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I. ms-authentication

A. Generate token

Params data	Name	Log user and generate token
	URL	http://localhost:8083/generate-token
	HTTP protocol	POST
	Params type	Body : JSON
	Data	<pre>{ "username" : [String], "password" : [String], "rememberUser" : [Boolean] }</pre>
	Code	200
	Content	<pre>{ "token" : [String], "generateDate" : [Date], "expirationDate" : [Date] }</pre>
	Code	400
	Content	Validation failed for object='login'. Error count: [integer]
	Code	403
Response (Failure)	Content	Username and/or password are incorrect
	Example	<pre>curl --location --request POST 'http://localhost:8081/generate-token' --header 'Content-Type: application/json' --data-raw '{ "username": "username", "password": "password", "rememberUser": true }'</pre>
Response (Success)	Comment	Log user and generate hash token



B. Validate token

		Name	Validate token
		URL	http://localhost:8083/validate-token
		HTTP protocol	GET
	Params data	Params type	Params
		Data	token : [String]
	Response (Success)	Code	200
		Content	OK
	Response (Failure)	Code	400
		Content	Required String parameter 'token' is not present
		Code	403
		Content	Invalid JWT token.
		Example	curl --location --request GET 'http://localhost:8081/validate-token?token=[token]'
		Comment	Check token validity



II. ms-patientadmin

A. Get all patients

		Name	Get all patients from database
		URL	http://localhost:8081/patient/getAll
		HTTP protocol	GET
	Params data	Params type	Header
		Data	token : [String]
	Response (Success)	Code	200
		Content	[{ "id": [Integer], "firstname": [String], "lastname": [String], "sexe": [String], "birthday": [Date], "address": [String], "email": [String], "phone": [String], "country": [String] }, { ... }]
		Code	403
	Response (Failure)	Content	Permission Denied
		Code	404
		Content	No data found
	Example		curl --location --request GET 'http://localhost:8082/patient/getAll' -header 'token: [token]'
	Comment		Token is required in HEADER



B. Get patient by id

		Name	Get patient profile with patient id
		URL	http://localhost:8081/patient/get/{id}
		HTTP protocol	GET
	Params data	Params type	URL param
		Data	id : [Integer]
		Params type	Header
		Data	token : [String]
	Response (Success)	Code	200
		Content	<pre>{ "id": [Integer], "firstname": [String], "lastname": [String], "sexe": [String], "birthday": [Date], "address": [String], "email": [String], "phone": [String], "country": [String] }</pre>
	Response (Failure)	Code	403
		Content	Permission Denied
		Code	404
		Content	Unknown patient with id : {id}
	Example		curl --location --request GET 'http://localhost:8082/patient/get/1' --header 'token: [token]'
	Comment		Token is required in HEADER



C. Search patient

		Name	Search all patients corresponding with search value
		URL	http://localhost:8081/patient/search
		HTTP protocol	GET
	Params data	Params type	Header
		Data	token : [String]
		Params type	Params
		Data	search : [String]
	Response (Success)	Code	200
		Content	[{ "id": [Integer], "firstname": [String], "lastname": [String], "sexe": [String], "birthday": [Date], "address": [String], "email": [String], "phone": [String], "country": [String] }, { ... }]
		Code	403
Response (Failure)		Content	Permission Denied
		Code	404
		Content	No data found
		Example	curl --location --request GET 'http://localhost:8082/patient/search?search=c' --header 'token: [token]'
		Comment	Token is required in HEADER



D. Add Patient with curl command

	Name	Add patient profile with curl command
	URL	http://localhost:8081/patient/create
	HTTP protocol	POST
	Params type	Header
	Data	token : [String]
	Params type	Body : x-www-urlencoded
	Data	<pre>--data-urlencode 'family=[String]' --data-urlencode 'given=[String]' --data-urlencode 'dob=[Date yyyy-MM-dd]' --data-urlencode 'sex=[String]' --data-urlencode 'address=[String]' --data-urlencode 'phone=[String]'</pre>
	Code	201
	Content	<pre>{ "id": [Integer], "firstname": [String], "lastname": [String], "sexe": [String], "birthday": [Date], "address": [String], "email": [String], "phone": [String], "country": [String] }</pre>
	Code	403
Response (Failure)	Content	Permission Denied
	Code	400
	Content	Bad request
	Example	<pre>curl --location --request POST 'http://localhost:8081/patient/add' --header 'token: [token]' --header 'Content-Type: application/x-www-form-urlencoded' -d 'family=TestNone&given=Test&dob=1966-12-31&sex=F&address=1 Brookside St&phone=100-222-3333'</pre>
	Comment	Token is required in HEADER



