https://gemini.google.com/u/1/app/0e3ccfac5f6b71bb

### OpenAPI 3.1 Spec (Module: events - 4d)

YAML

```

openapi: 3.1.0

info:

title: Pilgrimage Platform - Events API

version: v1.0.0

description: API for managing and retrieving event information related to pilgrimage waypoints.

servers:

- url: https://<your-project-ref>.supabase.co/rest/v1 # Replace with your actual Supabase URL

description: Supabase Production Server

- url: http://localhost:54321/rest/v1 # For local Supabase development via Docker

description: Local Supabase Server

components:

securitySchemes:

BearerAuth:

type: http

scheme: bearer

bearerFormat: JWT

description: Supabase JWT for authenticated requests.

parameters:

LangParameter:

name: lang

in: query

description: ISO language code for translatable content (e.g., 'it', 'en').

required: false

schema:

type: string

example: 'it'

PageParameter:

name: page

in: query

description: Page number for pagination.

required: false

schema:

type: integer

default: 1

minimum: 1

PageSizeParameter:

name: page\_size

in: query

description: Number of items per page for pagination.

required: false

schema:

type: integer

default: 20

minimum: 1

maximum: 100

WaypointIdPathParameter:

name: waypoint\_id

in: path

required: true

description: The unique identifier of the waypoint associated with the event.

schema:

type: integer

format: int64

EventTypeIdPathParameter:

name: event\_type\_id

in: path

required: true

description: The unique identifier of the event type.

schema:

type: integer

EventRecurrenceFrequencyIdPathParameter:

name: frequency\_id

in: path

required: true

description: The unique identifier of the event recurrence frequency.

schema:

type: integer

EventAttendanceScaleIdPathParameter:

name: scale\_id

in: path

required: true

description: The unique identifier of the event attendance scale.

schema:

type: integer

EventDateCertaintyLevelIdPathParameter:

name: level\_id

in: path

required: true

description: The unique identifier of the event date certainty level.

schema:

type: integer

schemas:

ErrorResponse:

type: object

properties:

message:

type: string

description: A human-readable summary of the error.

code:

type: string

description: PostgREST error code or custom application error code.

details:

type: string

nullable: true

description: More specific details or structural information about the error.

hint:

type: string

nullable: true

description: Optional hint on how to resolve the error.

required:

- message

- code

Pagination:

type: object

properties:

current\_page:

type: integer

per\_page:

type: integer

total\_items:

type: integer

total\_pages:

type: integer

required:

- current\_page

- per\_page

- total\_items

- total\_pages

TranslationsMap: # Reusable schema for the translations object

type: object

description: Key-value pairs of language codes to translated text.

additionalProperties:

type: string

example:

it: "Testo tradotto"

fr: "Texte traduit"

EventTypeMaster:

type: object

description: Defines a category or type of event.

properties:

id:

type: integer

format: int32

readOnly: true

code:

type: string

maxLength: 50

default\_name:

type: string

maxLength: 100

description: Name in the primary reference language.

name\_translations: # Translations for default\_name

$ref: '#/components/schemas/TranslationsMap'

default\_description:

type: string

nullable: true

description: Description in the primary reference language.

description\_translations: # Translations for default\_description

$ref: '#/components/schemas/TranslationsMap'

icon\_identifier:

type: string

nullable: true

maxLength: 100

sort\_order:

type: integer

default: 0

is\_active:

type: boolean

default: true

created\_at:

type: string

format: date-time

readOnly: true

updated\_at:

type: string

format: date-time

readOnly: true

created\_by\_profile\_id:

type: string

format: uuid

nullable: true

readOnly: true

updated\_by\_profile\_id:

type: string

format: uuid

nullable: true

readOnly: true

required:

- code

- default\_name

- sort\_order

- is\_active

EventRecurrenceFrequencyMaster:

type: object

description: Defines standard terms for event recurrence frequency.

properties:

id:

type: integer

format: int32

readOnly: true

code:

type: string

maxLength: 50

default\_name:

type: string

maxLength: 100

description: Name in the primary reference language.

name\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_description:

type: string

nullable: true

description: Description in the primary reference language.

description\_translations:

