

API Documentation
Final Project
“instudio” - Java Interior Design Service Ordering Application
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1. Register

POST /register

Request

```
{
  "username": "Customer4",
  "password": "Customer4%",
  "role": "customer",
  "name": "Customer 4",
  "email": "customer4@gmail.com",
  "contact": "012345678900",
  "address": "Jl. Abc No.1, Bekasi"
}
```

Response

```
{
  "id": 9,
  "username": "Customer4",
  "name": "Customer 4",
  "email": "customer4@gmail.com",
  "contact": "012345678900",
  "address": "Jl. Abc No.1, Bekasi",
  "role": "customer",
  "status": 1
}
```

Exception

```
{
  "errorMessage": "Username has been already used. Please change the username."
}

{
  "errorMessage": "Wrong regex. Please re-enter the username."
}

{
  "errorMessage": "Wrong regex. Please re-enter the password."
}

{
  "errorMessage": "Wrong regex. Please re-enter the email."
}
```

```
{
  "errorMessage": "Wrong regex. Please re-enter the username and password."
}

{
  "errorMessage": "Wrong regex. Please re-enter the username and email."
}

{
  "errorMessage": "Wrong regex. Please re-enter the password and email."
}

{
  "errorMessage": "Wrong regex. Please re-enter the username, password, and email."
}
```

2. Login

POST /login

Request

```
{
  "username": "Customer4",
  "password": "Customer4%"
}
```

Response

```
{
  "id": 9,
  "token": "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsImhhdCI6MTY3NzU4MzYwNn0.W9lUZFIrGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw"
}
```

Exception

```
{
  "errorMessage": "Login Failed: We could not find your account."
}

{
  "errorMessage": "Login Failed: Wrong Password. Please re-enter the password."
}

{
  "errorMessage": "Login Failed: Your account is inactive. Please call the admin."
}
```

3. View Profile

GET /api/user/view/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsIm1hdCI6MTY3NzU4MzYwNn0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Response

```
{
  "id": 9,
  "username": "Customer4",
  "name": "Customer 4",
  "email": "customer4@gmail.com",
  "contact": "012345678900",
  "address": "Jl. Abc No.1, Bekasi",
  "role": "customer",
  "status": 1
}
```

Exception

```
{
  "errorMessage": "User with id 10 is not found"
}

{
  "errorMessage": "Unable to view. User id must be a number."
}
```

4. Update Profile

PUT /api/user/update/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsIm1hdCI6MTY3NzU4MzYwNn0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Body

```
{
  "name": "Customer 4",
  "email": "customer4@outlook.com",
  "contact": "0123456789",
}
```

```
    "address": " Jl. Abcd No.1, Bekasi"
}
```

Response

```
{
  "id": 9,
  "username": "Customer4",
  "name": "Customer 4",
  "email": "customer4@outlook.com",
  "contact": "0123456789",
  "address": " Jl. Abcd No.1, Bekasi",
  "role": "customer",
  "status": 1
}
```

Exception

```
{
  "errorMessage": "Unable to update. User with id 10 is not found."
}

{
  "errorMessage": "Unable to update. User id must be a number."
}
```

5. Delete Account

PUT /api/user/delete/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b2llcW91UzFIRGpC_iTG6R26-  
NzU4MzYwNn0.W91UZFIrGpC_iTG6R26-  
aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Response

```
{
  "message": "Delete Account: Success!"
}
```

Exception

```
{
  "errorMessage": "Unable to delete. User with id 10 not found."
}
```

```
{
  "errorMessage": "Unable to delete. User id must be a number."
}
```

