요청 및 응답 Object

Request

```
{
  ...request datas
}
```

Response

- **2xx : Success**

```
{
  "ok": true,
  "data": response datas
}
```

- **4xx, 5xx : Error Response**

```
{
  "ok":false,
  "message": "error message"
}
```

Users : `/users`

- `/login` : **로그인**

  - Method : `POST`

  - Request Body: **모두 필수**

    ```
    {
        "username":"USER NAME",
        "password":"PASS WORD"
    }
    ```

  - Response:

    - 200 OK

      ```
      {
          "ok":true,
          "data":{
            "token": "JSON WEB TOKEN"
          }
      }
      ```

    - 400 Bad Request

      ```
      {
          "ok":false,
          "message": "error messages"
      }
      ```

    - 401 Unauthorized (Password incorrect, User doesn't exist)

      ```
      {
          "ok":false,
          "message": "error messages"
      }
      ```

- `/login` : **로그인**

- `/signup` : 회원 가입

  - Method : `POST`

  - Request Body: **모두 필수**

    ```
    {
      "username":"USER NAME",
      "password":"PASSWORD",
      "city":"CITY",
      "street":"STREET",
      "zipcode":"ZIPCODE"
    }
    ```

  - Return:

    - 200 OK

      ```
      {
        "ok":true,
        "data":{
          "token": "JSON WEB TOKEN"
        }
      }
      ```

    - 409 Conflict (Username already exist)

      ```
      {
        "ok":false,
        "message": "This username already exist"
      }
      ```

- `/profile` : 프로필 조회 및 수정

  - Method : `GET` : 프로필 조회

  - Request Body: X

  - Headers: **JWT 필요**

```json
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Return:

  - 200 OK

    ```json
    {
      "ok":true,
      "data":{
        "username":"USER NAME",
        "city":"CITY",
        "street":"STREET",
        "zipcode":"ZIPCODE"
      }
    }
    ```

  - 401 Unauthorized (Token problem, User doesn't exist ...)

    ```json
    {
      "ok":false,
      "message": "error messages"
    }
    ```

- Method : `PATCH` 프로필 수정

- Request Body: **모두 필수가 아님**

  ```json
  {
    "city":"CITY",
    "street":"STREET",
    "zipcode":"ZIPCODE",
    "password":"PASSWORD"
  }
  ```

- Headers: **JWT 필요**

```json
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Return:

  - 200 OK

    ```json
    {
      "ok":true,
      "data":{
        "username":"USER NAME",
        "city":"CITY",
        "street":"STREET",
        "zipcode":"ZIPCODE"
      }
    }
    ```

  - 401 Unauthorized (Token problem, User doesn't exist ...)

    ```json
    {
      "ok":false,
      "message": "error messages"
    }
    ```

Items : `/items`

- `/` : 상품 추가 및 조회
  - Method : `POST` : 상품 추가
  - Request Body: **모두 필수**

    ```
    {
      "name": "ITEM NAME",
      "price": ITEM-PRICE (INTEGER),
      "stock_quantity": STOCK-QUANTITY (INTEGER)
    }
    ```

  - Headers : **ADMIN 권한을 가진 USER의 JWT 필요**

    ```
    {
      "Authorization": "Bearer JSON WEB TOKEN"
    }
    ```

  - Response:
    - 200 OK

      ```
      {
        "ok":true,
        "data":{
          "id": ID (INTEGER),
          "name": "ITEM NAME",
          "price": ITEM-PRICE (INTEGER),
          "stock_quantity": STOCK-QUANTITY (INTEGER)
        }
      }
      ```

    - 400 Bad Request

```json
{
  "ok":false,
  "message": "error messages"
}
```

- 401 Unauthorized (Token is not valid)

```json
{
  "ok":false,
  "message": "This token is not valid!"
}
```

- 403 Forbidden (JWT is not for ADMIN)

```json
{
  "ok":false,
  "message": "error messages"
}
```

- Method : `GET` : 전체 상품 페이지 별로 조회

- Request Body: X

- Query String:

```
page : 조회 할 페이지 번호
```

- Response:

  - 200 OK

```
{
  "ok":true,
  "data":[
    {
      "id": ID (INTEGER),
      "name": "ITEM NAME",
      "price": ITEM-PRICE (INTEGER),
      "stock_quantity": STOCK-QUANTITY (INTEGER)
    },
    ...
  ]
}
```

- 400 Bad Request (Page number error)

```
{
  "ok":false,
  "message": "Page number is not correct."
}
```

- 404 Not Found (No more pages)

```
{
  "ok":false,
  "message": "No more pages"
}
```

- `/page` : 상품 총 페이지 수 조회

  - Method : `GET` : 전체 상품 페이지 별로 조회

  - Request Body: X

  - Response:

