

# FIAP - CHALLENGE SOFTTEK - SPRINT 2

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## PROJETO SOFTCARE

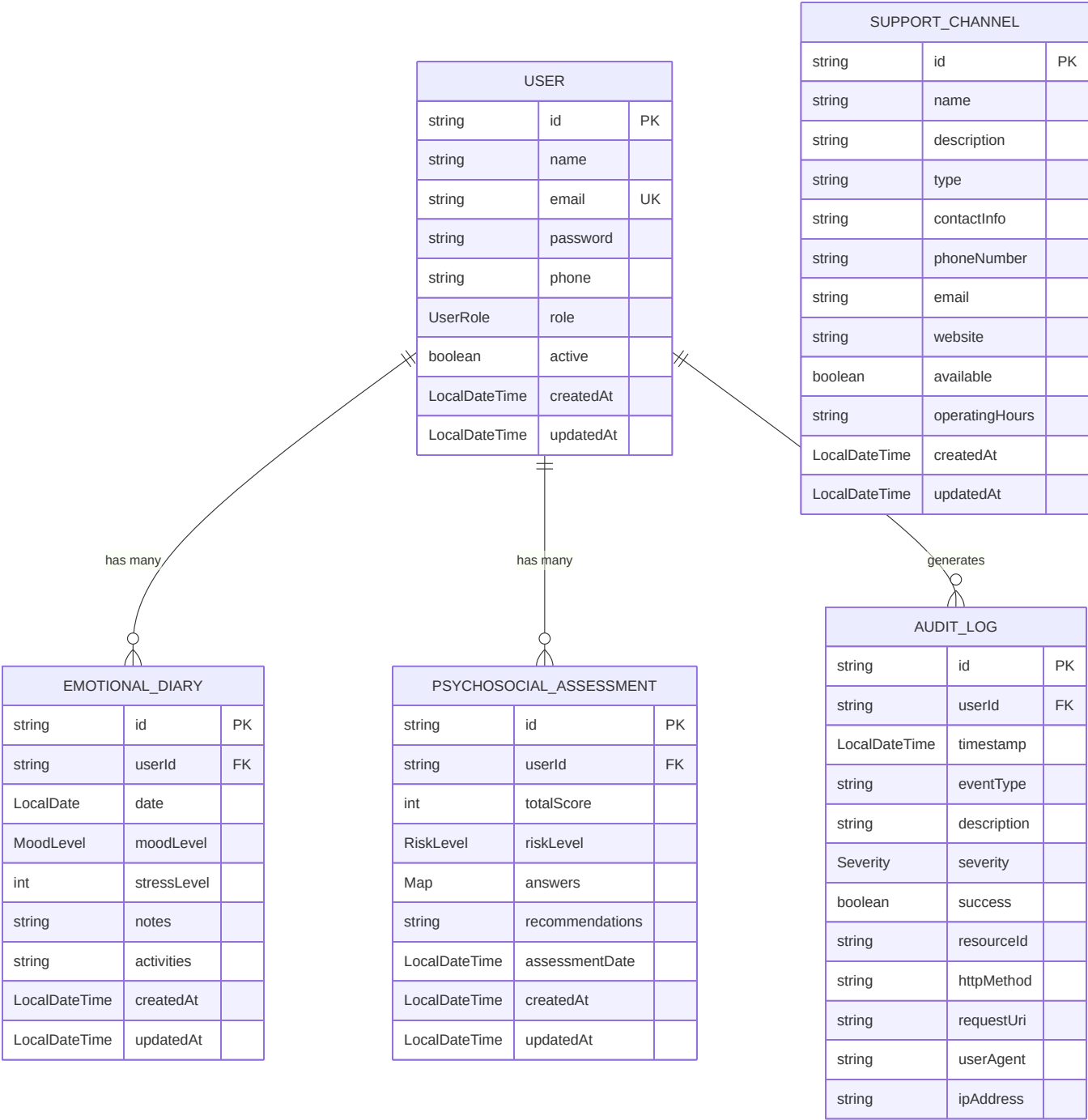
Integrantes:

- Thiago Henrique Assi - RM 555570

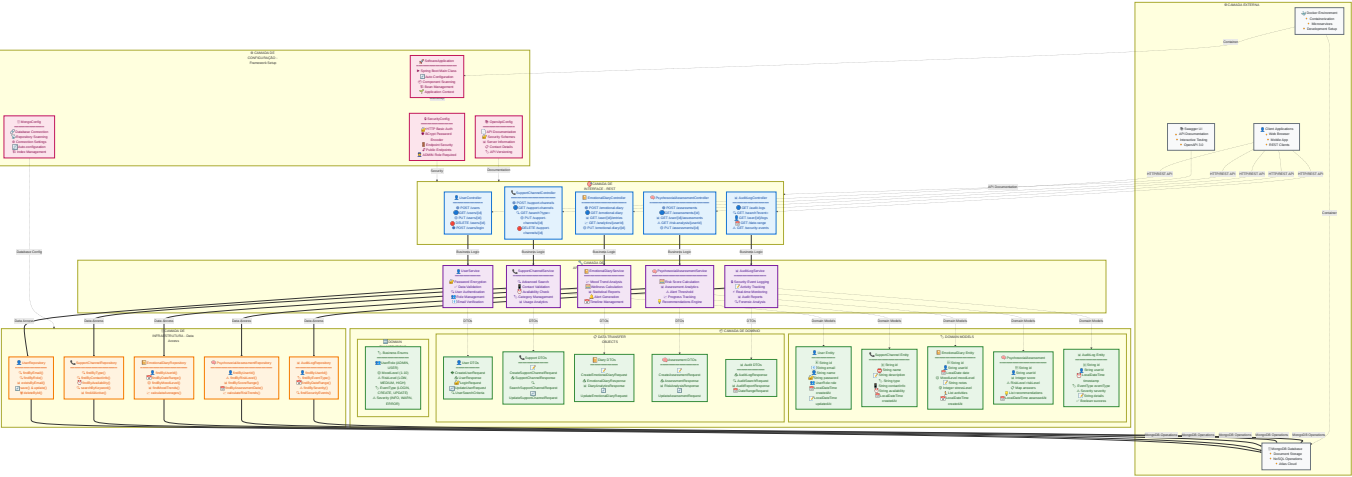
## DIAGRAMAS DE ARQUITETURA DO BACKEND

**SoftCare** é uma solução completa para oferecer suporte psicossocial e promover o bem-estar emocional dos colaboradores, desenvolvida com Spring Boot 3.5.6 e MongoDB.