6. Get All Products

GET /api/product

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsImhhdCI6MTY3NzU4MzYwNn0.W9lUZfIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Response

```
[
  {
    "product_id": 1,
    "product_name": "Kitchen Set A",
    "product_model": "Letter L",
    "estimated_cost": 7000000.0,
    "product_status": 1,
    "imageDAO": {
      "image_id": 2,
      "image_name": "KS_Letter_L_A",
      "image": "https://www.dropbox.com/s/2fefvlz2n0cb6is/KS_Letter_L.jpg?dl=0",
      "image_status": 1
    }
  },
  {
    "product_id": 2,
    "product_name": "Kitchen Set B",
    "product_model": "Letter I",
    "estimated_cost": 5500000.0,
    "product_status": 1,
    "imageDAO": null
  },
  {
    "product_id": 4,
    "product_name": "Kitchen Set C",
    "product_model": "Letter U",
    "estimated_cost": 9000000.0,
    "product_status": 1,
    "imageDAO": null
  },
  {
    "product_id": 5,
```

```

        "product_name": "Kitchen Set D",
        "product_model": "Island",
        "estimated_cost": 1.5E7,
        "product_status": 1,
        "imageDAO": {
            "image_id": 1,
            "image_name": "KS_Island_D",
            "image": "https://www.dropbox.com/s/ffukpvdokbgnyph/KS_Island.jpg?dl=
0",
            "image_status": 1
        }
    },
    {
        "product_id": 6,
        "product_name": "Bed Set A",
        "product_model": "Storage Bed",
        "estimated_cost": 6000000.0,
        "product_status": 1,
        "imageDAO": {
            "image_id": 3,
            "image_name": "Storage_Bed_Set_A",
            "image": "https://www.dropbox.com/s/tryy239r2kv12u7/Karsten%20Storage
%20Bed.jpeg?dl=0",
            "image_status": 1
        }
    }
}
]

```

Exception

7. Get a Product

GET /api/product/{product_id}

Request

Authorization

Type: Bearer Token

Token:

eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsIm1hdCI6MTY3NzU4MzYwNn0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw

Response

```

{
    "product_id": 1,
    "product_name": "Kitchen Set A",
    "product_model": "Letter L",
    "estimated_cost": 7000000.0,

```

```
    "product_status": 1
}
```

Exception

```
{
    "errorMessage": "Product with id 8 is not found"
}

{
    "errorMessage": "Unable to view. Id must be a number."
}
```

8. Create Product

POST /api/product/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsImhhdCI6MTY3NzU4MzYwNm0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Body

```
{
    "product_name": "Bed Set A",
    "product_model": "Storage Bed",
    "estimated_cost": 5000000
}
```

Response

```
{
    "product_id": 6,
    "product_name": "Bed Set A",
    "product_model": "Storage Bed",
    "estimated_cost": 5000000.0,
    "product_status": 1
}
```

Exception

```
{
    "errorMessage": "Unable to create. The role of customer doesn't have permission to create product."
}

{
    "errorMessage": "Unable to create. User status is inactive."
}
```

```
}

{
  "errorMessage": "Unable to create. User id must be a number."
}
```

9. Update Product

PUT /api/product/{product_id}/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsImhhdCI6MTY3NzU4MzYwNn0.W91UZFIrGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Body

```
{
  "product_name": "Bed Set A",
  "product_model": "Storage Bed",
  "estimated_cost": 6000000
}
```

Response

```
{
  "product_id": 6,
  "product_name": "Bed Set A",
  "product_model": "Storage Bed",
  "estimated_cost": 6000000.0,
  "product_status": 1
}
```

Exception

```
{
  "errorMessage": "Unable to edit. The role of customer doesn't have permission to edit product."
}

{
  "errorMessage": "Unable to update. User status is inactive."
}

{
  "errorMessage": "Unable to update. ID must be a number."
}
```

10. Delete Product

PUT /api/product/delete/{product_id}/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsIm1hdCI6MTY3NzU4MzYwNn0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Response

```
{
  "message": "Delete Product: Success!"
}
```

Exception

```
{
  "errorMessage": "Unable to delete. The role of customer doesn't have permission to delete product."
}

{
  "errorMessage": "Unable to delete. User status is inactive."
}

{
  "errorMessage": "Unable to delete. ID must be a number."
}
```

11. Create Visit Order

POST /api/order/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsIm1hdCI6MTY3NzU4MzYwNn0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Body

```
{
  "visit_date": "2023-05-07",
  "visit_time": "14:00:00",
  "visit_address": "Jl. Abcd No.1, Bekasi"
}
```

