Graduation Project API

Glossary

We have three roles in our API

1-Doctor

2-user (Pharmacist)

3-Admin (Admin)

\*\* when pass Role name must be in UPPERCASE

This is shape of user

User=

{**"id": "string",**

**"userName": "string",**

**"normalizedUserName": "string",**

**"email": "string",**

**"normalizedEmail": "string",**

**"emailConfirmed": true,**

**"passwordHash": "string",**

**"securityStamp": "string",**

**"concurrencyStamp": "string",**

**"phoneNumber": "string",**

**"phoneNumberConfirmed": true,**

**"twoFactorEnabled": true,**

**"lockoutEnd": "2024-05-03T17:54:12.893Z",**

**"lockoutEnabled": true,**

**"accessFailedCount": 0**

**}**

Account End Points

1-Doctor Login

url: **https://localhost:7127/api/Account/DoctorLogin'**

input: {

"email": "string",

"password": "string"

}

Output:

statusCode=200,data=user,Message=OK

stausCode=401,data=null,Message= Not Doctor Account

statusCode=403,data=null,Message= validation errors (loop on it and display it)

statusCode=400,data=null,Message= Inavlid username Or Password Attempt

statusCode=500,data=null,Message=Exception message

2-Doctor Register

url: **https://localhost:7127/api/Account/DoctorRegister**

input

**{**

**"email": "string",**

**"password": "string",**

**"name": "string"**

**}**

Output:

statusCode=200,data=user,Message= Signup Successfully

stausCode=403,data=null,Message= validation errors (loop on it and display)

stausCode=500,data=null,Message= Exception Message

stausCode=400,data=null,Message= error message

3-Pharmacist Login

url: **https://localhost:7127/api/Account/PharmacistLogin**

input

{

"email": "string",

"password": "string"

}

Output

statusCode=200,data=rolename,Message=OK

stausCode=401,data=null,Message= Not Pharmacist Account

statusCode=403,data=null,Message= validation errors (loop on it and display it)

statusCode=400,data=null,Message= Inavlid username Or Password Attempt

statusCode=500,data=null,Message=Exception message

4- PharmacistAdminRegister

**https://localhost:7127/api/Account/PharmacistAdminRegister**

input:

{

"email": "string",

"password": "string"

}

Output

statusCode=200,data=user,Message= Signup Successfully

statusCode=403,data=null,Message= validation errors (loop on it and display it)

statusCode=400,data=null,Message= Error message

statusCode=500,data=null,Message=Exception message

5-pharmacistUserRegister

**https://localhost:7127/api/Account/PharmacistUserRegister**

input

{

"email": "string",

"password": "string"

}

Output

statusCode=200,data=user,Message= Signup Successfully

statusCode=403,data=null,Message= validation errors (loop on it and display it)

statusCode=400,data=null,Message= Error message

statusCode=500,data=null,Message=Exception message

6-ForgetPassword

**https://localhost:7127/api/Account/ForgetPassword**

input

{

"email": "string",

"url": "string" url of page that will be displayed to reset Password

}

Output

statusCode=200,data=token(will be saved and again to reset password Action),Message= Email

sent Successfully

statusCode=404,data=null,Message= user Not Found

statusCode=400,data=null,Message= validation errors(loop on it and display)

statusCode=500,data=null,Message=Some thing Wrong

7-resetPassword

**https://localhost:7127/api/Account/ResetPassword**

input

{

"password": "string",

"email": "string",

"token": "string"

}

Output

statusCode=200,data=null,Message=password reset successfully

statusCode=404,data=null,Message= user Not Found

statusCode=400,data=null,Message= validation errors(loop on it and display)

8-Remove From Role

**https://localhost:7127/api/Account/RemoveFromRole**

input

{

"email": "string",

"role": "string"

}

Output

StatusCode = 200, Data = userdata, Message = "user Removed From Role"

statusCode=404,data=null,Message= user Not Found

statusCode=400,data=null,Message= validation errors(loop on it and display)

statusCode=500,data=null,Message=Exceptionmessage

9-Add To Role

**https://localhost:7127/api/Account/AddToRole**

input

{

"email": "string",

"role": "string"