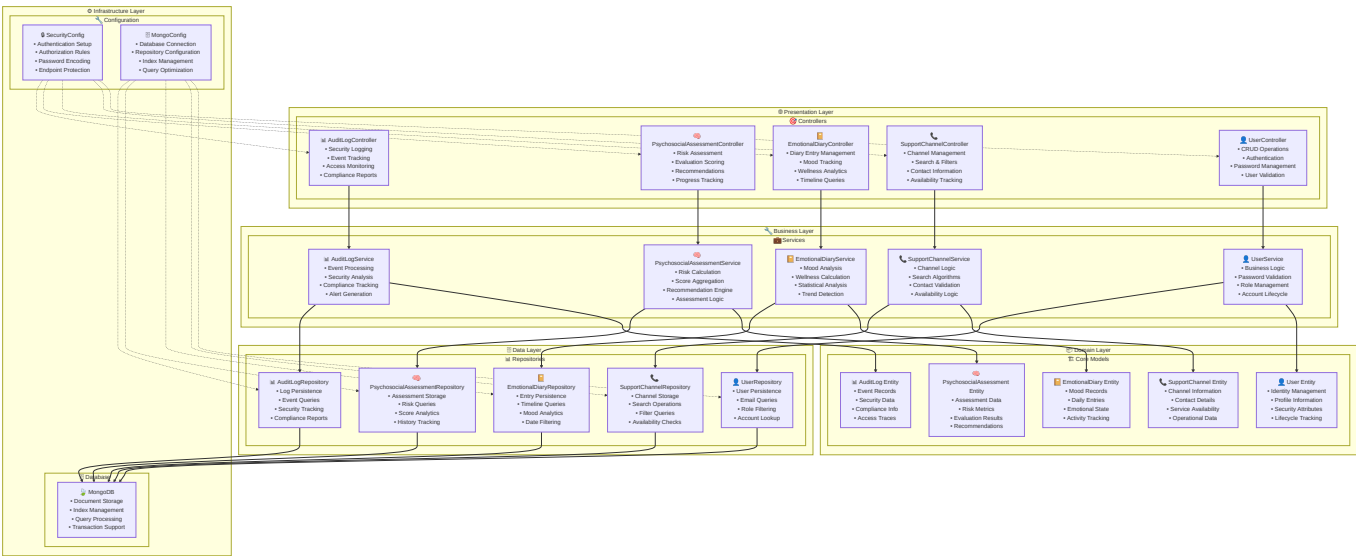
Estrutura de Dados



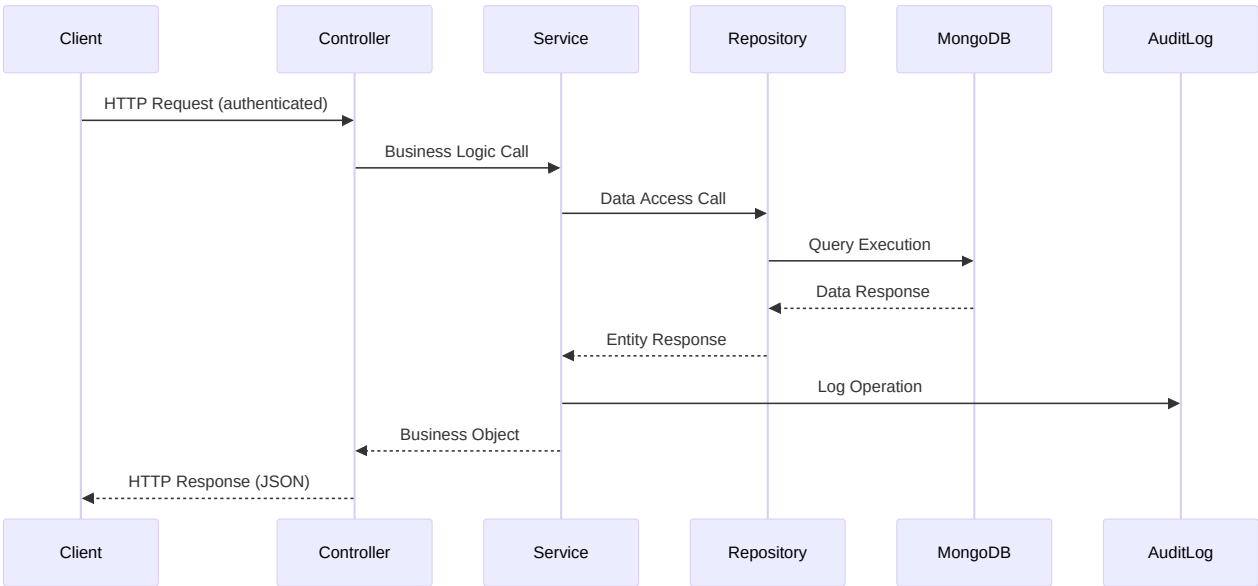
Arquitetura Hexagonal



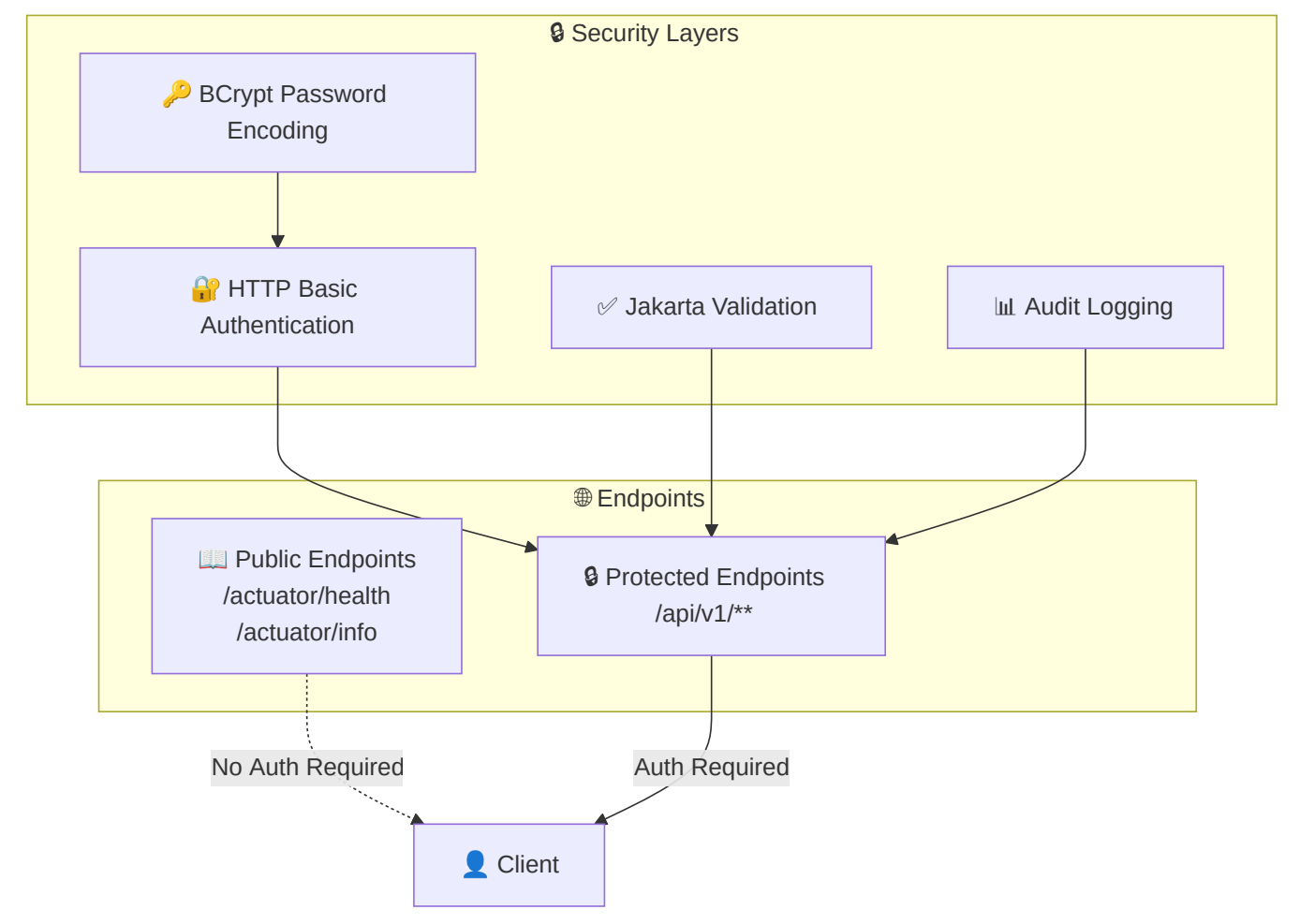
Responsabilidades por Camada



Fluxo de Dados



Camadas de Segurança



Endpoints

Available authorizations

HTTPBasicAuthentication (HTTP, basic)

HTTP Basic Authentication. Use: admin / admin123

Usuários

API para gerenciamento de usuários do sistema SoftCare

[GET] /api/v1/users/{id}

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Responses

Code	Description	Schema
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Code	Description	Schema
200	OK	<a href="#">/: UserResponse</a>

Security

Security Schema	Scopes
HTTPBasicAuthentication	

[PUT] /api/v1/users/{id}

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Request Body

Required	Schema
Yes	<b>application/json:</b> <a href="#">CreateUserRequest</a>

Responses

Code	Description	Schema
200	OK	<a href="#">/: UserResponse</a>

Security

Security Schema	Scopes
HTTPBasicAuthentication	

[DELETE] /api/v1/users/{id}

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Responses

Code	Description
200	OK

Security

Security Schema	Scopes
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HTTPBasicAuthentication

[GET] /api/v1/users

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">UserResponse</a> ]

Security

Security Schema	Scopes
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HTTPBasicAuthentication

[POST] /api/v1/users

Criar novo usuário

Cria um novo usuário no sistema SoftCare. Este endpoint não requer autenticação.

