

this api is host in heroku: <https://afternoon-cliffs-28090.herokuapp.com/>

I use mvc architectural pattern to build this simple demo website.

how to use each of my endpoints: **post** /register , **post** /login , **get** /profile , **get** /database , **get** /logout , **get** /login , **get** /register

Post <https://afternoon-cliffs-28090.herokuapp.com/register>

parameters: username password

there are two examples below: one register successfully, another one fail to register since user already exist in database

The screenshot shows a REST client interface with a POST request to `https://afternoon-cliffs-28090.herokuapp.com/register`. The request body is `x-www-form-urlencoded` with parameters `username=9` and `password=9`. The response status is `200 OK` with a time of `2045 ms` and a size of `282 B`. The response body is a JSON object: `{ "message": "success register user: 9" }`.

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> username	9	
<input checked="" type="checkbox"/> password	9	
Key	Value	Description

```
1 {
2   "message": "success register user: 9"
3 }
```

The screenshot shows a REST client interface with a POST request to `https://afternoon-cliffs-28090.herokuapp.com/register`. The request body is `x-www-form-urlencoded` with parameters `username=9` and `password=9`. The response status is `401 Unauthorized` with a time of `56 ms` and a size of `326 B`. The response body is a JSON object: `{ "message": "error!A user with the given username is already registered" }`.

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> username	9	
<input checked="" type="checkbox"/> password	9	
Key	Value	Description

```
1 {
2   "message": "error!A user with the given username is already registered"
3 }
```

Post <https://afternoon-cliffs-28090.herokuapp.com/login>

parameters: username password

there are two examples below: one shows login successfully, another one fail to login since username or password is wrong

The screenshot shows a REST client interface with a POST request to `https://afternoon-cliffs-28090.herokuapp.com/login`. The request is configured with the following parameters:

KEY	VALUE	DESCRIPTION
username	admin	
password	admin	

The response is displayed in JSON format:

```
1 {  
2   "message": "success login as: admin"  
3 }
```

Additional details: Status: 200 OK, Time: 712 ms, Size: 409 B.

The screenshot shows a REST client interface with a POST request to `https://afternoon-cliffs-28090.herokuapp.com/login`. The request is configured with the following parameters:

KEY	VALUE	DESCRIPTION
username	admin	
password	adminwr	

The response is displayed in JSON format:

```
1 {  
2   "message": "error!Password or username is incorrect"  
3 }
```

Additional details: Status: 401 Unauthorized, Time: 1464 ms, Size: 307 B.

Get <https://afternoon-cliffs-28090.herokuapp.com/database>

This is /database endpoint can view all the username in database, however this endpoint is protected by isAdmin middleware, this endpoint only works for user who login as administrator, this account is special as administrator.

Username: admin Password: admin

there are two examples below: one shows login as administrator to access this endpoint successfully, another one log in as normal user, and then fail to access this endpoint

The screenshot shows a REST client interface with the URL `https://afternoon-cliffs-28090.herokuapp.com/database` and the method `GET`. The `Send` button is highlighted. Below the URL bar, the `Body` tab is selected, showing a JSON response in `Pretty` format. The response is a list of database entries, each with an `_id`, `username`, and `_v` field. The first entry has `username: "admin"` and the second has `username: "3"`. The status bar at the bottom indicates `Status: 200 OK`, `Time: 70 ms`, and `Size: 379 B`.

```
1 {
2   "database": [
3     {
4       "_id": "5ba8055f23be1800156482d8",
5       "username": "admin",
6       "_v": 0
7     },
8     {
9       "_id": "5ba8071fb4b8e60b8ed5714e",
10      "username": "3",
11      "_v": 0
12    }
13  ]
14 }
```

The screenshot shows the same REST client interface with the URL `https://afternoon-cliffs-28090.herokuapp.com/database` and the method `GET`. The `Send` button is highlighted. Below the URL bar, the `Body` tab is selected, showing a JSON response in `Pretty` format. The response is an error message: `"message": "error! you must login as admin inorder to check database"`. The status bar at the bottom indicates `Status: 401 Unauthorized`, `Time: 57 ms`, and `Size: 324 B`.

```
1 {
2   "message": "error! you must login as admin inorder to check database"
3 }
```

Get <https://afternoon-cliffs-28090.herokuapp.com/profile>

This is /profile endpoint can view user's profile; however this endpoint is protected by isLogin middleware, this endpoint only works for user who login successfully.

there are two examples below: one shows access this endpoint successfully after login, another one shows fail to access this endpoint since user is not login.

The image displays two screenshots of a REST client interface, likely Postman, showing the results of HTTP requests to the endpoint `https://afternoon-cliffs-28090.herokuapp.com/profile`.

Top Screenshot (Successful Request):

- Method:** GET
- URL:** `https://afternoon-cliffs-28090.herokuapp.com/profile`
- Status:** 200 OK
- Time:** 169 ms
- Size:** 285 B
- Body (JSON):**

```
{  "message": "profile: username is: admin"}
```

Bottom Screenshot (Failed Request):

- Method:** GET
- URL:** `https://afternoon-cliffs-28090.herokuapp.com/profile`
- Status:** 401 Unauthorized
- Time:** 56 ms
- Size:** 314 B
- Body (JSON):**

```
{  "message": "error! you must login inorder to check profile"}
```

get <https://afternoon-cliffs-28090.herokuapp.com/logout>

this can logout user and then redirect to home page

get <https://afternoon-cliffs-28090.herokuapp.com/login>

this get login can show user the login form

get <https://afternoon-cliffs-28090.herokuapp.com/register>

this get /register can show user the register form