}

Output

StatusCode = 200, Data = userdata, Message = "user Assigned To Role" ;

statusCode=404,data=null,Message= user Not Found

statusCode=400,data=null,Message= validation errors(loop on it and display)

statusCode=500,data=null,Message=Exceptionmessage

Doctor EndPoints

1-GetAll

**'https://localhost:7127/api/Doctor/GetAll'**

Output

**"statusCode": 200,**

**"data": [**

**{**

**"id": 1,**

**"name": "mohamedatef",**

**"email": "mohamedatef@gmail.com",**

**"prescriptions": []**

**},**

**{**

**"id": 2,**

**"name": "mostafakamal@gmail.com",**

**"email": "mostafakamal@gmail.com",**

**"prescriptions": []**

**}**

**],**

**"message": "Data Retreived Successfully"**

**}**

2-GetById

**https://localhost:7127/api/Doctor/GetById/1**

input

id as path Paramater

output

StatusCode = 200, Data = userdata, Message = "Data retrived Successfully" ;

StatusCode = 404, Data = null, Message = "Doctor Not Found"

3-Create

**https://localhost:7127/api/Doctor/create**

input

{

"name": "string",

"email": "user@example.com",

}

Output

StatusCode = 200, Data = Doctor, Message = "Medicine Added Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

4-Update

**https://localhost:7127/api/Doctor/update**

input

{

Id:number,

"name": "string",

"email": "user@example.com",

}

Output

StatusCode = 200, Data = Doctor, Message = "Doctor Added Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

5-Delete

**https://localhost:7127/api/Doctor/Delete/1**

input

id as Path Pramater

Output

StatusCode = 200, Data = Doctor, Message = "Medicine Deleted Successfully"

StatusCode = 404, Data = null, Message = Medicine Not Found

Medicine EndPoints

1-GetAll()

**https://localhost:7127/api/Medicines/GetAll**

output

**{**

**"statusCode": 200,**

**"data": [**

**{**

**"id": 1,**

**"name": "string",**

**"activeIngredient": "string",**

**"description": "string",**

**"numberInStock": 9,**

**"shelFNumber": 10,**

**"expirationDate": "2024-05-04T00:00:00",**

**"price": 0,**

**"medicineOfPrescriptions": []**

**},**

**{**

**"id": 2,**

**"name": "string",**

**"activeIngredient": "string",**

**"description": "string",**

**"numberInStock": 10,**

**"shelFNumber": 10,**

**"expirationDate": "2024-05-04T00:00:00",**

**"price": 0,**

**"medicineOfPrescriptions": []**

**}**

**],**

**"message": "Data Retreived Successfully"**

**}**

2-GetByID

**https://localhost:7127/api/Medicines/GetById/1**

input

id as path Paramater

output

StatusCode = 200, Data = userdata, Message = "Data retrived Successfully" ;

StatusCode = 404, Data = null, Message = "Doctor Not Found"

3-Create

**https://localhost:7127/api/Medicines/create**

input

{

"

"name": "string",

"activeIngredient": "string",

"description": "string",

"numberInStock": 0,

"shelFNumber": 0,

"expirationDate": "2024-05-04",

"price": 0,

}

Output

StatusCode = 200, Data = Doctor, Message = "Medicine Added Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

4-Update

**https://localhost:7127/api/Medicines/Update**

Input

{

"id":1,

"name": "string",

"activeIngredient": "string",

"description": "string",

"numberInStock": 0,

"shelFNumber": 0,

"expirationDate": "2024-05-04",

"price": 0,

}

OutPut

StatusCode = 200, Data = Doctor, Message = "Medicine Updated Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

5-Delete

**https://localhost:7127/api/Medicines/Delete/1'**

input

id as Path Paramater

OutPut

StatusCode = 200, Data = Doctor, Message = "Medicine Deleted Successfully"

StatusCode = 404, Data = null, Message = Medicine Not Found

6-GetShelfNumber

6-

**https://localhost:7127/api/Medicines/GetShelfNumbers?ids=2&ids=1**

input

query parameter ids(in case of multiple ids (**ids=1&ids=2&ids=3**)

output

StatusCode = 200, Data = Array Contain shelf Numbers, Message = "ShelfNumbers Retreived Successfully"

7- GetSoonExpiredAndSoonOutOfStoock

**https://localhost:7127/api/Medicines/GetSoonExpiredAndSoonOutOfStoock**

Out Put

StatusCode = 200, Data = result (Medicne that will be sxpired or out of stock soon),

Message = "Data Retreived Successfully"

