

Configuration before using

```
# styles.css  
JS app.js
```

```
const db = mysql.createConnection({  
  host: 'localhost',  
  user: 'root',  
  password: '',  
  database: '',  
});
```

Database connections are needed to adjust to your own database setting.

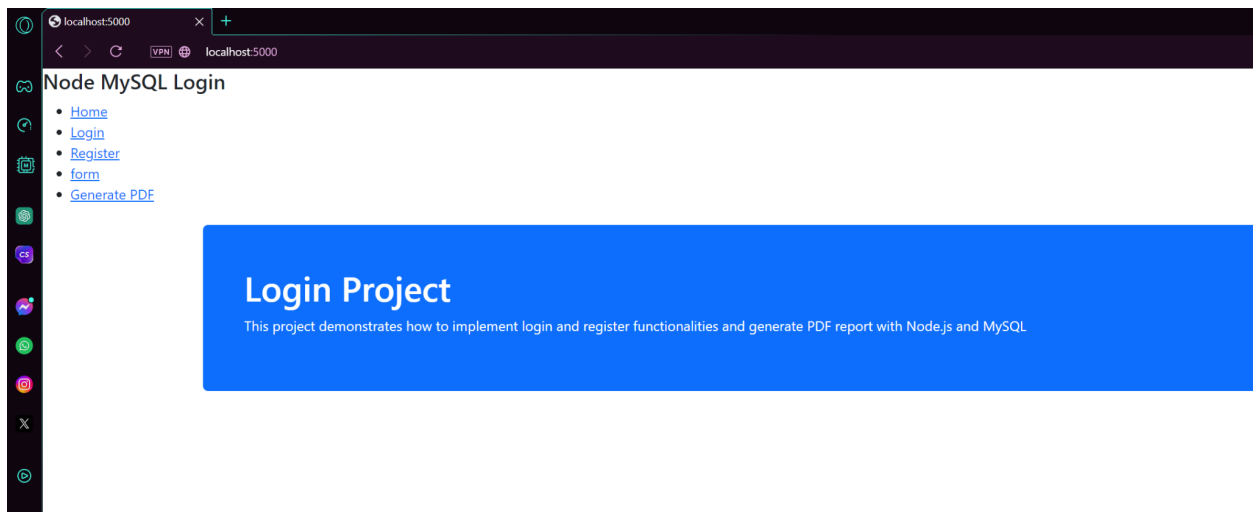
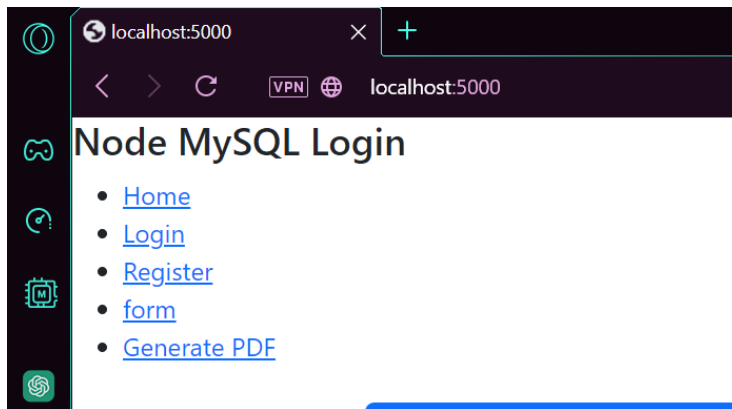
Homepage

To use this application , run this code " node `/path/to/app.js` " in terminal

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\haogu\Downloads\Backend> node C:\Users\haogu\Downloads\Backend\app.js
server started on port 5000
MySQL connected!
```

then type "<http://localhost:5000>" in local browser



A page will show up , all functions are listed in the navigation list on the top left.

Login

Node MySQL Login

- [Home](#)
- [Login](#)
- [Register](#)
- [form](#)
- [Generate PDF](#)

Register Form

Name

John Wick

Password

....

Submit

Successfully registered!

A success page will prompt after registering new admin(user)

