table of contents:

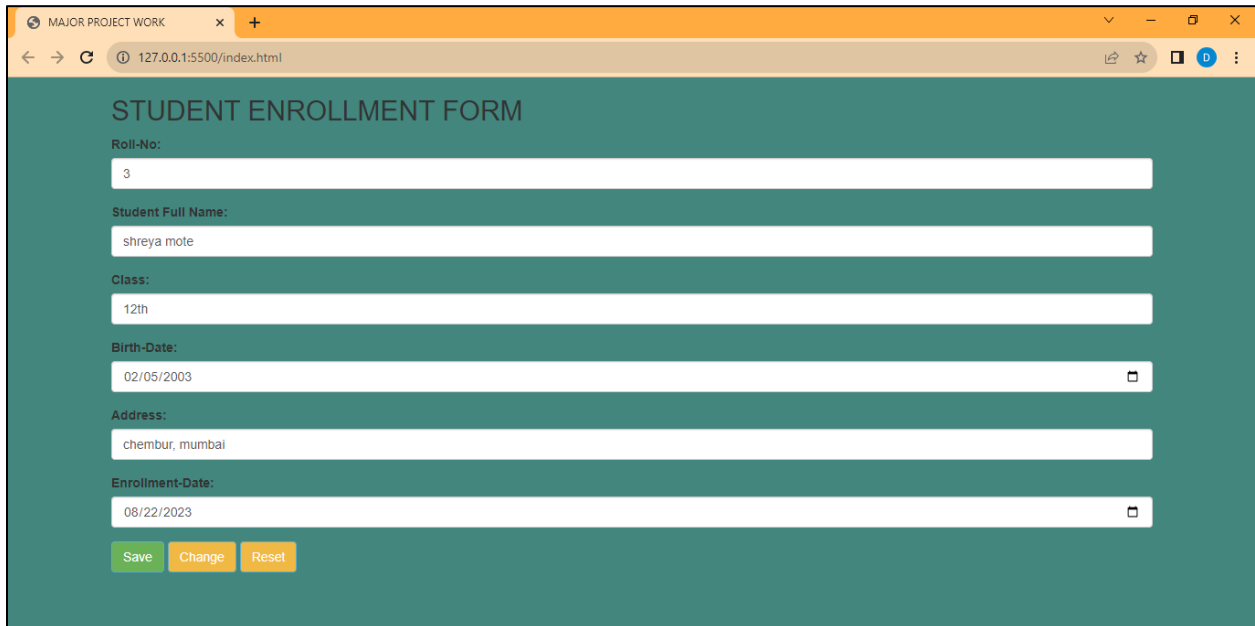
- Roll-No
- Student Full Name
- Class
- Birth-Date
- Address
- Enrollment-Date

➤ SAVE - INSERT CHANGE - UPDATE DELETE RESET

Illustrations



A screenshot of a web browser displaying a "STUDENT ENROLLMENT FORM". The browser's address bar shows "127.0.0.1:5500/index.html". The form is set against a teal background and contains several input fields with placeholder text: "Enter Roll-No", "Enter Full Name", "Enter Class", "mm/dd/yyyy" for birth date, "Enter Address", and "mm/dd/yyyy" for enrollment date. At the bottom, there are three buttons: "Save", "Change", and "Reset".



A second screenshot of the same "STUDENT ENROLLMENT FORM" with sample data entered into the fields. The "Roll-No" field contains "3", "Student Full Name" contains "shreya mote", "Class" contains "12th", "Birth-Date" contains "02/05/2003", "Address" contains "chembur, mumbai", and "Enrollment-Date" contains "08/22/2023". The "Save" button is highlighted in green, while "Change" and "Reset" remain yellow.

MAJOR PROJECT WORK

127.0.0.1:5500/index.html

STUDENT ENROLLMENT

Roll-No:
3

Student Full Name:
shreya mote

Class:
12th

Birth-Date:
02/05/2003

Address:
chembur, mumbai

Enrollment-Date:
08/22/2023

SaveChangeReset

127.0.0.1:5500 says
{
 "token": "90931291|-31949327918910308|90961116","dbName":
 "SCHOOL-DB",
 "cmd": "PUT",
 "rel": "STUDENT-TABLE","jsonStr":
 ("stuid":"3","stuName":"shreya
mote","stuClass":"12th","stuDOB":"2003-02-05","stuAddress":"chembur,
mumbai")
}

OK

MAJOR PROJECT WORK

127.0.0.1:5500/index.html

STUDENT ENROLLMENT

Roll-No:
Enter Roll-No

Student Full Name:
Enter Full Name

Class:
Enter Class

Birth-Date:
mm/dd/yyyy

Address:
Enter Address

Enrollment-Date:
mm/dd/yyyy

SaveChangeReset

127.0.0.1:5500 says
(*data":{"rec_no":["3]"],"additionalData":
(*processReqType=0,"dbUpdateFlag":true),"message":"DATA INSERTED,
Total 1 rows are inserted, Added 0 columns as New Index
Columns.,"status":200)

OK

JSONPOWERDB

Profile icon dhanashreeshelke16@gmail.com

Dashboard

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SCHOOL-DB

STUDENT-TABLE

1

<<

<

>

>>

10

PageSI

Page: 1/1, Page size: 10, Record 1 - 3 of 3

#	createTime	String stuAddress	String stuClass	String stuDOB	String stuld	String stuName
1	8/24/2023, 12:42:56 AM	vashi navi mumbai	11th	2004-01-08	1	manali patil
2	8/24/2023, 1:06:54 AM	nerul, navi mumbai	11th	2003-11-18	2	aakanksha raut
3	8/24/2023, 9:01:33 PM	chembur, mumbai	12th	2003-02-05	3	shreya mote

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JSONPOWERDB

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DATABASE

RELATIONS

INDEXES

RECORDS

110

11000

52000

510000

IN USE

ALLOWED

IN USE

ALLOWED

IN USE

ALLOWED

IN USE

ALLOWED

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The screenshot shows the JSONPOWERDB web interface. On the left is a sidebar with navigation options: Dashboard, Visualize, Insert, Execute, NoSQL, Tools, Help, Profile, Change Password, and Logout. The main area displays a table for 'SCHOOL-DB' with the selected table 'STUDENT-TABLE'. The table has 5 records. The columns are: #, createTime, stuAddress (String), stuClass (String), stuDOB (String), stuld (String), and stuName (String). The footer of the interface reads: 'JPDB_0_3_2_20211203 - Copyright © 2017 - Login2Xplore, All Rights Reserved'.

#	createTime	String stuAddress	String stuClass	String stuDOB	String stuld	String stuName
1	8/24/2023, 12:42:56 AM	vashi navi mumbai	11th	2004-01-08	1	manali patil
2	8/24/2023, 1:06:54 AM	nerul, navi mumbai	11th	2003-11-18	2	aakanksha raut
3	8/24/2023, 9:01:33 PM	chembur, mumbai	12th	2003-02-05	3	shreya mote
4	8/24/2023, 9:06:48 PM	thane	12th	2002-05-17	4	saanvi shinde
5	8/24/2023, 9:07:42 PM	dadar	11th	2003-07-24	5	shravani

Scope of functionalities:

- Schema-Free
- High Performance
- Real-time Data
- Multi-Mode Database
- REST API
- Security

Examples of use:

- Web and Mobile Applications
- Content Management Systems
- IoT Applications
- Data Analytics and Reporting
- Social Media Platforms

Project status: Done

Sources: Introduction to JsonPowerDB-V2.0

<https://careers.login2explore.com/course/view.php?id=14>

Other information Sources: <https://login2explore.com/jpdb/docs.html>