$ref: '#/components/schemas/TranslationsMap'

sort\_order:

type: integer

default: 0

is\_active:

type: boolean

default: true

# Standard audit columns (created\_at, etc.) would be here

required:

- code

- default\_name

- sort\_order

- is\_active

EventAttendanceScaleMaster:

type: object

description: Defines categories for expected event attendance size.

properties:

id:

type: integer

format: int32

readOnly: true

code:

type: string

maxLength: 50

default\_name:

type: string

maxLength: 100

description: Name in the primary reference language.

name\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_description:

type: string

nullable: true

description: Description in the primary reference language.

description\_translations:

$ref: '#/components/schemas/TranslationsMap'

approximate\_range: # This field itself is translatable

type: string

nullable: true

maxLength: 50

description: Textual representation of attendance numbers (primary reference language).

approximate\_range\_translations:

$ref: '#/components/schemas/TranslationsMap'

sort\_order:

type: integer

default: 0

is\_active:

type: boolean

default: true

# Standard audit columns would be here

required:

- code

- default\_name

- sort\_order

- is\_active

EventDateCertaintyLevelMaster:

type: object

description: Defines confidence levels for future event dates.

properties:

id:

type: integer

format: int32

readOnly: true

code:

type: string

maxLength: 50

default\_name:

type: string

maxLength: 100

description: Name in the primary reference language.

name\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_description:

type: string

nullable: true

description: Description in the primary reference language.

description\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_advice:

type: string

nullable: true

description: Specific advice for pilgrims in the primary reference language.

advice\_translations:

$ref: '#/components/schemas/TranslationsMap'

sort\_order:

type: integer

default: 0

is\_active:

type: boolean

default: true

# Standard audit columns would be here

required:

- code

- default\_name

- sort\_order

- is\_active

EventDetail: # Base schema for event details data

type: object

description: Detailed information for an event linked to a waypoint.

properties:

waypoint\_id:

type: integer

format: int64

default\_event\_name\_official:

type: string

maxLength: 255

event\_name\_official\_translations:

$ref: '#/components/schemas/TranslationsMap'

event\_type\_id:

type: integer

event\_theme\_or\_focus\_tag\_ids:

type: array

items: { type: integer }

nullable: true

default\_description\_long:

type: string

nullable: true

description\_long\_translations:

$ref: '#/components/schemas/TranslationsMap'

start\_datetime:

type: string

format: date-time

end\_datetime:

type: string

format: date-time

nullable: true

is\_recurring\_event:

type: boolean

default: false

recurrence\_frequency\_id:

type: integer

nullable: true

default\_recurrence\_detail\_text:

type: string

nullable: true

recurrence\_detail\_text\_translations:

$ref: '#/components/schemas/TranslationsMap'

future\_date\_estimation\_level\_id:

type: integer

nullable: true

exception\_dates:

type: array

items: { type: string, format: date }

nullable: true

default\_specific\_next\_occurrence\_dates\_text:

type: string

nullable: true

specific\_next\_occurrence\_dates\_text\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_organizer\_name:

type: string

nullable: true

maxLength: 200

organizer\_name\_translations:

$ref: '#/components/schemas/TranslationsMap'

event\_website\_or\_social\_media\_url:

type: string

format: url

nullable: true

maxLength: 2048

contact\_phone\_event:

type: string

nullable: true

maxLength: 50

contact\_email\_event:

type: string

format: email

nullable: true

maxLength: 254

default\_entry\_fee\_or\_ticket\_info:

type: string

nullable: true

entry\_fee\_or\_ticket\_info\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_location\_details\_within\_waypoint:

type: string

nullable: true

location\_details\_within\_waypoint\_translations:

$ref: '#/components/schemas/TranslationsMap'

expected\_attendance\_scale\_id:

type: integer

nullable: true

default\_impact\_on\_accommodation\_notes:

type: string

nullable: true

impact\_on\_accommodation\_notes\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_impact\_on\_trail\_access\_notes:

type: string

nullable: true

impact\_on\_trail\_access\_notes\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_impact\_on\_local\_services\_notes:

type: string

nullable: true

