RESTful API

Documentation

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Introduction

This is a simple RESTful API with PHP in backend. MySQL is being used for database.

This API facilitates 3 things:

1. Product Management in inventory. (CRUD)
2. Customer Management. (CRUD)
3. Orders Management. Each customer can buy products. It is possible to view orders by a specific customer.

Using the API

The API is hosted on: http://visheshahuja.tk/api/

The detailed api requests and response are given in the later section of this document.

Installing the API on your server

1. To install the API on your server, copy the api folder anywhere in your server.
2. Open the url: http://your-host-name/your-path/api/setup/index.php
3. For example: http://visheshahuja.tk/api/setup/index.php
4. Remember to put index.php in the end of the URL for setup.
5. Feed in the necessary details on the page like your database host, username and password.
6. Click submit.
7. The database will be created with some test data.

8. config file will be created with access details. Make sure you
    have write permission in the api directory.

Detailed Requests and Response

Title	To authenticate and login a user
URL	http://visheshahuja.tk/api/login/
Method	POST
URL Params	-None-

Data Params	{
	
	    username: [username],
	    password: [plain text password]
	
	}
	
	Example
	{
	
	    username: "admin",
	    password: "password"
	
	}

Success Response	{
	
	    "status":200,
	    "method":"POST",
	    "data":1,
	    "username":"admin"
	
	}

Error Response	{
	
	    "status":404,
	    "method":"POST",
	    "data":0,
	    "username":"admin"
	
	}

Notes	The data field in the response specifies whether the user is authenticated or not.

Title	Show all Products
URL	http://visheshahuja.tk/api/products/
Method	GET
URL Params	-None-
Data Params	-None-

Success Response	```
	{
	    "status":200,"method":"GET",
	    "data":[{"id":"1","name":"iPhone5s","price":"40000"},
	            {"id":"2","name":"Motorola","price":"15000"},
	            {"id":"3","name":"Oneplus 2","price":"25000"},
	            {"id":"4","name":"Yureka","price":"10000"}]
	}
	``

Error Response	```
	{
	    "status":404,"method":"GET",
	    "data": "Not found"
	}
	``

Title	Show product by id
URL	http://visheshahuja.tk/api/products/:id
Method	GET
URL Params	id = [integer] **Example:** id = 1
Data Params	-None-

Success Response	```
	{
	    "status":200,"method":"GET",
	    "data":{"id":"1","name":"iPhone5s","price":"40000"}
	}
	``

Error Response	```
	{
	    "status":404,"method":"GET",
	    "data": "Not found"
	}
	``

Title	Create a new product
URL	http://visheshahuja.tk/api/products/
Method	POST
URL Params	-None-

Data Params	{
	    name: [textname],
	    price: [integer]
	}
	
	Example
	{
	    name: "OnePlus X",
	    price: 17000
	}

Success Response	{
	    "status":200,
	    "method":"POST",
	    "data":"Saved"
	}

Title	Search for product by Name
URL	http://visheshahuja.tk/api/products/search/
Method	POST
URL Params	-None-

Data Params	{
	    name: [textname]
	}
	
	Example
	{
	    name: "OnePlus X"
	}

Success Response	{
	    "status":200,"method":"POST",
	    "data":[{"id":"22","name":"OnePlus X","price":"17000"}]
	}

Error Response	{ "status":200,

```
"method":"POST",
"data":[]
}
```

Title	Edit a product
URL	http://visheshahuja.tk/api/products/
Method	PUT
URL Params	-None-

Data Params	{
	    id: [integer],
	    name: [new name],
	    price: [new price]
	}
	
	Example
	{
	    id: 21
	    name: "google",
	    price: 35000
	}

Success Response	{
	    "status":200,
	    "method":"PUT",
	    "data":"Saved"
	}

Error Response	{
	    "status":200,
	    "method":"PUT",
	    "data":"Error"
	}

Title	Delete a product
URL	http://visheshahuja.tk/api/products/:id
Method	DELETE
URL Params	id = [integer] **Example:** id = 1
Data Params	-None-