Pharmacist EndPoints

1-GetAll

**https://localhost:7127/api/Pharmacist/GetAll**

OutPut

**{**

**"statusCode": 200,**

**"data": [**

**{**

**"id": 1,**

**"name": "string",**

**"email": "atiffahmykhamis@gmail.com",**

**"orderHistories": []**

**},**

**{**

**"id": 2,**

**"name": "mohamedatef",**

**"email": "atiffahmykhamis@gmail.com",**

**"orderHistories": []**

**}**

**],**

**"message": "Data Retreived Successfully"**

**}**

2-GetByID

**https://localhost:7127/api/Pharmacist/GetById/1**

Input

Id as Path Paramater

OutPut

StatusCode = 200, Data = pharmacist, Message = "Data Retrieved Successfully"

StatusCode = 404, Data = null, Message = Pharmacist Not Found

3-Create

**https://localhost:7127/api/Pharmacist/create**

input

{

"name": "string",

"email": "string",

}

Output

StatusCode = 200, Data = pharmacist, Message = "Pharmacist Added Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

4-Update

**https://localhost:7127/api/Pharmacist/Update**

input

{

“id”:number,

"name": "string",

"email": "string",

}

Output

StatusCode = 200, Data = pharmacist, Message = "Pharmacist Updated Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

5-Delete

**https://localhost:7127/api/Pharmacist/Delete/1**

input

ID as Path Pramater

Output

StatusCode = 200, Data = pharmacist, Message = " pharmacist Deleted Successfully"

StatusCode = 404, Data = null, Message = Medicine Not Found

Patient EndPoints

1-GetALL

**https://localhost:7127/api/MedicineOfPrescription/GetAll**

OutPut

**{**

**"statusCode": 200,**

**"data": [],**

**"message": "Data Retreived Successfully"**

**}**

2-GetByID

**https://localhost:7127/api/MedicineOfPrescription/GetById/1/1**

input

Prescription id (First)

MedicneID (second)

As Path Pramater

Output

StatusCode = 200, Data = userdata, Message = "Data retrived Successfully" ;

StatusCode = 404, Data = null, Message = "Data Not Found"

3-Create

**https://localhost:7127/api/MedicineOfPrescription/Create**

input

{

"prescriptionId": 0,

"medicineId": 0,

"instructions": "string",

"durationInHours": 0,

}

Output

StatusCode = 200, Data = data you Added, Message = "Data Added Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

4-Update

**https://localhost:7127/api/MedicineOfPrescription/Update**

input

{

"prescriptionId": 0,

"medicineId": 0,

"instructions": "string",

"durationInHours": 0,

}

Output

StatusCode = 200, Data =data you Updated, Message = "Data Added Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

5-Delete

**https://localhost:7127/api/MedicineOfPrescription/Delete**

input

{

"prescriptionId": 0,

"medicineId": 0,

"instructions": "string",

"durationInHours": 0,

}

Output

StatusCode = 200, Data =, Message = "Data Deleted Successfully"

6- **GetByPrescriptionId**

6- **https://localhost:7127/api/MedicineOfPrescription/GetByPrescriptionId/1**

Input

Id as path Paramater

OutPut

**{**

**"statusCode": 200,**

**"data": [],**

**"message": "Data Retreived Successfully"**

**}**

Patient EndPoint

1-GetAll

**https://localhost:7127/api/Patient/GetAll**

Output

**{**

**"statusCode": 200,**

**"data": [Array Of Patient],**

**"message": "Data Retrieved Successfully"**

**}**

2-GetByID

**https://localhost:7127/api/Patient/GetById/1**

input

id as Path Paramater

OutPut

StatusCode = 200, Data =Patient data, Message = " Patient Retrieved" ;

StatusCode = 404, Data = null, Message = " Not Found Patient "

3-Create

**https://localhost:7127/api/Patient/Create**

input

{

"name": "string",

"email": "string",

"age": 0,

"address": "string"

"phone": "string"

}

output

StatusCode = 200, Data =data you Added, Message = "Data Added Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

4-update

**https://localhost:7127/api/Patient/Update**

input

{

Id:”0”,

"name": "string",

"email": "string",

"age": 0,

"address": "string"

"phone": "string"

}

output

StatusCode = 200, Data =data you Added, Message = "Data Added Successfully"

StatusCode = 400, Data = null, Message = validation errors(loop on it to display)

StatusCode = 500, Data = null, Message = exception Message

5-Delete

**https://localhost:7127/api/Patient/Delete/1**

input

id as Path Paramater

OutPut

StatusCode = 200, Data =Patient data, Message = " Patient Deleted" ;

StatusCode = 404, Data = null, Message = " Not Found Patient "

StatusCode = 500, Data = null, Message = ex.Message

6-GetByEmail

**ttps://localhost:7127/api/Patient/GetByEmail/jjjj'**

input

Email as path Paramater

Output

StatusCode = 200, Data = Patient data, Message = " Patient Retrieved"

