# User Guide for Symfony Task Project

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**“API EndPoint better view use Postman Application”**

# 1. Installation Steps

To set up the Symfony Task project, follow these steps:

1. Run the following command to create a Symfony skeleton project:

```bash

composer create-project symfony/skeleton symfony\_task

```

2. Navigate to the project directory:

```bash

cd symfony\_task

```

# 2. Required Packages

The project requires the following packages. Install them using Composer:

1. Install essential Symfony packages:

```bash

composer require symfony/serializer symfony/routing symfony/http-foundation symfony/orm-pack doctrine/doctrine-migrations-bundle doctrine/dbal

```

2. For development purposes:

```bash

composer require symfony/maker-bundle --dev

```

3. To enable validation:

```bash

composer require symfony/validator

```

4. To update Vendor folder

```bash

composer update

```

# 3. Important File Changes

# .env File

Update the `.env` file with your database connection details:

```env

DATABASE\_URL="mysql://{username}:{password}@{hostname}:3306/{database\_name}"

```

Replace:

- `{username}` with your database username.

- `{password}` with your database password.

- `{hostname}` with your database host.

- `{database\_name}` with your database name.

# 4. Execute Commands

Run the following commands to configure the database:

1. Create a migration file:

```bash

php bin/console make:migration

```

2. Apply migrations to the database:

```bash

php bin/console doctrine:migrations:migrate

```

# 5. API List

This project provides several APIs for managing categories, products, customers, and orders. Below are the details:

# Category APIs

**- \*\*Get Category List\*\***

- \*\*Endpoint\*\*: `GET http://127.0.0.1:8000/category`

- \*\*Response\*\*:

```json

[

{

"id": 1,

"category\_name": "Category 1",

"category\_desc": "add category 1",

"category\_status": false

},

{

"id": 2,

"category\_name": "Category 2",

"category\_desc": "add category 2",

"category\_status": true

}

]

```

- **\*\*Add New Category\***\*

- \*\*Endpoint\*\*: `POST http://127.0.0.1:8000/addcategory`

- **\*\*Request\*\*:**

```json

{

"category\_name": "Category 3",

"category\_status": 1,

"category\_desc": "add category 3"

}

```

- \*\*Responses\*\*:

- \*\*Success (200)\*\*:

```json

{

"message": "Category created successfully",

"data": {

"id": 17,

"category\_name": "Category 3",

"category\_desc": "add Category 3",

"category\_status": true

}

}

```

- \*\*Error (400)\*\*:

```json

{

"error": "Category name must be unique."

}

```

- \*\*Update Category Data\*\*

- \*\*Endpoint\*\*: `PUT http://127.0.0.1:8000/category/{id}`

- \*\*Request\*\*:

```json

{

"category\_name": "Updated Category",

"category\_status": 1,

"category\_desc": "Updated description"

}

```

- **\*\*Responses\*\*:**

- \*\*Success (200)\*\*:

```json

{

"message": "Category updated successfully",

"data": {

"id": 1,

"category\_name": "Updated Category",

"category\_desc": "Updated description",

"category\_status": true

}

}

```

- \*\*Error (404)\*\*:

```json

{

"error": "Category not found."

}

```

- \*\*Delete Category\*\*

- \*\*Endpoint\*\*: `DELETE http://127.0.0.1:8000/category/{id}`

- \*\*Responses\*\*:

- \*\*Success (200)\*\*:

```json

{

"message": "Category deleted successfully."

}

```

- \*\*Error (404)\*\*:

```json

{

"error": "Category not found."

}

```

# get Product List

GET : http://127.0.0.1:8000/product

Response:

[

{

"id": 1,

"product\_name":"product 1",

"product\_desc":"product description",

"product\_price":"1.5",

"product\_qty":"30",

"product\_status":true,

"product\_category":"2"

},

{

"id": 2,

"product\_name":"product 2",

"product\_desc":"product description",

"product\_price":"15",

"product\_qty":"20",

"product\_status":true,

"product\_category":"4"

},

]

**add new Product**

POST : http://127.0.0.1:8000/addproduct

Request: {

"product\_name":"product 1",

"product\_desc":"product desc 1",

"product\_price":"3",

"product\_qty":"1",

"product\_status":"1",

"product\_category":"4"

}

Response:

400:

{

"error": "Product name must be unique."