Success Response	{
	    "status":200,
	    "method":"DELETE",
	    "data":"Successfully Deleted!"
	}

Error Response	{
	    "status":404,
	    "method":"DELETE",
	    "data":"Not found"
	}

Title	Show all Customers
URL	http://visheshahuja.tk/api/customers/
Method	GET
URL Params	-None-
Data Params	-None-

Success Response	{
	    "status":200,
	    "method":"GET",
	    "data":[{"id":"1","name":"Alex"},
	        {"id":"3","name":"Jason"}]
	}

Error Response	{
	    "status":404,"method":"GET",
	    "data": "Not found"
	}

Title	Show customer by id
URL	http://visheshahuja.tk/api/customers/:id
Method	GET
URL Params	id = [integer] **Example:** id = 1
Data Params	-None-

Success Response	{
	    "status":200,
	    "method":"GET",
	    "data":[{"id":"1","name":"Alex"}
	}

Error Response	{
	    "status":404,"method":"GET",
	    "data": "Not found"
	}

Title	Create a new customer
URL	http://visheshahuja.tk/api/customer/
Method	POST
URL Params	-None-

Data Params	{
	    name: [textname]
	}
	
	Example
	{
	    name: "Mason"
	 }

Success Response	{
	    "status":200,
	    "method":"POST",
	    "data":"Saved"
	}

Title	Edit a customer
URL	http://visheshahuja.tk/api/customers/
Method	PUT
URL Params	-None-

Data Params	{
	    id: [integer],
	    name: [new name]
	}
	
	Example
	{
	    id: 1,
	    name: "Alex"
	}

Success Response	{
	    "status":200,
	    "method":"PUT",
	    "data":1
	}

Error Response	{
	    "status":200,
	    "method":"PUT",
	    "data":0
	}

Title	Delete a customer
URL	http://visheshahuja.tk/api/customers/:id
Method	DELETE
URL Params	id = [integer] **Example:** id = 1
Data Params	-None-

Success Response	{
	    "status":200,
	    "method":"DELETE",
	    "data":"Successfully Deleted!"
	}

Error Response	{
	    "status":404,
	    "method":"DELETE",
	    "data":"Not found"
	}

Title	Show all Orders
URL	http://visheshahuja.tk/api/orders/
Method	GET
URL Params	-None-
Data Params	-None-

Success Response	```
	{
	    "status":200,"method":"GET",
	    "data":[{"id":"8","customer_id":"1","product_id":"5"},
	            {"id":"9","customer_id":"1","product_id":"2"},
	            {"id":"10","customer_id":"3","product_id":"19"}]
	}
	``

Error Response	```
	{
	    "status":404,"method":"GET",
	    "data": []
	}
	``

Title	Show orders by customer id
URL	http://visheshahuja.tk/api/orders/customer/:customer_id
Method	GET
URL Params	customer_id = [integer] **Example:** customer_id = 1
Data Params	-None-

Success Response	```
	{
	    "status":200,"method":"GET",
	    "data":[{"id":"8","customer_id":"1","product_id":"5"},
	            {"id":"9","customer_id":"1","product_id":"2"}],
	    "count":"2"
	}
	``

Title	Create a new Order
URL	http://visheshahuja.tk/api/orders/
Method	POST
URL Params	-None-

Data Params	{
	    customer_id: [customer id],
	    product_id: [product id]
	}
	
	Example
	{
	    customer_id: 1,
	    product_id: 21
	 }

Success Response	{
	    "status":200,
	    "method":"POST",
	    "data":"Saved"
	}

Title	Delete an Order
URL	http://visheshahuja.tk/api/orders/
Method	DELETE
URL Params	id = [integer] **Example:** id = 1
Data Params	-None-

Success Response	{
	    "status":200,
	    "method":"DELETE",
	    "data":"Successfully Deleted!"
	}

Error Response	{
	    "status":404,
	    "method":"DELETE",
	    "data":"Not found"
	}