FISH HUB
WEB API
DOCUMENTATION

INTRODUCTION

This document serves as the official documentation for the FISH HUB API. Here, you will find a comprehensive list of the currently available methods, along with their descriptions and usage details.

INDEX

GET

Get User ID

URL: FishAPI/getUserID?token={token}&id={id}

Description: Gets the user information by user ID if the token is valid.

Parameter	Type	Required	Description
id	Int	true	User ID
token	String	true	Authentication token

Response

Code: 200 OK
Description: Returns user information.

Key	Type	Description
id_usuario	Int	User ID
nombreUsuario	String	username
foto	String	Avatar photo (URL/Base64)
id_avatar	Int	ID of the associated avatar

Code: 204 NO CONTENT
Description: The user does not exist.

Code: 401 UNAUTHORIZED
Description: Invalid token.

Get Avatars (default avatars)

URL: FishAPI/getAvatares?token={token}

Description: Gets the list of default avatars if the token is valid.

Parameter	Type	Required	Description
token	String	true	Authentication token

Response

Code: 200 OK
Description: Returns a list of avatars.

Key	Type	Description
results	List<Avatar>	List of available default avatars

Code: 204 NO CONTENT
Description: No avatars are available.

Code: 401 UNAUTHORIZED
Description: Invalid token.

Get Families

URL: FishAPI/getFamilias?token={token}

Description: Gets the list of fish families if the token is valid.

Parameter	Type	Required	Description
token	String	true	Authentication token

Response

Code: 200 OK

Description: Returns a list of fish families.

Key	Type	Description
results	List<Familia>	List of fish families

Code: 204 NO CONTENT

Description: There are no fish families registered.

Code: 401 UNAUTHORIZED

Description: Invalid token.

Get Locations

URL: FishAPI/getLocalizaciones?token={token}

Description: Gets the list of available locations if the token is valid.

Parameter	Type	Required	Description
token	String	true	Authentication token

Response

Code: 200 OK
Description: Devuelve una lista de localizaciones.

Key	Type	Description
results	List<Localizacion>	Returns a list of locations.

Code: 204 NO CONTENT
Description: No locations available.

Code: 401 UNAUTHORIZED
Description: Invalid token.

Get Water Types

URL: FishAPI/getTiposAgua?token={token}

Description: Gets the list of available water types if the token is valid.

Parameter	Type	Required	Description
token	String	true	Authentication token

Response

Code: 200 OK

Description: Returns a list of water types.

Key	Type	Description
results	List<TipoDeAgua>	Lista de tipos de agua

Code: 204 NO CONTENT

Description: No types of water are available.

Code: 401 UNAUTHORIZED

Description: Invalid token.

Get Marine Animals

URL:
FishAPI/animalesMarinos?token={token}&nombre={nombre}&familia={familiaID}&localizacion={localizacionID}&pesoMin={pesoMin}&pesoMax={pesoMax}&tamanyoMin={tamanyoMin}&tamanyoMax={tamanyoMax}&tipoAgua={tipoAguaID}
Description: Gets a list of marine animals filtered by various optional criteria.

Parameter	Type	Required	Description
token	String	true	Authentication token
nombre	String	false	Name of marine animal
familia	Long	false	Animal family ID
localizacion	Long	false	ID of the animal's location
pesoMin	Double	false	Minimum animal weight
pesoMax	Double	false	Maximum animal weight
tamanyoMin	Double	false	Minimum animal size
tamanyoMax	Double	false	Maximum animal size
tipoAgua	Long	false	ID of the type of water it inhabits

Response

Code: 200 OK
Description: Returns a list of filtered marine animals.

Key	Type	Description
results	List<AnimalMarino>	List of marine animals

Code: 401 UNAUTHORIZED
Description: Invalid token.

Get User Posts

URL: FishAPI/PostsPerfil?token={token}&id={idUsuario}

Description: Gets the posts of a specific user if the token is valid.