StatusCode = 404, Data = null, Message = "Not Found Patient"

7- GetNames

Output

**https://localhost:7127/api/Patient/GetNames**

StatusCode = 200, Data = data (Array of Names), Message = "Names Retreived Successfully"

8- SendVerificationCode

**https://localhost:7127/api/Patient/SendVerificationCode/atiffahmykhamis%40gmail.com**

input

Email as Path Paramater

OutPut

statusCode=200,data=null,Message=” Messageset Successfully”

stausCode=404,data=null,Message= Not Found Patient

statusCode=400,data=null,Message= Patient is Already Verified

statusCode=500,data=null,Message=Exception message

9-VerifyCode

**https://localhost:7127/api/Patient/VerifyCode?email=Not%20Found%20Patient%22&code=Not%20Found%20Patient%22**

input

Email and code as Query Paramaters

Output

statusCode=200,data=null,Message=” Verification Done”

stausCode=404,data=null,Message= Not Found Patient"

StatusCode = 400, Data = null, Message = "Not Accepted Verification Code" }

MedicineOFPrescription EndPoints

1-GetAll

1-**https://localhost:7127/api/MedicineOfPrescription/GetAll**

Output

**{**

**"statusCode": 200,**

**"data": [],**

**"message": "Data Retreived Successfully"**

**}**

2-GetById

**https://localhost:7127/api/MedicineOfPrescription/GetById/1/1**

input

PrescriptionID as Path Pramater (first second)

Medicine ID as Path Parmater

Output

statusCode=200,data=data that retrieved,Message=” Data restrieved successfully”

stausCode=404,data=null,Message= Not Found Data"

3-GetBy PrescriptionID

**https://localhost:7127/api/MedicineOfPrescription/GetByPrescriptionId/1**

statusCode=200,data=data that retrieved,Message=” Data restrieved successfully”

stausCode=404,data=null,Message= Not Found Data"

4-Create

**https://localhost:7127/api/MedicineOfPrescription/create**

input

{

"prescriptionID": 1,

"medicineID": 2,

"instructions": "string",

"durationInHours": 0,

}

Output

StatusCode = 200, Data =Patient data, Message = " data Created" ;

StatusCode = 400, Data = null, Message = " validation errors loop on it and(display)"

StatusCode = 500, Data = null, Message = ex.Message

5-Update

**https://localhost:7127/api/MedicineOfPrescription/Update**

input

{

"prescriptionID": 1,

"medicineID": 2,

"instructions": "string",

"durationInHours": 0,

}

Output

StatusCode = 200, Data =Patient data, Message = " data Updated" ;

StatusCode = 400, Data = null, Message = " validation errors loop on it and(display)"

StatusCode = 500, Data = null, Message = ex.Message

6-Delete

**https://localhost:7127/api/MedicineOfPrescription/Delete/1/1**

input

PrescriptionID as Path Pramater (first)

Medicine ID as Path Parmater(second)

Output

statusCode=200,data=data that you delete ,Message=” Data Deleted successfully”

stausCode=404,data=null,Message= Not Found Data"

Prescription EndPoints

1-GetAll

**https://localhost:7127/api/Prescription/GetAll**

**{**

**"statusCode": 200,**

**"data": [],**

**"message": "Data Retreived Successfully"**

**}**

2-GetById

**https://localhost:7127/api/Prescription/GetById/1**

input

id as path parameter

Output

statusCode=200,data=data that retrieved,Message=” Data restrieved successfully”

stausCode=404,data=null,Message= Not Found Data"

3-Create

**https://localhost:7127/api/Prescription/Create**

input

{

"url": "host",

"barcode": "123456",

"diagnosis": "string",

"dateOfCreation": "2024-05-05T12:32:57.632Z",

"doctorID": 1,

"patientID":1,

"medicineOfPrescriptions": [

{

"medicineId": 1,

"instructions": "string",

"durationInHours": 0,

}

]

}Output

StatusCode = 200, Data =Prescription data, Message = " data Created" ;

StatusCode = 400, Data = null, Message = " validation errors loop on it and(display)"

StatusCode = 500, Data = null, Message = ex.Message

4-Update

input

{

Id:’1’,

"url": "host",

"barcode": "123456",

"diagnosis": "string",

"dateOfCreation": "2024-05-05T12:32:57.632Z",

"doctorID": 1,

"patientID":1,

"medicineOfPrescriptions": [

{

"medicineId": 1,

"instructions": "string",

"durationInHours": 0,

}

]