impact\_on\_local\_services\_notes\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_general\_impact\_notes\_for\_pilgrims:

type: string

nullable: true

general\_impact\_notes\_for\_pilgrims\_translations:

$ref: '#/components/schemas/TranslationsMap'

default\_pilgrim\_participation\_info:

type: string

nullable: true

pilgrim\_participation\_info\_translations:

$ref: '#/components/schemas/TranslationsMap'

related\_attraction\_waypoint\_id:

type: integer

format: int64

nullable: true

data\_last\_verified\_at:

type: string

format: date-time

nullable: true

data\_verified\_by\_profile\_id:

type: string

format: uuid

nullable: true

created\_at:

type: string

format: date-time

readOnly: true

created\_by\_profile\_id:

type: string

format: uuid

nullable: true

updated\_at:

type: string

format: date-time

readOnly: true

updated\_by\_profile\_id:

type: string

format: uuid

nullable: true

deleted\_at:

type: string

format: date-time

nullable: true

readOnly: true

required:

- waypoint\_id

- default\_event\_name\_official

- event\_type\_id

- start\_datetime

- is\_recurring\_event

EventDetailEnriched: # Schema for GET /events/{waypoint\_id} and list items

allOf:

- $ref: '#/components/schemas/EventDetail'

- type: object

properties:

waypoint\_default\_name: { type: string, nullable: true }

waypoint\_default\_name\_translations: { $ref: '#/components/schemas/TranslationsMap' }

waypoint\_latitude: { type: number, format: double, nullable: true }

waypoint\_longitude: { type: number, format: double, nullable: true }

waypoint\_visibility\_status\_code: { type: string, nullable: true }

event\_type\_name: { type: string, nullable: true, description: "Name of the event type (default or translated based on lang param)" }

event\_type\_name\_translations: { $ref: '#/components/schemas/TranslationsMap' }

event\_type\_code: { type: string, nullable: true }

event\_type\_icon\_identifier: { type: string, nullable: true }

recurrence\_frequency\_name: { type: string, nullable: true }

recurrence\_frequency\_name\_translations: { $ref: '#/components/schemas/TranslationsMap' }

recurrence\_frequency\_code: { type: string, nullable: true }

date\_certainty\_level\_name: { type: string, nullable: true }

date\_certainty\_level\_name\_translations: { $ref: '#/components/schemas/TranslationsMap' }

date\_certainty\_level\_code: { type: string, nullable: true }

date\_certainty\_level\_advice: { type: string, nullable: true }

date\_certainty\_level\_advice\_translations: { $ref: '#/components/schemas/TranslationsMap' }

attendance\_scale\_name: { type: string, nullable: true }

attendance\_scale\_name\_translations: { $ref: '#/components/schemas/TranslationsMap' }

attendance\_scale\_code: { type: string, nullable: true }

attendance\_scale\_approximate\_range: { type: string, nullable: true }

attendance\_scale\_approximate\_range\_translations: { $ref: '#/components/schemas/TranslationsMap' }

related\_attraction\_waypoint\_name: { type: string, nullable: true }

related\_attraction\_waypoint\_name\_translations: { $ref: '#/components/schemas/TranslationsMap' }

data\_verified\_by\_user\_display\_name: { type: string, nullable: true }

created\_by\_user\_display\_name: { type: string, nullable: true }

updated\_by\_user\_display\_name: { type: string, nullable: true }

EventDetailCreation: # For POST /events

type: object

allOf:

- $ref: '#/components/schemas/EventDetail'

# For creation, waypoint\_id is required. Other readOnly fields are not part of request.

# Example of removing readOnly properties for a request body (not fully fleshed out here for brevity):

# properties: (list only writable fields)

EventDetailUpdate: # For PATCH /events/{waypoint\_id}

type: object

description: Data for updating an existing event detail record. All fields are optional for PATCH.

properties: # All properties from EventDetail, but none are required

default\_event\_name\_official: { type: string, maxLength: 255, nullable: true }

event\_name\_official\_translations: { $ref: '#/components/schemas/TranslationsMap', nullable: true } # Allow updating translations

event\_type\_id: { type: integer, nullable: true }

# ... all other updatable fields from EventDetail, marked as nullable: true

start\_datetime: { type: string, format: date-time, nullable: true }

# etc.

security:

- BearerAuth: []

paths:

/events:

get:

summary: List Events

description: Retrieves a list of events. # Utilizes the event\_details\_enriched\_view or similar server-side logic.

operationId: listEvents

tags: ["Events"]

parameters:

- $ref: '#/components/parameters/LangParameter'

- $ref: '#/components/parameters/PageParameter'