    - 200 OK

```json
{
  "ok":true,
  "data":{
    "page": TOTAL-PAGE (INTEGER)
  }
}
```

- 400 Bad Request

```json
{
  "ok":false,
  "message": "error messages"
}
```

- `/:id` : 상품 조회, 수정, 삭제

  - Method : `GET` : id에 해당하는 상품 조회

  - Request Body: X

  - Request Parameter:

    ```
    id : 조회 할 상품 번호
    ```

  - Response:

    - 200 OK

```json
{
  "ok":true,
  "data":{
    "id": ID (INTEGER),
    "name": "ITEM NAME",
    "price": ITEM-PRICE (INTEGER),
    "stock_quantity": STOCK-QUANTITY (INTEGER)
  }
}
```

- 400 Bad Request

```json
{
  "ok":false,
  "message": "error messages"
}
```

- 404 Not Found (Item is not exist)

```json
{
  "ok":false,
  "message": "Item is not exist"
}
```

- Method : `PATCH` : id에 해당하는 상품 수정
- Request Body: **모두 필수가 아님**

```json
{
  "name": "ITEM NAME",
  "price": ITEM-PRICE (INTEGER),
  "stock_quantity": STOCK-QUANTITY (INTEGER)
}
```

- Headers : **ADMIN 권한을 가진 USER의 JWT 필요**

```json
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Request Parameter:

```
id : 수정 할 상품 번호
```

- Response:
  - 200 OK

```
{
  "ok":true,
  "data":{
    "id": ID (INTEGER),
    "name": "ITEM NAME",
    "price": ITEM-PRICE (INTEGER),
    "stock_quantity": STOCK-QUANTITY (INTEGER)
  }
}
```

- 400 Bad Request

```
{
  "ok":false,
  "message": "error messages"
}
```

- 404 Not Found (Item is not exist)

```
{
  "ok":false,
  "message": "Item is not exist"
}
```

- 401 Unauthorized (Token is not valid)

```
{
  "ok":false,
  "message": "This token is not valid!"
}
```

- 403 Forbidden (JWT is not for ADMIN)

```json
{
  "ok":false,
  "message": "error messages"
}
```

- Method : `DELETE` : id에 해당하는 상품 삭제

- Request Body: X

- Headers : **ADMIN 권한을 가진 USER의 JWT 필요**

```json
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Request Parameter:

```
id : 삭제 할 상품 번호
```

- Response:

  - 200 OK

    ```json
    {
      "ok":true
    }
    ```

  - 400 Bad Request

    ```json
    {
      "ok":false,
      "message": "error messages"
    }
    ```

  - 404 Not Found (Item is not exist)

```
{
  "ok":false,
  "message": "Item is not exist"
}
```

- 401 Unauthorized (Token is not valid)

```
{
  "ok":false,
  "message": "This token is not valid!"
}
```

- 403 Forbidden (JWT is not for ADMIN)

```
{
  "ok":false,
  "message": "error messages"
}
```

CartItem : `/cart`

- `/` : 장바구니 상품 조회, 추가, 생성

  - Method : `GET` : 현재 회원의 카트에 있는 상품을 모두 조회

  - Request Body: X

  - Headers : **USER의 JWT 필요**

    ```
    {
        "Authorization": "Bearer JSON WEB TOKEN"
    }
    ```

  - Response:

    - 200 OK

      ```
      {
        "ok":true,
        "data":[
          {
            "item_id": ITEM-ID (INTEGER),
            "count": QUANTITY-OF-THE-ITEM-IN-THE-CART (INTEGER)
          },
          ...
        ]
      }
      ```

    - 400 Bad Request

      ```
      {
        "ok":false,
        "message": "error messages"
      }
      ```

    - 404 Not Found (Item is not exist)

```
{
  "ok":false,
  "message": "Item is not exist"
}
```

- 401 Unauthorized (Token is not valid)

```
{
  "ok":false,
  "message": "This token is not valid!"
}
```

- Method : `POST` : 카트에 새로운 상품을 추가

- Request Body:

```
{
  "item_id": ITEM-ID (INTEGER),
  "count": QUANTITY-OF-THE-ITEM-IN-THE-CART (INTEGER)
}
```

- Headers : **USER의 JWT 필요**

```
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Response:

  - 200 OK

```json
{
  "ok":true,
  "data":[
    {
      "item_id": ITEM-ID (INTEGER)
      "count": QUANTITY-OF-THE-ITEM-IN-THE-CART (INTEGER)
    },
    ...
  ]
}
```

- 400 Bad Request

```json
{
  "ok":false,
  "message": "error messages"
}
```

- 404 Not Found (Item is not exist)

```json
{
  "ok":false,
  "message": "Item is not exist"
}
```

- 401 Unauthorized (Token is not valid)