Request Body

Required	Schema
Yes	application/json: <a href="#">CreateUserRequest</a>

Responses

Code	Description	Schema
201	Usuário criado com sucesso	/: <a href="#">UserResponse</a>
400	Dados inválidos fornecidos	
409	Email já está em uso	

Security

Security Schema	Scopes
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HTTPBasicAuthentication

[POST] /api/v1/users/{id}/change-password

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Request Body

Required	Schema
Yes	<b>application/json:</b> <a href="#">ChangePasswordRequest</a>

Responses

Code	Description	Schema
200	OK	<b>/:</b> string

Security

Security Schema	Scopes
HTTPBasicAuthentication	

[POST] /api/v1/users/login

Request Body

Required	Schema
Yes	<b>application/json:</b> <a href="#">LoginRequest</a>

Responses

Code	Description	Schema
200	OK	<b>/:</b> string

Security

Security Schema	Scopes
HTTPBasicAuthentication	

[GET] /api/v1/users/email/{email}

Parameters

Name	Located in	Description	Required	Schema
email	path		Yes	string

Responses

Code	Description	Schema
200	OK	<a href="#">/: UserResponse</a>

Security

Security Schema	Scopes
HTTPBasicAuthentication	

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Support Channels

[GET] /api/v1/support-channels/{id}

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Responses

Code	Description	Schema
200	OK	<a href="#">/: SupportChannel</a>

[PUT] /api/v1/support-channels/{id}

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Request Body

Required	Schema
Yes	<a href="#">application/json: SupportChannel</a>

Responses

Code	Description	Schema
200	OK	<a href="#">/: SupportChannel</a>

[DELETE] /api/v1/support-channels/{id}



Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Responses

Code	Description
200	OK

[GET] /api/v1/support-channels

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">SupportChannel</a> ]

[POST] /api/v1/support-channels

Request Body

Required	Schema
Yes	application/json: <a href="#">SupportChannel</a>

Responses

Code	Description	Schema
200	OK	/: <a href="#">SupportChannel</a>

[POST] /api/v1/support-channels/{id}/access

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string
userId	query		Yes	string

Responses

Code	Description	Schema
200	OK	/: string

[GET] /api/v1/support-channels/with-website

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">SupportChannel</a> ]

[GET] /api/v1/support-channels/with-phone

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">SupportChannel</a> ]

[GET] /api/v1/support-channels/with-email

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">SupportChannel</a> ]

[GET] /api/v1/support-channels/search/name

Parameters

Name	Located in	Description	Required	Schema
name	query		Yes	string

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">SupportChannel</a> ]

[GET] /api/v1/support-channels/search/description

Parameters

Name	Located in	Description	Required	Schema
text	query		Yes	string

Responses

Code	Description	Schema
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Code	Description	Schema
200	OK	<a href="#">/: [SupportChannel]</a>

## Psychosocial Assessments

[GET] /api/v1/psychosocial-assessments/{id}

### Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

### Responses

Code	Description	Schema
200	OK	<a href="#">/: PsychosocialAssessment</a>

[PUT] /api/v1/psychosocial-assessments/{id}

### Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

### Request Body

Required	Schema
Yes	<a href="#">application/json: CreatePsychosocialAssessmentRequest</a>

### Responses

Code	Description	Schema
200	OK	<a href="#">/: PsychosocialAssessment</a>

[DELETE] /api/v1/psychosocial-assessments/{id}

### Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

### Responses

Code	Description
200	OK

[POST] /api/v1/psychosocial-assessments

Request Body

Required	Schema
Yes	<b>application/json:</b> <a href="#">CreatePsychosocialAssessmentRequest</a>

Responses

Code	Description	Schema
200	OK	<a href="#">/: PsychosocialAssessment</a>

[GET] /api/v1/psychosocial-assessments/user/{userId}

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string

Responses

Code	Description	Schema
200	OK	<a href="#">/: [ PsychosocialAssessment ]</a>

[GET] /api/v1/psychosocial-assessments/user/{userId}/latest

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string

Responses

Code	Description	Schema
200	OK	<a href="#">/: PsychosocialAssessment</a>

[GET] /api/v1/psychosocial-assessments/risk-level/{riskLevel}

Parameters

Name	Located in	Description	Required	Schema
riskLevel	path		Yes	string, <b>Available values:</b> "LOW", "MODERATE", "HIGH", "CRITICAL"