}

200:

{

"message": "Product created successfully",

"data": {

"id": 1,

"product\_name":"product 1",

"product\_desc":"product desc 1",

"product\_price":"3",

"product\_qty":"1",

"product\_status": true,

"product\_category":"4"

}

}

**get Product data with id**

GET : http://127.0.0.1:8000/product/1

Response:

200: {

"message": "Product fetched successfully",

"data": {

"id": 1,

"product\_name":"product 1",

"product\_desc":"product desc 1",

"product\_price":"3",

"product\_qty":"1",

"product\_status":true,

"product\_category":"4"

}

}

404: {

"error": "Product not found."

}

**update Product data**

PUT : http://127.0.0.1:8000/product/5

Request: {

"product\_name":"product 1",

"product\_desc":"product description",

"product\_price":"1.5",

"product\_qty":"30",

"product\_status":"1",

"product\_category":"2"

}

Response:

404 : {

"error": "Product not found."

}

200 : {

"message": "Product updated successfully",

"data": {

"id": 5,

"product\_name": "product 1",

"product\_desc": "product description",

"product\_price": 1.5,

"product\_qty": 30,

"product\_category": 2,

"product\_status": true

}

}

**Delete Product**

DELETE : http://127.0.0.1:8000/product/1

Response :

404 : {

"error": "Product not found."

}

200 : {

"message": "Product deleted successfully."

}

**get Customer List**

GET : http://127.0.0.1:8000/customer

Response:

[

{

"id": 1,

"customer\_name": "Customer 1",

"customer\_email": "mail@gmail.com",

"customer\_address": "Bangalore",

"customer\_mobile": "9876543210",

"customer\_status": true

},

{

"id": 2,

"customer\_name": "Customer 2",

"customer\_email": "testmail@gmail.com",

"customer\_address": "Bangalore",

"customer\_mobile": "9876543210",

"customer\_status": true

},

]

**add new Customer**

POST : http://127.0.0.1:8000/addcustomer

Request: {

"customer\_name": "Customer 1",

"customer\_email": "mail@gmail.com",

"customer\_address": "Bangalore",

"customer\_mobile": "9876543210",

"customer\_status": 1

}

Response:

400:

{

"error": "Customer name must be unique."

}

200:

{

"message": "Customer created successfully",

"data": {

"id": 1,

"customer\_name": "Customer 1",

"customer\_email": "mail@gmail.com",

"customer\_address": "Bangalore",

"customer\_mobile": "9876543210",

"customer\_status": true

}

}

**get Customer data with id**

GET : http://127.0.0.1:8000/customer/1

Response:

200: {

"message": "Customer fetched successfully",

"data": {

"id": 1,

"customer\_name": "Customer 1",

"customer\_email": "mail@gmail.com",

"customer\_address": "Bangalore",

"customer\_mobile": "9876543210",

"customer\_status": true

}

}

404: {

"error": "Customer not found."

}

**update Customer data**

PUT : http://127.0.0.1:8000/customer/1

Request: {

"customer\_name": "Customer 1",

"customer\_email": "test@gmail.com",

"customer\_address": "Bangalore",

"customer\_mobile": "9876543210",

"customer\_status": 0

}

Response:

404 : {

"error": "Customer not found."

}

200 : {

"message": "Customer updated successfully",

"data": {

"id": 1,

"customer\_name": "Customer 1",

"customer\_email": "test@gmail.com",

"customer\_address": "Bangalore",

"customer\_mobile": "9876543210",

"customer\_status": false

}

}

**Delete Customer**

DELETE : http://127.0.0.1:8000/customer/1

Response :

404 : {

"error": "Customer not found."

}

200 : {

"message": "Customer deleted successfully."