```
22 • SELECT * FROM members;
23 • SELECT * FROM admins;
24 • SELECT * FROM users;
25
26
```

Result Grid			
Filter Rows:			
Edit:			
id	username	password	
1	s	\$2a\$08\$g8Qjmdw7x0xbEu8TJF3.rO91kCac.Uqt...	
2	sss	\$2a\$08\$zkJ9Q4pXVltdK0ZBKW8Dk.Nqg2EWOTt...	
4	John Wick	\$2a\$08\$kRO7R7RZMVC1hP1zZ.3PV.dSjsnXrINI...	
NULL	NULL	NULL	

The 'John Wick' user is stored in mysql database. The password is being hashed for security purposes.

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Login Form

Name

John Wick

Password

....

Submit

Login successful!

Login success message will prompt
Vice versa.

Incorrect password.

User not found.

Member details

Member Details Form

Name

Choo Hao Zhen

Birthdate

31/10/2023

Address

999, Jalan 999, Malaysia.

Submit

Member Details Form

Name

Choo Hao Zhen

Birthdate

31/10/2023

October, 2023

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Clear Today

3 attributes to fill in for member details.

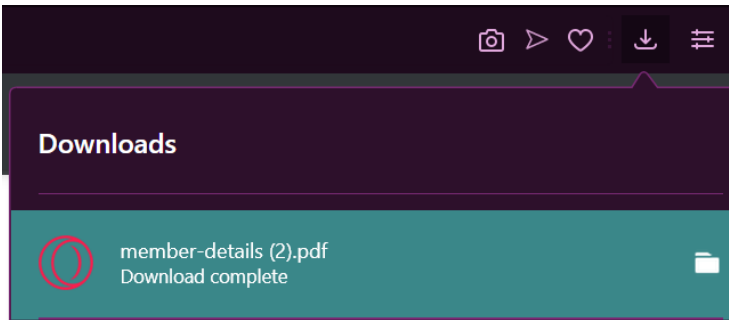
PDF export

Member Details Export

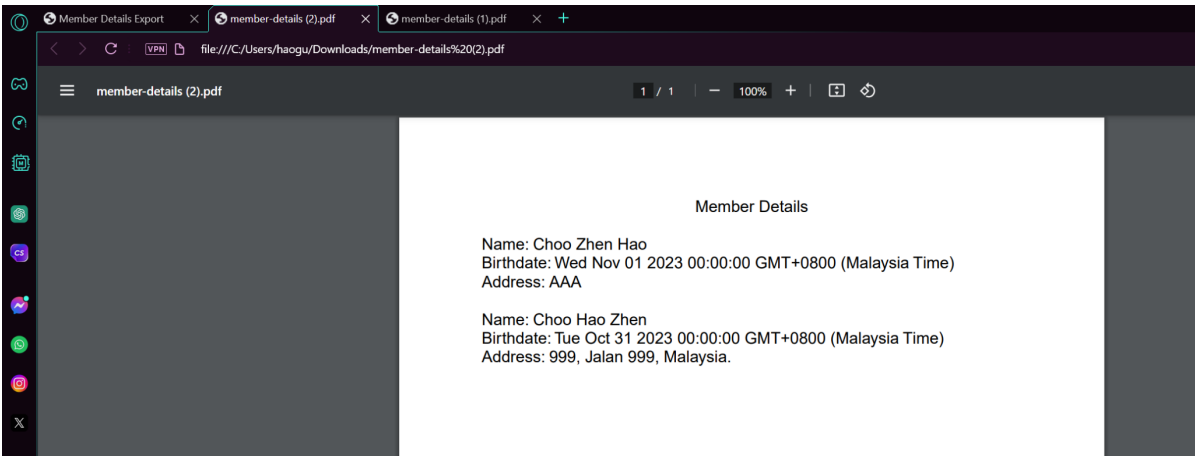
Click the button below to export member details as a PDF:

[Export as PDF](#)

The PDF exporting function.



A PDF will be downloaded after clicking the export as PDF button.



24 `SELECT * FROM members;`

25

All members in the database are printed out.

Result Grid				
Filter Rows: <input type="text"/>				
Edit:				
	id	name	birthdate	address
▶	1	Choo Zhen Hao	2023-11-01	AAA
	2	Choo Hao Zhen	2023-10-31	999, Jalan 999, Malaysia.
*	NULL	NULL	NULL	NULL

MySQL Database

The create table scripts:

```
CREATE DATABASE backendDB;  
USE backendDB;
```

```
CREATE TABLE users (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  username VARCHAR(255) NOT NULL,  
  password VARCHAR(255) NOT NULL  
);
```

```
CREATE TABLE members (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  name VARCHAR(255) NOT NULL,  
  birthdate DATE,  
  address VARCHAR(255)  
);
```

Member table

	id	name	birthdate	address
▶	1	Choo Zhen Hao	2023-11-01	AAA
	2	Choo Hao Zhen	2023-10-31	999, Jalan 999, Malaysia.
•	NULL	NULL	NULL	NULL

Users' table (passwords are hashed for security purpose)

	id	username	password
▶	1	s	\$2a\$08\$g8Qjmdw7x0xbEu8TJF3.rO91kCac.Uqt...
	2	sss	\$2a\$08\$zkJ9Q4pXVltdK0ZBKW8Dk.Nqg2EWOTt...
	4	John Wick	\$2a\$08\$KRO7R7RZMVC1hP1zZ.3PV.dSJsnXrlNi...
•	NULL	NULL	NULL