- $ref: '#/components/parameters/PageSizeParameter'

- name: near\_waypoint\_id

in: query

schema: { type: integer, format: int64 }

- name: start\_date

in: query

schema: { type: string, format: date }

- name: end\_date

in: query

schema: { type: string, format: date }

- name: event\_type\_codes # Comma-separated string of codes

in: query

schema: { type: string }

responses:

'200':

description: A paginated list of enriched event details.

content:

application/json:

schema:

type: object

properties:

pagination: { $ref: '#/components/schemas/Pagination' }

data:

type: array

items: { $ref: '#/components/schemas/EventDetailEnriched' }

default: { $ref: '#/components/responses/DefaultError' }

post:

summary: Create Event Detail

description: Creates a new event detail record. Assumes `waypoint\_id` is provided in the body.

operationId: createEventDetail

tags: ["Events"]

requestBody:

required: true

content:

application/json:

schema: { $ref: '#/components/schemas/EventDetailCreation' }

responses:

'201':

description: Event detail created.

content:

application/json: { schema: { $ref: '#/components/schemas/EventDetail' } }

default: { $ref: '#/components/responses/DefaultError' }

/events/{waypoint\_id}:

get:

summary: Get Event Detail by Waypoint ID

description: Retrieves detailed information for a specific event. # Utilizes the event\_details\_enriched\_view or similar server-side logic.

operationId: getEventDetailByWaypointId

tags: ["Events"]

parameters:

- $ref: '#/components/parameters/WaypointIdPathParameter'

- $ref: '#/components/parameters/LangParameter'

responses:

'200':

description: Detailed information about the event.

content:

application/json: { schema: { $ref: '#/components/schemas/EventDetailEnriched' } }

default: { $ref: '#/components/responses/DefaultError' }

patch:

summary: Update Event Detail

description: Partially updates an existing event detail record.

operationId: updateEventDetail

tags: ["Events"]

parameters:

- $ref: '#/components/parameters/WaypointIdPathParameter'

requestBody:

required: true

content:

application/json:

schema: { $ref: '#/components/schemas/EventDetailUpdate' }

responses:

'200':

description: Event detail updated.

content:

application/json: { schema: { $ref: '#/components/schemas/EventDetail' } }

default: { $ref: '#/components/responses/DefaultError' }

/event\_types:

get:

summary: List Event Types

description: Retrieves a list of all available event types.

operationId: listEventTypes

tags: ["Events Master Data"]

parameters:

- $ref: '#/components/parameters/LangParameter'

responses:

'200':

description: A list of event types.

content:

application/json:

schema:

type: array

items: { $ref: '#/components/schemas/EventTypeMaster' }

default: { $ref: '#/components/responses/DefaultError' }

# For brevity, GET by ID for /event\_types and full CRUD for other master tables are omitted,

# but would follow similar patterns to /event\_types and /events respectively if needed.

# List endpoints for other master tables:

/event\_recurrence\_frequencies:

get:

summary: List Event Recurrence Frequencies

tags: ["Events Master Data"]

parameters: [- $ref: '#/components/parameters/LangParameter']

responses:

'200':

description: A list of event recurrence frequencies.

content:

application/json:

schema:

type: array

items: { $ref: '#/components/schemas/EventRecurrenceFrequencyMaster' }

default: { $ref: '#/components/responses/DefaultError' }

/event\_attendance\_scales:

get:

summary: List Event Attendance Scales

tags: ["Events Master Data"]

parameters: [- $ref: '#/components/parameters/LangParameter']

responses:

'200':

description: A list of event attendance scales.

content:

application/json:

schema:

type: array

items: { $ref: '#/components/schemas/EventAttendanceScaleMaster' }

default: { $ref: '#/components/responses/DefaultError' }

/event\_date\_certainty\_levels:

get:

summary: List Event Date Certainty Levels

tags: ["Events Master Data"]

parameters: [- $ref: '#/components/parameters/LangParameter']

responses:

'200':

description: A list of event date certainty levels.

content:

application/json:

schema:

type: array

items: { $ref: '#/components/schemas/EventDateCertaintyLevelMaster' }

default: { $ref: '#/components/responses/DefaultError' }

responses: # Shared response components

NotFound:

description: The specified resource was not found.

content: { application/json: { schema: { $ref: '#/components/schemas/ErrorResponse'}}}

DefaultError:

description: An unexpected error occurred.

content: { application/json: { schema: { $ref: '#/components/schemas/ErrorResponse'}}}

