Pharmacy Manager
API Documentation

Github Repository

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1. Sessions

1.1. Create session

FEATURE: Create session		
URL: POST /sessions		

REQUEST BODY:
{
  "userName": <string>,
  "password": <string>
}		

RESPONSE	CODE	RESPONSE BODY

OK	200: OK	{
		  "token": <string>
		}

Invalid request format	400: Bad Request	{
		  "error": "validationError"
		  "message": "resource does not exist"
		}

Incorrect credentials	403: Forbidden	{
		  "error":"Forbidden",
		  "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		  "error": "InternalServerError",
		  "message": "Internal server error"
		}

1.2. Get user profile

FEATURE: Get user profile from token		
URL: GET /sessions/profile		
HEADER: Authorization:{token}		
RESPONSE	**CODE**	**REQUEST BODY**

OK	200: OK	{
		  "userName": \<string>,
		  "roleName": \<string>,
		  "pharmacyName": \<string>,
		}

Internal server error	500: Internal Server Error	{
		  "error":"InternalServerError",
		  "message": "Internal server error"
		}

2. Invitations

2.1. Create invitation

FEATURE: Create new user invitation		
URL: POST /invitations		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Admin y Owner		

REQUEST BODY:
{
 "userName": \<string>,
 "roleName": \<string>,
 "pharmacyName": \<string>
}		

RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		 "userName": \<string>,
		 "roleName": \<string>,
		 "invitationCode": \<string>,
		 "pharmacyName": \<string>,
		 "used": \<bool>
		}

Invalid request format	400: Bad Request	{
		 "error": "validationError"
		 "message": "resource does not exist"
		}

Unauthorized request	401: Unauthorized	{
		 "error":"Permission error",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

2.2. User registration

FEATURE: Registration of the user with existing invitation		
URL: PUT /invitations/{invitationCode}		

REQUEST BODY:
{
 "userName": <string>,
 "email": <string>,
 "address": <string>,
 "password": <string>
}		

RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		 "userName": <string>,
		 "roleName": <string>,
		 "pharmacyName": <string>,
		 "email": <string>,
		 "address": <string>,
		 "used":<bool>
		}

Invalid request format	400: Bad Request	{
		 "error": "validationError"
		 "message": "invalid invitation code"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

2.3. Update invitation

FEATURE: Update unused user invitation		
URL: PUT /invitations/{invitationCode}		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Admin		

REQUEST BODY:
{
 "userName": <string>,
 "roleName": <string>,
 "pharmacyName": <string>
}		

RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		 "userName": <string>,
		 "roleName": <string>,
		 "invitationCode": <string>,
		 "pharmacyName": <string>,
		 "used": <bool>
		}

Invalid request format	400: Bad Request	{
		 "error": "validationError"
		 "message": "invalid invitation code"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

2.4. Get all invitations

FEATURE: List all user invitations		
URL: GET /invitations		
QUERY STRINGS: "pharmacyName": \<string> "userName":\<string> "role": \<string> [Admin, Employee, Owner]		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Admin		
RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	[
		  {
		   "userName": \<string>,
		   "roleName": \<string>,
		   "invitationCode": \<string>,
		   "pharmacyName": \<string>,
		   "used": \<bool>
		  }
		]

Invalid request format	400: Bad Request	{
		"error": "validationError",
		"message": "Role doesn't exist"
		}

Unauthorized request	401: Unauthorized	{
		 "error":"Unauthorized",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Pharmacy o User inexistente	404: Not Found	{
		"error": "notFoundError"
		"message": "resource does not exist"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

3. Pharmacies
3.1. Create pharmacy

FEATURE: Create a new pharmacy		
URL: POST /pharmacies		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Admin		

REQUEST BODY:
{
 "name": \<string\>,
 "address": \<string\>
}		

RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		 "id":\<int\>,
		 "name": \<string\>,
		 "address": \<string\>
		}

Invalid request format	400: Bad Request	{
		 "error":"validationError",
		 "message": "Pharmacy name already exists"
		}

Unauthorized request	401: Unauthorized	{
		 "error":"permissionError",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

4. Solicitudes

4.1. Create solicitude

FEATURE: Create new request of medicine stock
URL: POST /solicitudes
HEADER: Authorization:{token}
ROLES AUTORIZADOS: Employee

REQUEST BODY:
{
 "solicitudeItems": [
  {
   "drugCode": <string>,
   "quantity": <int>
  }
 ]
}

RESPONSE	CODE	RESPONSE BODY

OK	200: OK	{
		 "id": <int>,
		 "state": <string>,
		"date":<DateTime>,
		"employee"<string>,
		 "solicitudeItems": [
		  {
		   "drugCode": <string>,
		   "quantity": <int>
		  }
		]
		}

Invalid request format	400: Bad Request	{
		 "error":"validationError",
		 "message": "Incorrect format "
		}

Unauthorized request	401: Unauthorized	{
		 "error":"Unauthorized",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Drug Code erróneo	404: Not Found	{
		"error": "notFoundError"
		"message": "resource does not exist"
		}