E. Create patient

	Params data	Name	Create patient profile
		URL	http://localhost:8081/patient/create
		HTTP protocol	POST
		Params type	Header
		Data	token : [String]
		Params type	Body : JSON
		Data	<pre>{ "firstname": [String], "lastname": [String], "sexe": [String], "birthday": [Date], "address": [String], "email": [String], "phone": [String], "country": [String] }</pre>
	Response (Success)	Code	201
		Content	<pre>{ "id": [Integer], "firstname": [String], "lastname": [String], "sexe": [String], "birthday": [Date], "address": [String], "email": [String], "phone": [String], "country": [String] }</pre>
	Response (Failure)	Code	403
		Content	Permission Denied
		Code	400
		Content	Bad request
	Example		<pre>curl --location --request POST 'http://localhost:8082/patient/create' --header 'token: [token]' --data-raw '{ "firstname": "test_firstname", "lastname": "test_lastname", "sexe": "M", "birthday": "2020-01-01", "address": "address", "email": "email", "phone": "phone", "country": "country" }'</pre>
	Comment		Token is required in HEADER



F. Update patient

Params data	Name	Update patient profile
	URL	http://localhost:8081/patient/update
	HTTP protocol	PUT
	Params type	Header
	Data	token : [String]
	Params type	Body : JSON
	Data	<pre>{ "id": [Integer], "firstname": [String], "lastname": [String], "sexe": [String], "birthday": [Date], "address": [String], "email": [String], "phone": [String], "country": [String] }</pre>
	Code	201
	Content	<pre>{ "id": [Integer], "firstname": [String], "lastname": [String], "sexe": [String], "birthday": [Date], "address": [String], "email": [String], "phone": [String], "country": [String] }</pre>
	Code	403
Response (Success)	Content	Permission Denied
	Code	400
	Content	Bad request
	Example	<pre>curl --location --request POST 'http://localhost:8082/patient/update' --header 'token: [token]' --data-raw '{ "id": 1, "firstname": "test_firstname", "lastname": "test_lastname", "sexe": "M", "birthday": "2020-01-01", "address": "address", "email": "email", "phone": "phone", "country": "country" }'</pre>
Response (Failure)	Comment	Token is required in HEADER



G. Delete patient

		Name	Delete patient profile
		URL	http://localhost:8081/patient/delete/{id}
		HTTP protocol	DELETE
	Params data	Params type	URL param
		Data	id : [Integer]
		Params type	Header
		Data	token : [String]
	Response (Success)	Code	200
		Content	OK
	Response (Failure)	Code	403
		Content	Permission Denied
		Code	404
		Content	Unknown patient with id : {id}
		Example	curl --location --request DELETE 'http://localhost:8082/patient/delete/1' --header 'token: [token]'
		Comment	Token is required in HEADER



III. ms-medicalrecord

A. Get all patient medical record

		Name	Get all patient medical records
		URL	http://localhost:8082/medical-record/getAll/{id}
		HTTP protocol	GET
	Params data	Params type	URL param
		Data	id : [Integer]
		Params type	Header
		Data	token : [String]
	Response (Success)	Code	201
		Content	<pre>[{ "id": [String], "patientId": [Integer], "doctorName": [String], "createDate": [LocalDateTime], "lastChangeDate": [LocalDateTime], "content": [String], "active": [String] }, { ... }]</pre>
		Code	403
		Content	Permission Denied
Response (Failure)		Code	204
		Content	Not date Found
	Example	Example	<pre>curl --location --request GET 'http://localhost:8083/medical-record/getAll/1' --header 'token: [token]'</pre>
		Comment	Token is required in HEADER



B. Add medical record with curl command

Params data	Name	Create patient medical record
	URL	http://localhost:8082/patHistory/add
	HTTP protocol	POST
	Params type	Header
	Data	token : [String]
	Params type	Body : x-www-urlencoded
Response (Success)	Data	--data-urlencode 'patId=[Integer]' --data-urlencode 'e=[String]'
	Code	201
	Content	{ "id": [String], "patientId": [Integer], "doctorName": [String], "createDate": [LocalDateTime], "lastChangeDate": [LocalDateTime], "content": [String], "active": [String] }
	Code	403
Response (Failure)	Content	Permission Denied
	Code	404
	Content	Not Found
	Example	curl --location --request POST ' http://localhost:8082/patHistory/add ' --header 'token: [token]' --header 'Content-Type: application/x-www-form-urlencoded' --data-urlencode 'patId=1' --data-urlencode 'e=Patient: TestNone Practitioner\'s notes/recommendations: Patient states that they are feeling terrific'
	Comment	Token is required in HEADER



