

تست آزمون میان ترم

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شروع پروژه از فایل DB\_API است که با استفاده از کتابخانه echo درخواست های http را دریافت میکنند و با توجه به نوع آنها ، آنها را به یکی از متد های موجود در business flow ارسال میکنند.(ریکوست ها بر روی پورت ۵۰۰۵ تنظیم شده اند.)

```
1 package main
2
3 > import ...
4
5
6
7
8
9 func main() {
10     e := echo.New()
11     // add user
12     e.POST(path: "/users/", business_flow.CreateUser)
13     // delete user
14     e.DELETE(path: "/users/:id", business_flow.DeleteUsers)
15     // login user
16     e.GET(path: "/login/", business_flow.Login)
17     // create basket
18     e.POST(path: "/basket/", business_flow.CreateBasket)
19     // get baskets
20     e.GET(path: "/basket/", business_flow.GetBaskets)
21     // get basket by id
22     e.GET(path: "/basket/:id", business_flow.GetBasketById)
23     // delete basket
24     e.DELETE(path: "/basket/:id", business_flow.DeleteBasket)
25     // update basket
26     e.PATCH(path: "/basket/:id", business_flow.UpdateBasket)
27
28     e.Logger.Fatal(e.Start(address: ":5005"))
29 }
30
```

شمای دیتابیس ها مون در فایل definishon در پکیج model تعریف شده است

```

package models

import (
    "github.com/golang-jwt/jwt"
    "time"
)

// Basket Model for the shopping basket
type Basket struct { 12 usages
    ID          uint       `gorm:"primaryKey"`
    CreatedAt   time.Time `json:"created_at"`
    UpdatedAt   time.Time `json:"updated_at"`
    Data        string    `json:"data" gorm:"size:2048"`
    State       string    `json:"state"`
    UserID      uint      `json:"user_id"`
}

// User Model for users
type User struct { 9 usages
    ID          uint       `gorm:"primaryKey"`
    FirstName   string    `json:"first_name"`
    LastName    string    `json:"last_name"`
    UserName    string    `json:"user_name" gorm:"unique"`
    Password    string    `json:"password"`
    Age         uint      `json:"age"`
    Email       string    `json:"email"`
    Address     string    `json:"address"`
    Phone       string    `json:"phone"`
    CreatedAt   time.Time `json:"created_at"`
}

type Claims struct { 2 usages
    UserID uint `json:"userID"`
    jwt.StandardClaims
}

```

فایل database halper شامل کدهای است که برای ارتباط با دیتابیس هستند. به طور مثال شامل کدهای select ,insert,delete ,update است. اصل کد ما هم در فایل business flow قرار دارد برای تست پروژه ابتدا کاربر باید اضافه شود افزودن کاربر

web / Insert\_user

POST

localhost:5005/users/

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 {
2   ... "first_name": "yasaman",
3   ... "last_name": "godarzi",
4   ... "age": 22,
5   ... "email": "yaasgodarzi@gmail.com",
6   ... "address": "iran,theran",
7   ... "phone": "0212234245",
8   ... "password": "1234",
9   ... "user_name": "yas"
10  ...
11 }
```

Body Cookies Headers (3) Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {"user_id": 1}
2
```

| ORDER BY |            |           |           |          |     |                       |             |            |                                   |  |
|----------|------------|-----------|-----------|----------|-----|-----------------------|-------------|------------|-----------------------------------|--|
| id       | first_name | last_name | user_name | password | age | email                 | address     | phone      | created_at                        |  |
| 1        | yasaman    | godarzi   | yas       | 1234     | 22  | yaasgodarzi@gmail.com | iran,theran | 0212234245 | 2023-12-17 13:01:23.371923 +00:00 |  |

مشاهده اطلاعات کاربر

HTTP web / **select\_user**

GET localhost:5005/users/1

Params Authorization Headers (7) **Body** Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL

1

**Body** Cookies Headers (3) Test Results

Pretty

Raw

Preview

Visualize

JSON

⌵

```
1 {
2   "user": {
3     "ID": 1,
4     "first_name": "yasaman",
5     "last_name": "godarzi",
6     "user_name": "yas",
7     "password": "1234",
8     "age": 22,
9     "email": "yaasgodarzi@gmail.com",
10    "address": "iran,theran",
11    "phone": "0212234245",
12    "created_at": "2023-12-17T08:01:23.371923-05:00"
13  }
14 }
```

پاک کردن یک کاربر

HTTP web / **delete\_users**

DELETE localhost:5005/users/1

Params Authorization **Headers (7)** Body Pre-request Script

Headers 7 hidden

Key

**Body** Cookies Headers (3) Test Results

Pretty

Raw

Preview

Visualize

JSON

⌵

```
1 {
2   "message": "OK"
3 }
```

## لاگین کاربر

HTTP web / login

GET localhost:5005/login/

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 {
2   ... "username": "yas",
3   ... "password": "1234"
4 }
```

Body Cookies Headers (3) Test Results Status: 2

Pretty Raw Preview Visualize JSON

```
1 {
2   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySUQ1OjEsImV4cCI6MTcwMjg0MDY0M30.aTYRZ9QknnGFfjYmi_0SEdpMMFlw1QI-0FMuCXmYqQ4"
3 }
```

در بقیه ریکوئست ها کاربر باید توکن داده شده در این متد را به عنوان هدر و با کلید TOKEN ارسال کند  
مانند شکل زیر

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Headers 9 hidden

|                                     | Key   | Value  |
|-------------------------------------|-------|--|
| <input checked="" type="checkbox"/> | TOKEN | eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySUQ1OjEsImV4cCI6MTcwMjg0MDY0M30.aTYRZ9QknnGFfjYmi_0SEdpMMFlw1QI-0FMuCXmYqQ4 |
|                                     | Key   | Value  |

## اضافه کردن سبد برای کاربر

HTTP web / Insert\_basket

POST localhost:5005/basket/

Params Authorization Headers (10) Body Pre-request Script

none form-data x-www-form-urlencoded raw binar

```
1 {
2   ... "Data": "book",
3   ... "State": "PENDING"
4   ...
5   ...
6 }
```

Body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "basket_id": 1
3 }
```

از روی توکن یوزر ایدی کاربر مشخص میشود و برای سبد ثبت میشود  
مشاهد سبد های یک فرد

web / getbaskets

GET

localhost:5005/basket/

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Headers 7 hidden

|                                     | Key   | Value      |
|-------------------------------------|-------|------------|
| <input checked="" type="checkbox"/> | TOKEN | eyJhbGciOi |
|                                     | Key   | Value      |

Body Cookies Headers (3) Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "baskets": [
3     {
4       "ID": 1,
5       "created_at": "2023-12-17T10:37:07.354175-05:00",
6       "updated_at": "2023-12-17T10:37:07.354175-05:00",
7       "data": "book",
8       "state": "PENDING",
9       "user_id": 1
10    },
11    {
12      "ID": 2,
13      "created_at": "2023-12-17T10:40:15.234567-05:00",
14      "updated_at": "2023-12-17T10:40:15.234567-05:00",
15      "data": "notebook",
16      "state": "COMPLETED",
17      "user_id": 1
18    }
19  ]
20 }
```

همانطور که می بیند داخل دیتابیس ۳ تا سبد خرید است که دو تا از آن برای کاربر است و نشان داده شد.

| id | created_at                        | updated_at                        | data     | state     | user_id |
|----|-----------------------------------|-----------------------------------|----------|-----------|---------|
| 1  | 2023-12-17 15:37:07.354175 +00:00 | 2023-12-17 15:37:07.354175 +00:00 | book     | PENDING   | 1       |
| 2  | 2023-12-17 15:40:15.234567 +00:00 | 2023-12-17 15:40:15.234567 +00:00 | notebook | COMPLETED | 1       |
| 3  | 2023-12-17 15:41:41.361984 +00:00 | 2023-12-17 15:41:41.361984 +00:00 | pen      | COMPLETED | 3       |

مشاهد سبد یک فرد با ایدی

GET localhost:5005/basket/1

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Headers 7 hidden

|                                     | Key   | Value   |
|-------------------------------------|-------|---|
| <input checked="" type="checkbox"/> | TOKEN | eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySUQlOjEslmV4cCI6MTc... |
|                                     | Key   | Value   |

body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "basket": {
3     "ID": 1,
4     "created_at": "2023-12-17T10:37:07.354175-05:00",
5     "updated_at": "2023-12-17T10:37:07.354175-05:00",
6     "data": "book",
7     "state": "PENDING",
8     "user_id": 1
9   }
10 }
```