Internal server error	500: Internal	{

	Server Error	"error":"InternalServerError", "message": "Internal server error" }

4.2.   Get all solicitudes

FEATURE: List all request of medicine stock of the pharmacy		
URL: GET /solicitudes		
QUERY STRINGS: "dateFrom": <string> ["yyyy-MM-dd"] "dateTo": <string> ["yyyy-MM-dd"] "drugCode": <string> "state": <string> [accepted, rejected, pending]		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Owner, Employee		
RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	[
		  {
		  "id": <int>,
		  "employee": <string>
		  "state": <string>,
		  "Date": <DateTime>,
		  "solicitudeItems": [
		    {
		      "drugCode": <string>,
		      "quantity": <int>
		    }
		  ]
		  }
		]

Invalid request format	400: Bad Request	{
		"error": "validationError",
		"message": "The date from should be before date to"
		}

Unauthorized request	401: Unauthorized	{
		 "error":"Unauthorized",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

4.3. Update solicitude state

FEATURE: Approve or reject a request of medicine stock		
URL: PUT /solicitudes/{solicitudeId}		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Owner		

REQUEST BODY:
{
 "status": <string>
}		

VALUES		
RESPONSE	CODE	RESPONSE BODY

OK	200: OK	{
		  "id": <int>,
		  "employee": <string>
		  "state": <string>,
		  "Date": <DateTime>,
		  "solicitudeItems": [
		    {
		      "drugCode": <string>,
		      "quantity": <int>
		    }
		  ]
		}

Invalid request format	400: Bad Request	{
		 "error":"validationError",
		 "message": "State doesn't exist "
		}

Resource not found	404: Not Found	{
		 "error":"notFoundError",
		 "message": "Solicitude doesn't exist "
		}

Unauthorized request	401: Unauthorized	{
		 "error":"Unauthorized",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

5. Drugs
5.1. Create drug

FEATURE: Create a new medicine

URL: POST /drugs

HEADER: Authorization:{token}

ROLES AUTORIZADOS: Employee

REQUEST BODY:
```
{
 "drugCode": <string>,
 "name":<string>,
 "symptoms": <string>,
 "presentation": <string>,
 "quantityPerPresentation": <float>,
 "measureUnit": <string>,
 "price": <double>,
 "recipieNedeed": <bool>
}
```

RESPONSE	CODE	RESPONSE BODY
OK	200: OK	```{ "id":<Int>, "drugCode": <string>, "name": <string>, "symptoms": <string>, "presentation": <string>, "presentationQuantity": <int>, "measureUnit": <string>, "price": <double>, "needsPrescription": <bool> }```
Invalid request format	400: Bad Request	```{ "error":"validationError", "message": "The drug code already exists in this pharmacy " }```
Unauthorized request	401: Unauthorized	```{ "error":"Unauthorized", "message":"Invalid token" }```
User without enough privileges	403: Forbidden	```{ "error":"Forbidden", "message": "This action is forbidden" }```
Internal server error	500: Internal Server Error	```{ "error":"InternalServerError", "message": "Internal server error" }```

5.2. Delete drug

FEATURE: Delete medicine		
URL: DELETE /drugs/{drugId}		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Employee		
RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		"message": "Se eliminó el medicamento correctamente"
		}

Resource not found	404: Not Found	{
		 "error":"NonExistentDrug",
		 "message": "Drug doesn't exist "
		}

Unauthorized request	401: Unauthorized	{
		 "error":"Unauthorized",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

5.3. Get all drugs

FEATURE: List all medicines of the system		
URL: GET /drugs		
QUERY STRINGS: "drugName": \<string> "withStock":\<bool>		
ROLES AUTORIZADOS: Anonymous		
RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	```[
		  {
		    "id":<Int>,
		    "drugCode": <string>,
		    "stock": <int>,
		    "pharmacy":<string>
		  }
		]```

Internal server error	500: Internal Server Error	```{
		  "error":"InternalServerError",
		  "message": "Internal server error"
		}```

5.4. Get drug

FEATURE: Get a specific medicine		
URL: GET /drugs/{drugId}		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Employee		
RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		"id":<int>,
		"drugCode": <string>,
		"name": <string>,
		"symptoms": <string>,
		"presentation": <string>,
		"presentationQuantity": <int>,
		"measureUnit": <string>,
		"price": <double>,
		"recipieNedeed": <bool>
		}

Resource not found	404: Not Found	{
		"error":"NonExistentDrug",
		"message": "Drug doesn't exist "
		}

Unauthorized request	401: Unauthorized	{
		"error":"Unauthorized",
		"message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		"error":"Forbidden",
		"message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		"error":"InternalServerError",
		"message": "Internal server error"
		}

5.5.   Export drugs

FEATURE: Export all system medicines		
URL: POST /drug-exporters/export		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Employee		

REQUEST BODY:
 {
   "name": \<string>,
   "props": [
       {
          "type": \<string>,
          "key": \<string>,
          "value": \<string>
       }
   ]
 }		

RESPONSE	**CODE**	**RESPONSE BODY**
OK	200: OK	

Unauthorized request	401: Unauthorized	{
		 "error":"Unauthorized",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