Response

```
{
  "order_id": 8,
  "order_code": "TR8",
  "order_date": "2023-03-01",
  "visit_date": "2023-05-07",
  "visit_time": "14:00:00",
  "visit_address": "Jl. Abcd No.1, Bekasi",
  "order_amount": 0.0,
  "orderDetDAOList": [],
  "paymentDAOList": []
}
```

Exception

```
{
  "errorMessage": "Unable to order. User status is inactive"
}

{
  "errorMessage": "Unable to order. User id must be a number."
}
```

12. Update Order

PUT /api/order/{order_id}/{user_id}

Request

Authorization

Type: Bearer Token

Token:

eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDYsImhhdCI6MTY3NzU4MzYwNm0uW91UZFIkGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw

Body

```
{
  "order_details" : [
    {
      "estimated_time":4,
      "product_id":1,
      "product_size":5,
      "product_theme":"Black & White",
      "subtotal":1000000
    }
  ]
}
```

Response

```
{
```

```

"order_id": 8,
"order_code": "TR8",
"order_date": "2023-03-01",
"visit_date": "2023-05-07",
"visit_time": "14:00:00",
"visit_address": "Jl. Abcd No.1, Bekasi",
"order_amount": 5000000.0,
"orderDetDAOList": [
  {
    "order_det_id": 6,
    "estimated_time": 4,
    "product_size": 5,
    "product_theme": "Black & White",
    "subtotal": 5000000.0,
    "productDAO": {
      "product_id": 1,
      "product_name": "Kitchen Set A",
      "product_model": "Letter L",
      "estimated_cost": 7000000.0,
      "product_status": 1
    }
  }
],
"paymentDAOList": []
}

```

Exception

```

{
  "errorMessage": "Order with id 10 is not found"
}

{
  "errorMessage": "Unable to update. The role of customer doesn't have
permission to update order details."
}

{
  "errorMessage": "Unable to update. User status is inactive"
}

{
  "errorMessage": "Unable to update. ID must be a number."
}

```

13. Create Payment

POST /api/payment/{order_id}/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsIm1hdCI6MTY3NzU4MzYwNn0.W91UZFFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Body

```
{
  "payment_method": "cash",
  "payment_amount": "2000000",
  "payment_detail": "DP"
}
```

Response

```
{
  "payment_id": 7,
  "payment_date": "2023-03-01",
  "payment_method": "cash",
  "payment_amount": 2000000.0,
  "payment_detail": "DP",
  "tf_acc_number": null
}
```

Exception

```
{
  "errorMessage": "Unable to create payment. Order with id 10 is not found."
}

{
  "errorMessage": "Unable to create payment. The role of admin doesn't have permission to create payment."
}

{
  "errorMessage": "Unable to create payment. User status is inactive"
}

{
  "errorMessage": "Unable to create payment. User id must be a number."
}
```

14. View User Orders

GET /api/order/{user_id}

Request

Authorization

Type: Bearer Token

Token:

eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJkZDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsImhhdCI6MTY3NzU4MzYwNn0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw

Response

```
[
  {
    "order_id": 5,
    "order_code": "TR5",
    "order_date": "2023-02-25",
    "visit_date": "2023-04-01",
    "visit_time": "08:30:00",
    "visit_address": "Jakarta Utara",
    "order_amount": 2.4E7,
    "orderDetDAOList": [
      {
        "order_det_id": 4,
        "estimated_time": 2,
        "product_size": 12,
        "product_theme": "Industrial",
        "subtotal": 2.4E7,
        "productDAO": {
          "product_id": 5,
          "product_name": "Kitchen Set D",
          "product_model": "Island",
          "estimated_cost": 1.5E7,
          "product_status": 0
        }
      }
    ],
    "paymentDAOList": [
      {
        "payment_id": 3,
        "payment_date": "2023-03-01",
        "payment_method": "bank transfer",
        "payment_amount": 1.2E7,
        "payment_detail": "DP",
        "tf_acc_number": "1234567890"
      },
      {
        "payment_id": 6,
        "payment_date": "2023-03-01",
        "payment_method": "bank transfer",
        "payment_amount": 1.2E7,
        "payment_detail": "Pelunasan",
        "tf_acc_number": "12345678"
      }
    ]
  }
],
```

```

{
  "order_id": 6,
  "order_code": "TR6",
  "order_date": "2023-02-26",
  "visit_date": "2023-02-28",
  "visit_time": "09:30:00",
  "visit_address": "Jakarta Utara",
  "order_amount": 0.0,
  "orderDetDAOList": [],
  "paymentDAOList": []
}
]

