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Requirements:

1. Flask
2. Flask_mysqlldb
3. cryptography.fernet (For encryption and decryption of Notes)
4. hashlib

User account registration:

The screenshot displays a REST client interface with the following details:

- Method:** POST
- URL:** http://127.0.0.1:5000/app/user/auth
- Body:** A JSON object with the following structure:

```
{  "username": "chotha bheem",  "password": "bheem"}
```
- Status:** 200 OK
- Time:** 26 ms
- Size:** 187 B
- Response:** A JSON object with the following structure:

```
{  "status": "Success",  "userid": 5}
```

User account login:

POST

http://127.0.0.1:5000///app/user

Send

Save

ParamsAuthorizationHeaders (20)BodyPre-request ScriptTestsSettingsCookiesCode

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

Beautify

1234

```
{  "username": "chotha bheem",  "password": "bheem"}
```

BodyCookiesHeaders (4)Test Results

Status: 200 OKTime: 215 msSize: 182 BSave Response

PrettyRawPreviewVisualizeHTML

1 [{"status": "account created"}]

Save a new note:

POST

http://127.0.0.1:5000///app/sites?user=4

Send

Save

ParamsAuthorizationHeaders (20)BodyPre-request ScriptTestsSettingsCookiesCode

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

Beautify

123

```
{  "note": "hello chota bheem"}
```

BodyCookiesHeaders (4)Test Results

Status: 200 OKTime: 249 msSize: 174 BSave Response

PrettyRawPreviewVisualizeHTML

1 [{"status": "success"}]

List a saved notes:

GET http://127.0.0.1:5000/#!/app/sites/list?user=4

Params Authorization Headers (18) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

1

Body Cookies Headers (4) Test Results Status: 200 OK Time: 235 ms Size: 196 B Save Response

Pretty Raw Preview Visualize HTML

1 ["Hey this is faizan", "hello chota bheem"]

DataBase:

Tables in database:

phpMyAdmin

Server: 127.0.0.1 - Database: workindia

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking More

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
notes	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	32 K	-
users	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16 K	-
2 tables	Sum	9	InnoDB	utf8mb4_general_ci	48 K	0 B

Check all With selected:

Print Data dictionary

Create table

Name: Number of columns: 4

Go

Activate Windows
Go to Settings to activate Windows.

Users Table:

Id is primary key in users table

The screenshot displays a database management interface. On the left, a tree view shows the database structure, including a 'users_db' database with a 'users' table. The main panel shows the 'users' table structure with columns: 'id' (primary key), 'username', 'password', and 'id'. Below the structure, the table data is displayed as follows:

	username	password	id
<input type="checkbox"/>	faizan khaji1	a9c0b216cae6070b4500862bbb83ac37	3
<input type="checkbox"/>	khaji faizan ali	0b8b99a9625f613bf11c458c62cb73	4
<input type="checkbox"/>	chotha bheem	14a0c07fa598b022ec7ba5d21016e424	5

The interface also includes a 'Query results operations' section with options like 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. A 'Bookmark this SQL query' section is visible at the bottom, with a label field and a checkbox 'Let every user access this bookmark'.

Notes Table:

User id column in the table is foreign key referring to primary key id in users

phpMyAdmin

Recent Favorites

- New
- 9store
- chat bot
- dbshop
- information_schema
- mydb
- mysql
- my_db
- online
- performance_schema
- phpmyadmin
- products
- render
- s207063
- smartshop
- test
- users_db
- New
 - hello
 - users
- workindia
- New
 - notes
 - Columns
 - Indexes
 - users

Server: 127.0.0.1 • Database: workindia • Table: notes

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 3 (4 total, Query took 0.0011 seconds) [Notes: GAAAAABFFNIGX7BE0ODONLY6KLOHAMHCUJHMD0IQ169W-QZ5Y... - GAAAAABFFN_ZFJQGDUALAMQ1BGYDSAVWAPVCZOIZEUL2PKLZTM...]

SELECT * FROM 'notes' ORDER BY 'Notes' ASC

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Options

user_id	Notes
3	gAAAAABFFnIGX7BE0ODONLY6KldHAMHCUjMMD0yQ169W-qZ5Y
1	gAAAAABFFnITSyK2yNYsT2u6-P2pVan27x87HtRMUWuzDm7hc...
4	gAAAAABFFnu611hzdrpogT-ghVHSyRBozZBOI9000ftz6CyG7P
4	gAAAAABFFn_ZFJQGDuAlamq1bgYDSAVWAPvCzoizeUL2pkIZTm...

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL query

Activate Windows
Go to Settings to activate Windows.

Console