

BE services	Requests	Responses
Gestão de Autenticação	GET /users/{user_id} "/users/{user_id}": { "get": { "tags": ["user management"], "summary": "Retrieve user details", "parameters": [{ "name": "user_id", "in": "path", "required": true, "schema": { "type": "integer" } }, "description": "User ID"] } }	GET /users/{user_id} "responses": { "200": { "description": "User details retrieved successfully", "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/User" } } }, "404": { "description": "User not found" } }
	POST /users/register "/users/register": { "post": { "tags": ["authentication"], "summary": "Register a new user", "requestBody": { "description": "User object to be added", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/User" } } } } } }	POST /users/register "responses": { "201": { "description": "User registered successfully" }, "400": { "description": "Bad request, missing fields or validation error" } }
	POST /users/login "/users/login": { "post": { "tags": ["authentication"], "summary": "Login a user", "requestBody": { "description": "User credentials", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/UserCredentials" } } } } } }	POST /users/login "responses": { "200": { "description": "User logged in successfully" }, "401": { "description": "Unauthorized, credentials incorrect" } }

<pre> } } } } PUT /users/{user_id} "/users/{user_id}": { "put": { "tags": ["user management"], "summary": "Update user details", "parameters": [{ "name": "user_id", "in": "path", "required": true, "schema": { "type": "integer" } }], "requestBody": { "description": "User object that needs to be updated", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/User" } } } } } } DELETE /users/{user_id} "/users/{user_id}": { "delete": { "tags": ["user management"], "summary": "Delete a user", "parameters": [{ "name": "user_id", "in": "path", "required": true, "schema": { "type": "integer" } }], } }</pre>	<pre>PUT /users/{user_id} "responses": { "200": { "description": "User updated successfully" }, "404": { "description": "User not found" } } DELETE /users/{user_id} "responses": { "204": { "description": "User deleted successfully" }, "404": { "description": "User not found" } }</pre>
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<p>Catálogo de Produtos</p>	<p>GET /products</p> <pre>"/products": { "get": { "tags": ["product"], "summary": "Retrieve all products", "responses": { "200": { "description": "List of products", "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/ProductList" } } } } } } }</pre> <p>GET /products/{product_id}</p> <pre>"/products/{product_id}": { "get": { "tags": ["product"], "summary": "Retrieve a specific product by ID", "parameters": [{ "name": "id", "in": "path", "required": true, "schema": { "type": "integer" }, "description": "Product ID" }], } }</pre> <p>POST/products</p> <pre>"/products": { "post": { "tags": ["product management"], "summary": "Add a new product", "requestBody": { "description": "Product to be added", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/Product" </pre>	<p>GET /products</p>
	<p>GET /products/{product_id}</p> <pre>"responses": { "200": { "description": "Detailed product info", "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/Product" } } }, }, "404": { "description": "Product not found" } }</pre>	<p>GET /products/{product_id}</p>
	<p>POST/products</p> <pre>"responses": { "201": { "description": "Product added successfully" } }</pre>	<p>POST/products</p>

<pre> } } } }, } } } PUT /products/{product_id} "/products/{product_id}": { "put": { "tags": ["product management"], "summary": "Update an existing product", "parameters": [{ "name": "product_id", "in": "path", "required": true, "schema": { "type": "integer" } }], "requestBody": { "description": "Product data that needs to be updated", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/Product" } } } }, } } DELETE /products/{product_id} "/products/{product_id}": { "delete": { "tags": ["product management"], "summary": "Delete a product", "parameters": [{ "name": "product_id", "in": "path", "required": true, "schema": { "type": "integer" } }], } }</pre>	<pre>PUT /products/{product_id} "responses": { "200": { "description": "Product updated successfully" }, "404": { "description": "Product not found" } } DELETE /products/{product_id} "responses": { "204": { "description": "Product deleted successfully" }, "404": { "description": "Product not found" } }</pre>
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Gestão de Favoritos	GET /users/{user_id}/favorites "/users/{user_id}/favorites": { "get": { "tags": ["favorites management"], "summary": "List all favorite products for a user", "parameters": [{ "name": "user_id", "in": "path", "required": true, "schema": { "type": "integer" } }], } } POST /users/{user_id}/favorites "/users/{user_id}/favorites": { "post": { "tags": ["favorites management"], "summary": "Add a product to user favorites", "parameters": [{ "name": "user_id", "in": "path", "required": true, "schema": { "type": "integer" } }], "requestBody": { "description": "Product ID to add to favorites", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/Product" } } } } } }	GET /users/{user_id}/favorites "responses": { "200": { "description": "List of favorite products", "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/FavoritesList" } } } } } POST /users/{user_id}/favorites "responses": { "201": { "description": "Product added to favorites" } }

	DELETE /users/{user_id}/favorites/{product_id} "/users/{user_id}/favorites/{product_id}": { "delete": { "tags": ["favorites management"], "summary": "Remove a product from user favorites", "parameters": [{ "name": "user_id", "in": "path", "required": true, "schema": { "type": "integer" } }, { "name": "product_id", "in": "path", "required": true, "schema": { "type": "integer" } }], } }	DELETE /users/{user_id}/favorites/{product_id} "responses": { "204": { "description": "Product removed from favorites" } }
Feedback	GET /feedback/{feedback_id} "/feedback/{feedback_id}": { "get": { "tags": ["feedback management"], "summary": "Retrieve all feedback", "parameters": [{ "name": "feedback_id", "in": "path", "required": true, "schema": { "type": "integer" } }], } }	GET /feedback/{feedback_id} "responses": { "200": { "description": "List of all feedback entries", "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/FeedbackList" } } } } } POST /feedback/{feedback_id} "responses": { "201": { "description": "Feedback submitted successfully" } }