}

**Add to cart**

POST : http://127.0.0.1:8000/add\_to\_cart

Request:

{

"customer\_id":"1",

"product\_id":"2",

"product\_qty":"3"

}

Response:

200:

{

"message": "Your product added to cart "

}

404:

{

"error": "Invalid Customer ID"

}

**View to cart**

DELETE : http://127.0.0.1:8000/view\_cart

Request:

{

"customer\_id":"1"

}

Response:

200:

{

"message": "Available Cart Data",

"data": {

"customer\_name": "Customer 1",

"customer\_id": 1,

"cart\_data": [

{

"cart\_id": 9,

"product\_name": "Samsung M20",

"product\_qty": 3,

"product\_price": "16999.00",

"sub\_total": "50997.00",

"discount\_per": "10.00",

"discount\_amt": "5099.70",

"total\_amt": "45897.30",

"tax\_per": 5,

"tax\_amt": "2294.87",

"net\_total": "48192.17",

"order\_status": 1

}

]

}

}

404:

{

"error": "Invalid Customer ID"

}

**Remove Cart Data**

POST : http://127.0.0.1:8000/remove\_cart

Request:

{

"customer\_id":"1",

"cart\_id":"1"

}

Response:

200:

{

"message": "Your cart data removed"

}

404:

{

"error": "Invalid Customer ID and Cart ID"

}

**Place Order By Customer**

POST : http://127.0.0.1:8000/place\_order

Request:

{

"customer\_id":"1",

"payment\_method":"cash"

}

Response:

200:

{

"message": "Your order placed"

}

404:

{

"error": "Invalid Customer ID"

}

**View My Order By Customer**

POST : http://127.0.0.1:8000/view\_my\_order/1

Response:

200:

[

{

"customer\_name": "Customer 1",

"OrderId": 62,

"sub\_total": "102356.01",

"discount\_amt": "10199.40",

"total\_amt": "92156.61",

"total\_tax\_amt": "4589.74",

"net\_total": "96746.35",

"order\_date": {

"date": "2024-12-15 00:00:00.000000",

"timezone\_type": 3,

"timezone": "UTC"

},

"cart\_items": [

{

"OrderId": 62,

"product\_name": "Gorila glass",

"product\_qty": 3,

"product\_price": "120.67",

"sub\_total": "362.01",

"discount\_per": "0.00",

"discount\_amt": "0.00",

"total\_amt": "362.01",

"tax\_per": 0,

"tax\_amt": "0.00",

"net\_total": "362.01"

},

{

"OrderId": 62,

"product\_name": "Samsung M20",

"product\_qty": 3,

"product\_price": "16999.00",

"sub\_total": "50997.00",

"discount\_per": "10.00",

"discount\_amt": "5099.70",

"total\_amt": "45897.30",

"tax\_per": 5,

"tax\_amt": "2294.87",

"net\_total": "48192.17"

}

]

},

{

"customer\_name": "Customer 1",

"OrderId": 450,

"sub\_total": "50997.00",

"discount\_amt": "5099.70",

"total\_amt": "45897.30",

"total\_tax\_amt": "2294.87",

"net\_total": "48192.17",

"order\_date": {

"date": "2024-12-15 00:00:00.000000",

"timezone\_type": 3,

"timezone": "UTC"

},

"cart\_items": [

{

"OrderId": 450,

"product\_name": "Samsung M20",

"product\_qty": 3,

"product\_price": "16999.00",

"sub\_total": "50997.00",

"discount\_per": "10.00",

"discount\_amt": "5099.70",

"total\_amt": "45897.30",

"tax\_per": 5,

"tax\_amt": "2294.87",

"net\_total": "48192.17"

}

]

},

{

"customer\_name": "Customer 1",

"OrderId": 250,

"sub\_total": "50997.00",

"discount\_amt": "5099.70",

"total\_amt": "45897.30",

"total\_tax\_amt": "2294.87",

"net\_total": "48192.17",

"order\_date": {

"date": "2024-12-15 00:00:00.000000",

"timezone\_type": 3,

"timezone": "UTC"

},

"cart\_items": [

{

"OrderId": 250,

"product\_name": "Samsung M20",

"product\_qty": 3,

"product\_price": "16999.00",

"sub\_total": "50997.00",

"discount\_per": "10.00",

"discount\_amt": "5099.70",

"total\_amt": "45897.30",

"tax\_per": 5,

"tax\_amt": "2294.87",

"net\_total": "48192.17"

}

]

}

]

404:

{

"error": "Invalid Customer ID"

}