5.6.   List drug exporters

FEATURE: List all medicine exporters available		
URL: POST /drug-exporters		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Employee		
RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	`[`
		`  {`
		`    "name": <string>,`
		`    "props": [`
		`        {`
		`            "type": <string>,`
		`            "key": <string>,`
		`            "value": <string>`
		`        }`
		`    ]`
		`  }`
		`]`

Unauthorized request	401: Unauthorized	`{`
		` "error":"Unauthorized",`
		` "message":"Invalid token"`
		`}`

User without enough privileges	403: Forbidden	`{`
		` "error":"Forbidden",`
		` "message": "This action is forbidden"`
		`}`

Internal server error	500: Internal Server Error	`{`
		` "error":"InternalServerError",`
		` "message": "Internal server error"`
		`}`

6. Purchases

6.1. Create purchase

FEATURE: Purchase medicines		
URL: POST /purchases		

REQUEST BODY:
{
 "userEmail": <string>,
 "items": [
  {
   "pharmacyName": <string>,
   "drugCode": <string>,
   "quantity": <int>
  }
 ]
}		

RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		 "id":<int>,
		 "userEmail": <string>,
		 "createdDate": <string>,
		 "price":<double>,
		 "pharmacyName": <string>,
		 "code":<string>,
		 "items": [
		  {
		   "drugCode": <string>,
		   "quantity": <int>,
		   "pharmacyName": <string>,
		   "state": <int>
		  }
		]
		}

Invalid request format	400: Bad Request	{
		 "error":"NonExistentDrug",
		 "message": "Drug doesn't exist "
		}

Unauthorized request	401: Unauthorized	{
		 "error":"permissionError",
		 "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		 "error":"Forbidden",
		 "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}

6.2.   Update purchase state

FEATURE: Approve or reject a purchase

URL: PUT /purchases/{id}

HEADER: Authorization:{token}

ROLES AUTORIZADOS: Employee

REQUEST BODY:
```
{
 "items": [
   {
     "status": <int>,
     "drugCode": <string>
   }
 ]
}
```

RESPONSE	CODE	RESPONSE BODY
OK	200: OK	```{ "id":<int>, "createdDate": <string>, "price":<double>, "items": [{ "drugCode": <string>, "quantity": <int>, "pharmacyName": <string>, "state": <int> }] }```
Invalid request format	400: Bad Request	```{ "error":"NonExistentDrug", "message": "Drug doesn't exist " }```
Unauthorized request	401: Unauthorized	```{ "error":"permissionError", "message":"Invalid token" }```
User without enough privileges	403: Forbidden	```{ "error":"Forbidden", "message": "This action is forbidden" }```
Internal server error	500: Internal Server Error	```{ "error":"InternalServerError", "message": "Internal server error" }```

6.3. Get all purchases

FEATURE: List all purchase fo the pharmacy		
URL: GET /purchases		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Employee		
RESPONSE	**CODE**	**RESPONSE BODY**
OK	200: OK	```[{ "id":<int>, "code":<string>, "userEmail": <string>, "createdDate": <string>, "price":<double> "items": [{ "drugCode": <string>, "quantity": <int>, "pharmacyName": <string>, "state": <int> }] }]```
Unauthorized request	401: Unauthorized	```{ "error":"Unauthorized", "message":"Invalid token" }```
User without enough privileges	403: Forbidden	```{ "error":"Forbidden", "message": "This action is forbidden" }```
Internal server error	500: Internal Server Error	```{ "error":"InternalServerError", "message": "Internal server error" }```

6.4. Generate purchases report

FEATURE: Generate a purchase report		
URL: GET /purchases/report		
QUERY STRINGS: "dateFrom":<string> [yyyy-MM-ddTHH] "dateTo":<string> [yyyy-MM-ddTHH]		
HEADER: Authorization:{token}		
ROLES AUTORIZADOS: Owner		
RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		  "totalAmount":<double>,
		  "dateFrom": <string>,
		  "dateTo": <string>,
		  "purchased-drugs":
		   [
		     {
		        "drugCode": <string>,
		        "quantity": <int>,
		        "amount": <string>,
		     }
		   ]
		}

Unauthorized request	401: Unauthorized	{
		  "error":"Unauthorized",
		  "message":"Invalid token"
		}

User without enough privileges	403: Forbidden	{
		  "error":"Forbidden",
		  "message": "This action is forbidden"
		}

Internal server error	500: Internal Server Error	{
		  "error":"InternalServerError",
		  "message": "Internal server error"
		}

6.5. Get purchases status

FEATURE: Get purchase status		
URL: GET /purchases/{code}		
HEADER:		
ROLES AUTORIZADOS: Owner, Employee		
RESPONSE	**CODE**	**RESPONSE BODY**

OK	200: OK	{
		 "DrugCode": string,
		 "State": string
		}

Invalid request format	400: Bad Request	{
		 "error":"NonExistentPurchase",
		 "message": ""The code doesn't belong to a purchase""
		}

Internal server error	500: Internal Server Error	{
		 "error":"InternalServerError",
		 "message": "Internal server error"
		}