Parameter	Type	Required	Description
token	String	true	Authentication token
Id	Int	true	User ID

Response

Code: 200 OK
Description: Returns the user's list of publications.

Key	Type	Description
results	List<Publicacion>	List of publications

Code: 401 UNAUTHORIZED
Description: Invalid token.

Get All Posts

URL: FishAPI/Posts

Description: Gets all posts, optionally filtered by date or username.

Parameter	Type	Required	Description
token	String	true	Authentication token
Fecha	String	false	Filter by date range (Today, Weekly, Monthly, Yearly, Yearly, All)
nombreUsuario	String	false	Filter by username

Response

Code: 200 OK
Description: Returns the list of filtered publications.

Key	Type	Description
results	List<Publicacion>	List of filtered publications

Code: 401 UNAUTHORIZED
Description: Invalid token.

POST

Login

URL: FishAPI/login

Description: Authenticates a user by user name and password.

Parameter	Type	Required	Description
nombreUsuario	String	true	Username
contrasenya	String	true	User password

Response

Code: 200 OK

Description: Returns the token and information of the authenticated user.

Key	Type	Description
token	String	Session token generated
id_usuario	Int	Authenticated user ID
nombreUsuario	String	User name
id_avatar	Int	ID of the avatar associated with the user
foto	String	Avatar photo (URL/Base64)

Code: 401 UNAUTHORIZED

Description: { "message": "The username or password is incorrect." }

Register

URL: FishAPI/register

Description: Crea un nuevo usuario en la plataforma.

Parameter	Type	Required	Description
nombreUsuario	String	true	Username
contrasenya	String	true	User password
correoElectronico	String	true	User's e-mail address

Response

Code: 201 CREATED

Description: { "message": "Email sended." }

Code: 401 UNAUTHORIZED

Description: { "message": "Other person has that user." }

Description: { "message": "Other person use that email." }

Confirm Register

URL: FishAPI/confirmRegister

Description: Confirm the registration of a user with the code sent by mail.

Parameter	Type	Required	Description
numeroConfirmacion	Int	true	Confirmation code received

Response

Code: 201 CREATED

Description: { "message": "User registered correctly." }

Code: 401 UNAUTHORIZED

Description: { "message": "Number incorrect." }

Forgotten Password

URL: FishAPI/forgottenPassword

Description: Generates a new password and sends it to the user's e-mail address.

Parameter	Type	Required	Description
correoElectronico	String	true	Registered user's email address

Response

Code: 200 OK

Description: { "message": "Password changed." }

Code: 401 UNAUTHORIZED

Description: { "message": "Mail doesn't exist." }

Create Post

URL: FishAPI/subirPost

Description: Allows a user to upload a new publication on the platform.

Parameter	Type	Required	Description
Token	String	true	Authentication token
Id_usuario	Int	true	ID of the posting user
titulo	String	true	Title of the publication
descripcion	String	true	Description of the publication
ubicacion	String	true	Location of the publication
Id_animalMarino	Int	true	ID of the related marine animal
foto	String	true	Photo attached to the publication (URL/Base64)

Response

Code: 204 NO CONTENT
Description: Publication successfully uploaded.

Code: 401 UNAUTHORIZED
Description: Invalid token.

Update Profile

URL: FishAPI/actualizarPerfil

Description: Allows a user to update their profile, including username, avatar and photo.

Parameter	Type	Required	Description
Token	String	true	Authentication token
Id_usuario	Int	true	User ID
nombreUsuario	String	false	New user name (optional)
id_avatar	Int	true	Avatar ID (if -1, a new one will be generated)
foto	String	true	New profile picture (URL/Base64)

Response

Code: 200 OK

Description: { "message": "Profile updated correctly." }

Code: 401 UNAUTHORIZED

Description: { "message": " The username is already in use." }

Code: 404 NOT FOUND

Description: { "message": "User not found." }