Empedocle – REST Endpoints Guide

This document provides a summary of the main REST endpoints available in the Empedocle application. Each endpoint is designed to perform CRUD or specialized operations on the system entities.

Base URL:
http://localhost:8080/empedocle-1.0.0/

1. Staff Endpoints

Base path: /api/staff

Method	Endpoint	Description
GET	/api/staff/{id}	Retrieve a staff member by ID
POST	/api/staff	Create a new staff member
PUT	/api/staff/{id}	Update an existing staff member
DELETE	/api/staff/{id}	Delete a staff member

2. Agenda Endpoints

Base path: /api/agenda

Method	Endpoint	Description
GET	/api/agenda/{id}	Retrieve an agenda by ID
POST	/api/agenda	Create a new agenda
PUT	/api/agenda/{id}	Update an agenda
DELETE	/api/agenda/{id}	Delete an agenda

3. MeasurementSession Endpoints

Base path: /api/measurementsessions

Method	Endpoint	Description
GET	/api/measurementsessions/{id}	Retrieve a measurement session by ID
POST	/api/measurementsessions	Create a new measurement session
PUT	/api/measurementsessions/{id}	Update a measurement session
DELETE	/api/measurementsessions/{id}	Delete a measurement session

4. Service Endpoints

Base path: /api/services

Method	Endpoint	Description
GET	/api/services/{id}	Retrieve a service by ID
POST	/api/services	Create a new service
PUT	/api/services/{id}	Update a service

DELETE	/api/services/{id}	Delete a service

5. SurveySchedule Endpoints

Base path: /api/surveyschedules

Method	Endpoint	Description
GET	/api/surveyschedules/{id}	Retrieve a survey schedule by ID
POST	/api/surveyschedules	Create a new survey schedule
PUT	/api/surveyschedules/{id}	Update a survey schedule
DELETE	/api/surveyschedules/{id}	Delete a survey schedule

6. Message Endpoints

Base path: /api/messages

Method	Endpoint	Description
GET	/api/messages/{id}	Retrieve a message by ID
POST	/api/messages	Create a new message
PUT	/api/messages/{id}	Update a message
DELETE	/api/messages/{id}	Delete a message

7. WoodElement Endpoints

Base path: /api/woodelements

Method	Endpoint	Description
GET	/api/woodelements/{id}	Retrieve a wood element by ID
POST	/api/woodelements	Create a new wood element
PUT	/api/woodelements/{id}	Update a wood element
DELETE	/api/woodelements/{id}	Delete a wood element

8. WoodElementAction Endpoints

Base path: /api/woodelementactions

Method	Endpoint	Description
GET	/api/woodelementactions/{id}	Retrieve a wood element action by ID
POST	/api/woodelementactions	Create a new wood element action
PUT	/api/woodelementactions/{id}	Update a wood element action
DELETE	/api/woodelementactions/{id}	Delete a wood element action

9. FactController Endpoints

Base path: /api/facts

Method	Endpoint	Description

GET	/api/facts/{id}	Retrieve a fact by ID
POST	/api/facts	Create a new fact
PUT	/api/facts/{id}	Update a fact
DELETE	/api/facts/{id}	Delete a fact

10. TypeController Endpoints

Base path: /api/types

Method	Endpoint	Description
GET	/api/types/{id}	Retrieve a type by ID
POST	/api/types	Create a new type
PUT	/api/types/{id}	Update a type
DELETE	/api/types/{id}	Delete a type

Authentication

Pre-set credentials:
- Username: administrator
- Password: adminpass

Response Format

All responses are provided in JSON format.

Error codes:
- 400 Bad Request – Invalid input
- 401 Unauthorized – Invalid credentials
- 404 Not Found – Entity not found
- 500 Internal Server Error – Unexpected error