}

Output

StatusCode = 200, Data =Updated data, Message = " data Created" ;

StatusCode = 400, Data = null, Message = " validation errors loop on it and(display)"

StatusCode = 500, Data = null, Message = ex.Message

5-Delete

**https://localhost:7127/api/Prescription/Delete/1**

input

id as path paramater

Output

statusCode=200,data=data that you delete ,Message=” Data Deleted successfully”

stausCode=404,data=null,Message= Not Found Data"

6- GetByBarcCode

**https://localhost:7127/api/Prescription/** GetByBarcCode **/1**

input

barcode as path parameter

output

statusCode=200,data=data that retrieved,Message=” Data restrieved successfully”

stausCode=404,data=null,Message= Not Found Data"

8- **GetByIdWithRelatedData**

**https://localhost:7127/api/Prescription/GetByIdWithRelatedData/1**

this end point return prescriptionwith all related data;

input

id as path Paramater

output

**{**

**"statusCode": 200,**

**"data": {**

**"id": 1,**

**"barcode": "123456",**

**"diagnosis": "string",**

**"dateOfCreation": "2024-05-05T12:32:57.632",**

**"doctorID": 1,**

**"doctor": {**

**"id": 1,**

**"name": "nnn",**

**"email": "nnn"**

**},**

**"patientID": 1,**

**"patient": {**

**"id": 1,**

**"name": "mohamedatef",**

**"email": "atiffahmykhamis@gmail.com",**

**"age": 18,**

**"address": "tanta"**

**},**

**"medicineOfPrescriptions": [**

**{**

**"instructions": "string",**

**"durationInHours": 0,**

**"medicine": {**

**"id": 1,**

**"name": "bb",**

**"activeIngredient": "bb",**

**"description": "bb",**

**"numberInStock": 10,**

**"shelFNumber": 10,**

**"expirationDate": "2024-05-09T00:00:00",**

**"price": 150**

**}**

**}**

**]**

**},**

**"message": "Data Retreived Successfully"**

**}**

Order Histories EndPoint

1-Get All

**https://localhost:7127/api/OrderHistory/GetAll'**

output

**{**

**"statusCode": 200,**

**"data": [],**

**"message": "Data Retreived Successfully"**

**}**

2-GetByID

**https://localhost:7127/api/OrderHistory/GetById 1/1**

input

PrescriptionID (first)

medicineID (second);

Output

statusCode=200,data=data that retrieved,Message=” Data restrieved successfully”

stausCode=404,data=null,Message= Not Found Data"

3-Create

**https://localhost:7127/api/OrderHistory/Create**

input

{

"dateOfCreation": "2024-05-05T13:00:21.779Z",

"pharmacistID": 1,

"patientID": 1,

"prescriptionID": 1,

}

Output

StatusCode = 200, Data =Created data, Message = " data Created" ;

StatusCode = 400, Data = null, Message = " validation errors loop on it and(display)"

StatusCode = 500, Data = null, Message = ex.Message

4- Update

**https://localhost:7127/api/OrderHistory/Update**

input

{

"dateOfCreation": "2024-05-05T13:00:21.779Z",

"pharmacistID": 1

"patientID": 1

"prescriptionID": 1,

}

Output

StatusCode = 200, Data =Created data, Message = " data Created" ;

StatusCode = 400, Data = null, Message = " validation errors loop on it and(display)"

StatusCode = 500, Data = null, Message = ex.Message

-Delete

**https://localhost:7127/api/OrderHistory/Delete/1/1**

input

Prescrptionid (first)

pharmacistID (second)

output

StatusCode = 200, Data =deleted data, Message = " data Deleted" ;

StatusCode = 404, Data = null, Message = " Not Found“

Submit

**https://localhost:7127/api/submit/Delete/1/1**

input

Prescrptionid (first)

pharmacistID (second)

output

StatusCode = 200, Data = null, Message = "Prescription submitted “

In case of out of stock or expired medicine is in prescription

StatusCode = 400, Data = null, Message = $"{item.Medicine.Name} is out of Stock "

StatusCode = 400, Data = null, Message = $"{item.Medicine.Name} is expired "

ShelfStatus EndPoints

1-GetAll

**https://localhost:7127/api/ShelfStatus/GetAll**

**Response body**

**Download**

**{**

**"statusCode": 200,**

**"data": [],**

**"message": "data retreived successfully"**

**}**

2-insert

**https://localhost:7127/api/ShelfStatus/Create**

input

{

"shelfNumber": 10,

"status": "Green"

}