عدم مشاهده سبدی که برای فرد نیست

GET localhost:5005/basket/3

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Headers 7 hidden

|                                     | Key   | Value   |
|-------------------------------------|-------|---|
| <input checked="" type="checkbox"/> | TOKEN | eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySUQlOjEslmV4cCI6MTc... |
|                                     | Key   | Value   |

body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "error_description": "You can not see this basket"
3 }
```

آپدیت سبد

web / update\_basket

PATCH localhost:5005/basket/1

Params Authorization Headers (10) Body Pre-request Script Tests Settings

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

```
1 {
2   "state": "COMPLETED"
3 }
```

ody Cookies Headers (3) Test Results

Pretty Raw Preview Visualize Text

1 Basket updated successfully

web / getbasketbyId

GET localhost:5005/basket/1

Params Authorization Headers (8) Body Pre-request Script Tests Settings

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

Body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "basket": {
3     "ID": 1,
4     "created_at": "2023-12-17T10:37:07.354175-05:00",
5     "updated_at": "2023-12-17T11:08:36.642328-05:00",
6     "data": "book",
7     "state": "COMPLETED",
8     "user_id": 1
9   }
10 }
```

اُپدیت شد



عدم توانایی آپدیت سبدي که وضعیتش completed هست

HTTP web / update\_basket

PATCH localhost:5005/basket/1

Params Authorization Headers (10) **Body** Pre-request Script

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary

```
1 {
2   "data": "book2"
3 }
```

Body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "This basket is not updated"
3 }
```

پاک کردن سبد یک فرد

HTTP web / delete\_basket

DELETE localhost:5005/basket/2

Params Authorization **Headers (8)** Body Pre-request Script Tests Se

Headers 7 hidden

|                                     | Key   | Value  |
|-------------------------------------|-------|--------|
| <input checked="" type="checkbox"/> | TOKEN | eyJ... |
|                                     | Key   | Value  |

Body Cookies Headers (2) Test Results

Pretty Raw Preview Visualize Text

```
1
```

web / getbaskets

GET localhost:5005/basket/

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Headers 7 hidden

|                                     | Key   | Value      |
|-------------------------------------|-------|------------|
| <input checked="" type="checkbox"/> | TOKEN | eyJhbnR... |
|                                     | Key   | Value      |

body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "baskets": [
3     {
4       "ID": 1,
5       "created_at": "2023-12-17T10:37:07.354175-05:00",
6       "updated_at": "2023-12-17T11:08:36.642328-05:00",
7       "data": "book",
8       "state": "COMPLETED",
9       "user_id": 1
10    }
11  ]
12 }
```

عدم توانایی پاک کردن سبدی که برای فرد نیست

web / delete\_basket

DELETE localhost:5005/basket/3

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Headers 7 hidden

|                                     | Key   | Value      |
|-------------------------------------|-------|------------|
| <input checked="" type="checkbox"/> | TOKEN | eyJhbnR... |
|                                     | Key   | Value      |

body Cookies Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "error_description": "You cannot delete the basket"
3 }
```