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">PsychosocialAssessment</a> ]

[GET] /api/v1/psychosocial-assessments/high-risk

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">PsychosocialAssessment</a> ]

[GET] /api/v1/psychosocial-assessments/date-range

Parameters

Name	Located in	Description	Required	Schema
startDate	query		Yes	dateTime
endDate	query		Yes	dateTime

Responses

Code	Description	Schema
200	OK	/: [ <a href="#">PsychosocialAssessment</a> ]

Emotional Diary

[GET] /api/v1/emotional-diary/{id}

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Responses

Code	Description	Schema
200	OK	<a href="#">/: EmotionalDiary</a>

[PUT] /api/v1/emotional-diary/{id}

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Request Body

Required	Schema
Yes	<b>application/json:</b> <a href="#">CreateEmotionalDiaryRequest</a>

Responses

Code	Description	Schema
200	OK	<a href="#">/: EmotionalDiary</a>

[DELETE] /api/v1/emotional-diary/{id}

Parameters

Name	Located in	Description	Required	Schema
id	path		Yes	string

Responses

Code	Description
200	OK

[POST] /api/v1/emotional-diary

Request Body

Required	Schema
Yes	<b>application/json:</b> <a href="#">CreateEmotionalDiaryRequest</a>

Responses

Code	Description	Schema
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Code	Description	Schema
200	OK	<a href="#">/: EmotionalDiary</a>

[GET] /api/v1/emotional-diary/user/{userId}

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string

Responses

Code	Description	Schema
200	OK	<a href="#">/: [ EmotionalDiary ]</a>

[GET] /api/v1/emotional-diary/user/{userId}/today

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string

Responses

Code	Description	Schema
200	OK	<a href="#">/: boolean</a>

[GET] /api/v1/emotional-diary/user/{userId}/range

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string
startDate	query		Yes	date
endDate	query		Yes	date

Responses

Code	Description	Schema
200	OK	<a href="#">/: [ EmotionalDiary ]</a>

[GET] /api/v1/emotional-diary/user/{userId}/latest

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string

Responses

Code	Description	Schema
200	OK	<a href="#">/: EmotionalDiary</a>

[GET] /api/v1/emotional-diary/user/{userId}/date/{date}

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string
date	path		Yes	date

Responses

Code	Description	Schema
200	OK	<a href="#">/: EmotionalDiary</a>

[GET] /api/v1/emotional-diary/user/{userId}/average-wellness

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string
startDate	query		Yes	date
endDate	query		Yes	date

Responses

Code	Description	Schema
200	OK	<a href="#">/: double</a>

[GET] /api/v1/emotional-diary/low-mood

Responses



Code	Description	Schema
200	OK	/: [ EmotionalDiary ]

[GET] /api/v1/emotional-diary/high-stress

Responses

Code	Description	Schema
200	OK	/: [ EmotionalDiary ]

## Audit Logs

[GET] /api/v1/audit-logs/user/{userId}

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string

Responses

Code	Description	Schema
200	OK	/: [ AuditLog ]

[GET] /api/v1/audit-logs/user/{userId}/recent

Parameters

Name	Located in	Description	Required	Schema
userId	path		Yes	string

Responses

Code	Description	Schema
200	OK	/: [ AuditLog ]

[GET] /api/v1/audit-logs/failed

Responses

Code	Description	Schema
200	OK	/: [ AuditLog ]

[GET] /api/v1/audit-logs/event-type/{eventType}

Parameters

Name	Located in	Description	Required	Schema
eventType	path		Yes	string

Responses

Code	Description	Schema
200	OK	/: [ AuditLog ]

[GET] /api/v1/audit-logs/critical

Responses

Code	Description	Schema
200	OK	/: [ AuditLog ]

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## Actuator

Monitor and interact [Spring Boot Actuator Web API Documentation](#)

[GET] /actuator

Actuator root web endpoint

Responses

Code	Description	Schema
200	OK	<b>application/vnd.spring-boot.actuator.v3+json:</b> object <b>application/json:</b> object <b>application/vnd.spring-boot.actuator.v2+json:</b> object