C. Create medical record

	Name	Create patient medical record
	URL	http://localhost:8082/medical-record/create
	HTTP protocol	POST
	Params type	Header
	Data	token : [String]
	Params type	Body : JSON
	Data	<pre>{ "patientId": [Integer], "doctorName": [String], "content": [String], "active": [String] }</pre>
	Code	201
	Content	<pre>{ "id": [String], "patientId": [Integer], "doctorName": [String], "createDate": [LocalDateTime], "lastChangeDate": [LocalDateTime], "content": [String], "active": [String] }</pre>
	Code	403
Response (Success)	Content	Permission Denied
	Code	404
	Content	Not Found
	Content	Not Found
Response (Failure)	Code	404
	Content	Not Found
	Example	<pre>curl --location --request POST 'http://localhost:8083/medical-record/create' --header 'token: [token]' --header 'Content-Type: application/json' --data-raw '{ "patientId": 1, "doctorName": "Dr. Doc", "content": "content", "active": true }'</pre>
	Comment	Token is required in HEADER



D. Update medical record

		Name	Update patient medical record
		URL	http://localhost:8082/medical-record/update
		HTTP protocol	PUT
	Params data	Params type	Header
		Data	<code>token : [String]</code>
		Params type	Body : JSON
		Data	<pre>{ "id": [String], "patientId": [Integer], "active": [String] }</pre>
	Response (Success)	Code	201
		Content	<pre>{ "id": [String], "patientId": [Integer], "doctorName": [String], "createDate": [LocalDateTime], "lastChangeDate": [LocalDateTime], "content": [String], "active": [String] }</pre>
	Response (Failure)	Code	403
		Content	Permission Denied
		Code	404
		Content	Unknown medical record with id : {id}
	Example		<pre>curl --location --request POST 'http://localhost:8083/ medical-record/update' --header 'token: [token]' --header 'Content-Type: application/json' --data-raw '{ "id": "5ffb399c57b9e94b6053c8ac", "patientId": 1, "active": false }'</pre>
	Comment		Token is required in HEADER



IV. ms-medicalreport

A. Generate patient report

	Name	Get all patient medical records
	URL	http://localhost:8080/medical-report/generate-report/{id}
	HTTP protocol	GET
	Params type	URL param
Params data	Data	id : [Integer]
	Params type	Header
	Data	token : [String]
	Code	200
Response (Success)	Content	{ "patientId": [Integer], "date": [DateTime], "content": [String], "result": [String] }
	Code	403
Response (Failure)	Content	Permission Denied
	Code	404
	Content	Not Found
	Example	curl --location --request GET 'http://localhost:8080/medical-report/generate-report/1' --header 'token: [token]'
	Comment	Token is required in HEADER



B. Generate patient report with id and curl command

Params data	Name	Get all patient medical records
	URL	http://localhost:8080/assess/id
	HTTP protocol	POST
	Params type	Header
	Data	token : [String]
	Params type	Body : x-www-urlencoded
Response (Success)	Data	--data-urlencode 'patId=[String]'
	Code	200
	Content	{ "patientId": [Integer], "date": [DateTime], "content": [String], "result": [String] }
	Code	403
	Content	Permission Denied
	Code	404
Response (Failure)	Content	Not Found
	Example	curl --location --request POST ' http://localhost:8080/assess/id ' --header 'token: [token]' --header 'Content-Type: application/x-www-form-urlencoded' --data-urlencode 'patId=1'
	Comment	Token is required in HEADER



C. Generate patient report with family name and curl command

Params data	Name	Get all patient medical records
	URL	http://localhost:8080/assess/familyName
	HTTP protocol	POST
	Params type	Header
	Data	token : [String]
	Params type	Body : x-www-urlencoded
Response (Success)	Data	--data-urlencode 'familyName=[String]'
	Code	200
	Content	{ "patientId": [Integer], "date": [DateTime], "content": [String], "result": [String] }
	Code	403
	Content	Permission Denied
	Code	404
Response (Failure)	Content	Not Found
	Example	curl --location --request POST ' http://localhost:8080/assess/familyName ' --header 'token: [token]' --header 'Content-Type: application/x-www-form-urlencoded' --data-urlencode 'familyName=TestNone'
	Comment	Token is required in HEADER