	<p>POST /feedback/{feedback_id}</p> <pre> /feedback/{feedback_id}: { "post": { "tags": ["feedback management"], "summary": "Submit new feedback", "parameters": [{ "name": " feedback_id", "in": "path", "required": true, "schema": { "type": "integer" } }], "requestBody": { "description": "Feedback ID to add to feedback", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/Product" } } } } } } </pre> <p>DELETE /feedback /{feedback_id}</p> <pre> "/feedback/{feedback_id}: { "delete": { "tags": ["feedback management"], "summary": "Delete feedback", "parameters": [{ "name": "feedback_id", "in": "path", "required": true, "schema": { "type": "integer" } }] } } </pre>	<p>DELETE / feedback /{feedback_id}</p> <pre> "responses": { "204": { "description": "Feedback deleted successfully" } } </pre>
Notícias e Atualizações	<p>GET /news</p> <pre> "/news": { "get": { "tags": ["news management"], "summary": "Retrieve all news" } } </pre>	<p>GET /news</p> <pre> "responses": { "200": { "description": "List of all news articles", "content": { "application/json": { </pre>

	<pre> } POST /news "/news": { "post": { "tags": ["news management"], "summary": "Submit a new news article", "requestBody": { "description": "News data to be added", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/News" } } } } } } DELETE /news /{news_id} "/news/{news_id}": { "delete": { "tags": ["news management"], "summary": "Delete a news article", "parameters": [{ "name": "news_id", "in": "path", "required": true, "schema": { "type": "integer" } }] } } </pre>	<pre> "schema": { "\$ref": "#/components/schemas/NewsList" } } } } } POST /news "responses": { "201": { "description": "News article submitted successfully" } } DELETE /news /{ news_id} "responses": { "204": { "description": "News article deleted successfully" } } </pre>
Análise de Estatísticas	<pre> GET /statistics "/statistics": { "get": { "tags": ["statistics management"], "summary": "Retrieve all statistics", } } </pre>	<pre> GET /statistics "responses": { "200": { "description": "List of all statistics data", "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/Statistics" } } } } } </pre>

	POST /statistics "/statistics": { "post": { "tags": ["statistics management"], "summary": "Submit new statistics data", "requestBody": { "description": "Statistics data to be added", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/Statistics" } } } } } }	} } } POST /statistics "responses": { "201": { "description": "Statistics data submitted successfully" } }
Destaques de Produtos	GET /highlights "/highlights": { "get": { "tags": ["highlights management"], "summary": "Retrieve all highlighted products" } } } POST /highlights "/highlights": { "post": { "tags": ["highlights management"], "summary": "Add a product to highlights", "requestBody": { "description": "Product data to be highlighted", "required": true, "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/Product" } } } } } }	GET /highlights "responses": { "200": { "description": "List of all highlighted products", "content": { "application/json": { "schema": { "\$ref": "#/components/schemas/HighlightsList" } } } } } POST /highlights "responses": { "201": { "description": "Product added to highlights successfully" } }

	DELETE /highlights/{product_id} "/highlights/{product_id}": { "delete": { "tags": ["highlights management"], "summary": "Remove a product from highlights", "parameters": [{ "name": "product_id", "in": "path", "required": true, "schema": { "type": "integer" } }] } }	DELETE /highlights/{product_id} "responses": { "204": { "description": "Product removed from highlights successfully" } }
Auth	GET /authentication/{auth_key} "/authentication/{auth_key}": { "get": { "tags": ["Authentication"], "summary": "Validate auth token", "parameters": [{ "name": "auth_key", "in": "path", "required": true, "schema": { "type": "string" } }] } } } POST /authentication "/authentication": { "post": { "tags": ["Authentication"], "summary": "User login", "requestBody": { "description": "User login credentials", "required": true, "content": { "application/json": { "schema": { "type": "object", 	GET /authentication/{auth_key} "responses": { "200": { "description": "Token is valid", "content": { "application/json": { "schema": { "type": "object", "properties": { "auth_valid": { "type": "boolean" } } } } } } } POST /authentication "responses": { "200": { "description": "Authentication successful", "content": { "application/json": { "schema": { "type": "object", "properties": { "auth_key": { "type": "string"

	<pre>"properties": { "username": { "type": "string" }, "password": { "type": "string" } } }</pre> <p>PUT /authentication/{auth_key} "/authentication/{auth_key}": { "put": { "tags": ["Authentication"], "summary": "Update password", "parameters": [{ "name": "auth_key", "in": "path", "required": true, "schema": { "type": "string" } }], "requestBody": { "description": "New password", "required": true, "content": { "application/json": { "schema": { "type": "object", "properties": { "password": { "type": "string" } } } } } } } }</p>	<pre>} } } } }</pre> <p>PUT /authentication/{auth_key} responses: '200': description: Password updated successfully content: application/json: schema: type: object properties: auth_token: type: string</p>
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	DELETE /authentication/{auth_key} "/authentication/{auth_key}": { "delete": { "tags": ["Authentication"], "summary": "Delete authentication", "parameters": [{ "name": "auth_key", "in": "path", "required": true, "schema": { "type": "string" } }], } }	DELETE /authentication/{auth_key} "responses": { "204": { "description": "Authentication deleted successfully" } }
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