[GET] /actuator/health

Actuator web endpoint 'health'

Responses

Code	Description	Schema
200	OK	<b>application/vnd.spring-boot.actuator.v3+json:</b> object <b>application/json:</b> object <b>application/vnd.spring-boot.actuator.v2+json:</b> object

[GET] /actuator/health/\*\*

Actuator web endpoint 'health-path'

Responses

Code	Description	Schema
200	OK	<b>application/vnd.spring-boot.actuator.v3+json:</b> object <b>application/json:</b> object <b>application/vnd.spring-boot.actuator.v2+json:</b> object

Schemas

CreateUserRequest

Dados do usuário a ser criado

Name	Type	Description	Required
name	string		Yes
email	string		Yes
password	string		Yes
role	string, <b>Available values:</b> "EMPLOYEE", "MANAGER", "SYSTEM_ADMIN"	<i>Enum:</i> "EMPLOYEE", "MANAGER", "SYSTEM_ADMIN"	Yes

UserResponse

Name	Type	Description	Required
id	string		No
name	string		No
email	string		No
role	string, <b>Available values:</b> "EMPLOYEE", "MANAGER", "SYSTEM_ADMIN"	<i>Enum:</i> "EMPLOYEE", "MANAGER", "SYSTEM_ADMIN"	No
createdAt	dateTime		No
updatedAt	dateTime		No

SupportChannel

Name	Type	Description	Required
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Name	Type	Description	Required
id	string		No
name	string		Yes
description	string		Yes
phoneNumber	string		No
email	string		No
website	string		No
createdAt	dateTime		No
updatedAt	dateTime		No

CreatePsychosocialAssessmentRequest

Name	Type	Description	Required
userId	string		Yes
workStressLevel	integer		No
workLifeBalance	integer		No
jobSatisfaction	integer		No
relationshipWithColleagues	integer		No
personalWellbeing	integer		No

PsychosocialAssessment

Name	Type	Description	Required
id	string		No
userId	string		Yes
workStressLevel	integer		No
workLifeBalance	integer		No
jobSatisfaction	integer		No
relationshipWithColleagues	integer		No
personalWellbeing	integer		No
overallScore	double		No

Name	Type	Description	Required
riskLevel	string, <b>Available values:</b> "LOW", "MODERATE", "HIGH", "CRITICAL"	<i>Enum:</i> "LOW", "MODERATE", "HIGH", "CRITICAL"	No
isComplete	boolean		No
createdAt	dateTime		No
updatedAt	dateTime		No

CreateEmotionalDiaryRequest

Name	Type	Description	Required
userId	string		Yes
entryDate	date		Yes
moodLevel	string, <b>Available values:</b> "VERY_LOW", "LOW", "NEUTRAL", "GOOD", "VERY_GOOD"	<i>Enum:</i> "VERY_LOW", "LOW", "NEUTRAL", "GOOD", "VERY_GOOD"	Yes
energyLevel	integer		No
stressLevel	integer		No
sleepQuality	integer		No

EmotionalDiary

Name	Type	Description	Required
id	string		No
userId	string		Yes
entryDate	date		Yes
moodLevel	string, <b>Available values:</b> "VERY_LOW", "LOW", "NEUTRAL", "GOOD", "VERY_GOOD"	<i>Enum:</i> "VERY_LOW", "LOW", "NEUTRAL", "GOOD", "VERY_GOOD"	Yes
energyLevel	integer		No
stressLevel	integer		No
sleepQuality	integer		No
createdAt	dateTime		No

Name	Type	Description	Required
updatedAt	dateTime		No

ChangePasswordRequest

Name	Type	Description	Required
oldPassword	string		No
newPassword	string		No

LoginRequest

Name	Type	Description	Required
email	string		Yes
password	string		Yes

AuditLog

Name	Type	Description	Required
id	string		No
eventType	string		Yes
description	string		Yes
userId	string		No
userEmail	string		No
httpMethod	string		No
requestUrl	string		No
ipAddress	string		No
severity	string		No
resourceId	string		No
success	boolean		No
errorMessage	string		No
timestamp	dateTime		Yes

Link

Name	Type	Description	Required
href	string		No

Name	Type	Description	Required
templated	boolean		No