```

Exception

```

{
  "errorMessage": "Unable to view order. User status is inactive"
}

{
  "errorMessage": "Unable to view. User id must be a number."
}

```

15. View Order

GET /api/order/{order_id}/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```

eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsIm1hdCI6MTY3NzU4MzYwNn0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw

```

Response

```

{
  "order_id": 7,
  "order_code": "TR7",
  "order_date": "2023-02-28",
  "visit_date": "2023-05-05",
  "visit_time": "10:30:00",
  "visit_address": "Jl. Abcd No.1, Bekasi",
  "order_amount": 6000000.0,
  "orderDetDAOList": [
    {
      "order_det_id": 5,
      "estimated_time": 1,
      "product_size": 6,
      "product_theme": "Black & White",

```

```

        "subtotal": 6000000.0,
        "productDAO": {
            "product_id": 6,
            "product_name": "Bed Set A",
            "product_model": "Storage Bed",
            "estimated_cost": 6000000.0,
            "product_status": 0
        }
    },
    "paymentDAOList": [
        {
            "payment_id": 4,
            "payment_date": "2023-03-01",
            "payment_method": "bank transfer",
            "payment_amount": 3000000.0,
            "payment_detail": "DP",
            "tf_acc_number": "1234567890"
        },
        {
            "payment_id": 5,
            "payment_date": "2023-03-01",
            "payment_method": "bank transfer",
            "payment_amount": 3000000.0,
            "payment_detail": "Pelunasan",
            "tf_acc_number": "1234567890"
        }
    ]
}

```

Exception

```

{
    "errorMessage": "Order with id 10 not found"
}

{
    "errorMessage": "Unable to view order. User status is inactive"
}

{
    "errorMessage": "Unable to view. ID must be a number."
}

```

16. Upload Image

POST /api/image/{user_id}

Request

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsImhhdCI6MTY3NzU4MzYwNn0.W91UZFiRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Body

```
{
  "image_name": "Storage_Bed_Set_A",
  "image": "https://www.dropbox.com/s/tryy239r2kvl2u7/Karsten%20Storage%20Bed.jpeg?dl=0"
}
```

Response

```
{
  "image_id": 3,
  "image_name": "Storage_Bed_Set_A",
  "image": "https://www.dropbox.com/s/tryy239r2kvl2u7/Karsten%20Storage%20Bed.jpeg?dl=0",
  "image_status": 1
}
```

Exception

```
{
  "errorMessage": "Unable to upload image. The role of customer doesn't have permission to upload image."
}

{
  "errorMessage": "Unable to upload image. User status is inactive"
}

{
  "errorMessage": "Unable to upload image. User id must be a number."
}
```

17. Delete Image

PUT /api/image/{image_id}/{user_id}

Request**Authorization**

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b21lcjQiLCJleHAiOjE2Nzc2MDE2MDYsImhhdCI6MTY3NzU4MzYwNn0.W91UZFiRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```


Response

```
{
  "message": "Delete Image: Success!"
}
```

Exception

```
{
  "errorMessage": "Imsgc with id 100 not found"
}

{
  "errorMessage": "Unable to delete image. The role of customer doesn't have permission to delete image."
}

{
  "errorMessage": "Unable to delete image. User status is inactive"
}

{
  "errorMessage": "Unable to delete image. ID must be a number."
}
```

18. Logout

POST /api/logout

Post

Authorization

Type: Bearer Token

Token:

```
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJDdXN0b2llcjQiLCJleHAiOjE2Nzc2MDE2MDYsImhhdCI6MTY3NzU4MzYwNn0.W91UZFIRGpC_iTG6R26-aYySqO3qBQVazham08SojdEnqGs4cIk9wr24ikR42d2YjXpXug4E8kaQnx1PMLXGEw
```

Response

```
{
  "message": "Logout Successful!"
}
```

Exception