```json
{
  "ok":false,
  "message": "This token is not valid!"
}
```

- Method : `DELETE` : 카트에서 상품 삭제 혹은 개수 수정

- Request Body:

```
{
  "item_id": ITEM-ID (INTEGER),
  "count": QUANTITY-OF-THE-ITEM-FOR-MODIFYING-IN-THE-CART
(INTEGER)
}
```

- Headers : **USER의 JWT 필요**

```
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Response:

  - 200 OK

    ```
    {
      "ok":true
    }
    ```

  - 400 Bad Request

    ```
    {
      "ok":false,
      "message": "error messages"
    }
    ```

  - 404 Not Found (Item is not exist)

    ```
    {
      "ok":false,
      "message": "Item is not exist"
    }
    ```

  - 401 Unauthorized (Token is not valid)
```

```json
{
  "ok":false,
  "message": "This token is not valid!"
}
```

```json
  "ok":false,
  "message": "This token is not valid!"
}
```

Orders : `/orders`

- `/` : 주문 목록 조회 및 주문 생성

  - Method : `POST` : 주문 생성

  - Request Body:

    ```
    {
      "delivery_id" : DELIVERY-ID (INTEGER)
      "items":[
        {
          "item_id": ITEM-ID (INTEGER),
          "count": QUANTITY-OF-THE-ITEM-IN-THE-CART (INTEGER),
          "price": ITEM-PRICE * COUNT (INTEGER)
        },
        ...
      ]
    }
    ```

  - Headers : **USER의 JWT 필요**

    ```
    {
      "Authorization": "Bearer JSON WEB TOKEN"
    }
    ```

  - Response:

    - 200 OK

      ```
      {
        "ok":true,
        "data":{
          "id": ORDER-ID (INTEGER),
          "order_date": ORDERED-DATE (DATETIME),
          "status": true
        }
      }
      ```

- 400 Bad Request

```
{
  "ok":false,
  "message": "error messages"
}
```

- 401 Unauthorized (Token is not valid)

```
{
  "ok":false,
  "message": "This token is not valid!"
}
```

- Method : `GET` : 현재 회원의 모든 주문 목록 조회
- Request Body: X
- Query Parameter:

```
page : 조회 할 페이지 번호
```

- Headers : **USER의 JWT 필요**

```
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Response:
  - 200 OK

```
{
  "ok":true,
  "data":[
    {
      "id": ORDER-ID (INTEGER),
      "order_date": ORDERED-DATE (DATETIME),
      "status": ORDER-STATUS (BOOLEAN)
    },
    ...
  ]
}
```

- 400 Bad Request

```
{
  "ok":false,
  "message": "error messages"
}
```

- 401 Unauthorized (Token is not valid)

```
{
  "ok":false,
  "message": "This token is not valid!"
}
```

- `/page`

  - Method : `GET` : 전체 주문 목록 총 페이지 조회

  - Request Body: X

  - Headers : **USER의 JWT 필요**

```
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Response:

    - 200 OK

        ```json
        {
          "ok":true,
          "data":{
            "page": TOTAL-PAGE (INTEGER)
          }
        }
        ```

    - 400 Bad Request

        ```json
        {
          "ok":false,
          "message": "error messages"
        }
        ```

- `/:id` : 주문 상세 조회 및 취소

    - Method : `GET` : 주문 상세 조회

    - Request Body: X

    - Request Parameter:

        ```
        id : 상세 조회 할 주문의 아이디
        ```

    - Headers : **USER의 JWT 필요**

        ```json
        {
          "Authorization": "Bearer JSON WEB TOKEN"
        }
        ```

    - Response:

        - 200 OK

```json
{
  "ok":true,
  "data":[
    {
      "item_id": ITEM-ID (INTEGER),
      "count": QUANTITY-OF-THE-ITEM-IN-THE-CART (INTEGER),
      "price": ITEM-PRICE * COUNT (INTEGER)
    },
    ...
  ]
}
```

- 400 Bad Request

```json
{
  "ok":false,
  "message": "error messages"
}
```

- 404 Not Found (Order is not exist)

```json
{
  "ok":false,
  "message": "Order is not exist"
}
```

- METHOD : `DELETE` : 주문 취소

- Request Body: X

- Request Parameter:

  ```
  id : 취소 할 주문의 아이디
  ```

- Headers : **USER의 JWT 필요**

```
{
  "Authorization": "Bearer JSON WEB TOKEN"
}
```

- Response:

  - 200 OK

    ```
    {
      "ok":true
    }
    ```

  - 400 Bad Request

    ```
    {
      "ok":false,
      "message": "error messages"
    }
    ```

  - 404 Not Found (Order is not exist)

    ```
    {
      "ok":false,
      "message": "Order is not exist"
    }
    ```