```

\* \* \* \* \*

### Quick-Start Examples

1. List upcoming cultural festivals (default language):

Bash

```

curl -X GET\

'https://<your-project-ref>.supabase.co/rest/v1/events?start\_date=2025-07-01&event\_type\_codes=cultural\_historical\_festival&page\_size=3'\

-H 'apikey: <YOUR\_SUPABASE\_ANON\_KEY>'\

-H 'Authorization: Bearer <YOUR\_USER\_JWT\_IF\_AUTHENTICATED\_ACCESS\_IS\_NEEDED>'

```

Sample Response Snippet:

JSON

```

{

"pagination": { "current\_page": 1, "per\_page": 3, "total\_items": 1, "total\_pages": 1 },

"data": [

{

"waypoint\_id": 789,

"waypoint\_default\_name": "Old Town Square",

"default\_event\_name\_official": "Medieval Times Revival",

"event\_name\_official\_translations": { "it": "Rievocazione Tempi Medievali" },

"start\_datetime": "2025-08-10T10:00:00Z",

"event\_type\_name": "Cultural/Historical Festival",

"event\_type\_code": "cultural\_historical\_festival"

}

]

}

```

2. Get specific event details for waypoint ID 789, requesting Italian:

Bash

```

curl -X GET\

'https://<your-project-ref>.supabase.co/rest/v1/events/789?lang=it'\

-H 'apikey: <YOUR\_SUPABASE\_ANON\_KEY>'\

-H 'Authorization: Bearer <YOUR\_USER\_JWT\_IF\_AUTHENTICATED\_ACCESS\_IS\_NEEDED>'

```

Sample Response Snippet:

JSON

```

{

"waypoint\_id": 789,

"waypoint\_default\_name": "Piazza della Città Vecchia", // Assuming lang=it makes this Italian

"waypoint\_default\_name\_translations": { "en": "Old Town Square" },

"default\_event\_name\_official": "Rievocazione Tempi Medievali",

"event\_name\_official\_translations": { "en": "Medieval Times Revival" },

"start\_datetime": "2025-08-10T10:00:00Z",

"event\_type\_name": "Festival Culturale/Storico", // Translated from event\_types\_master

"default\_description\_long": "Una fantastica rievocazione della vita medievale con spettacoli e mercati.",

"description\_long\_translations": { "en": "A fantastic reenactment of medieval life with shows and markets." }

}

```

3. Update (PATCH) event details for waypoint ID 789 (requires auth):

Bash

```

curl -X PATCH\

'https://<your-project-ref>.supabase.co/rest/v1/events?waypoint\_id=eq.789'\

-H 'apikey: <YOUR\_SUPABASE\_ANON\_KEY>'\

-H 'Authorization: Bearer <YOUR\_AUTHENTICATED\_ADMIN\_JWT>'\

-H 'Content-Type: application/json'\

-H 'Prefer: return=representation'\

-d '{

"default\_organizer\_name": "Historical Society Updated",

"organizer\_name\_translations": {

"it": "Società Storica Aggiornata"

},

"contact\_phone\_event": "+390551234568"

}'

```

Sample Response (200 OK):

JSON

```

{

"waypoint\_id": 789,

"default\_event\_name\_official": "Rievocazione Tempi Medievali",

"default\_organizer\_name": "Historical Society Updated",

"contact\_phone\_event": "+390551234568",

"updated\_at": "2025-05-18T21:00:00Z"

// ... other fields, translations would be written to translations table by backend logic

}

```

\* \* \* \* \*

### Implementation Notes

- 🟢 Schema OK for Core Functionality: The database schema for Module 4d, with the `default\_` naming convention for primary language text and established audit/master table patterns, supports these API endpoints.

- View Usage:

- The `public.event\_details\_enriched\_view` (as defined and corrected previously) is critical for efficiently serving `GET /events` and `GET /events/{waypoint\_id}`. It pre-joins necessary data, reducing query complexity at the API layer.

- Translation Handling:

- For GET requests with a `lang` parameter, a Supabase Edge Function or Database Function (RPC) is the recommended approach to:

1. Query the base data (e.g., from `event\_details\_enriched\_view`).

2. For each translatable field (e.g., `default\_event\_name\_official`, `event\_type\_name` from the view), look up the corresponding translation in `public.translations` using the item's ID (e.g., `events\_details.waypoint\_id` or `event\_types\_master.id`) and the target language.

3. Construct the response by providing the `default\_...` field (primary reference language text) and the `...\_translations` object map.

- For POST/PATCH requests that include translation objects (e.g., `event\_name\_official\_translations`), the backend function must parse this and write appropriate entries to the `public.translations` table.

- 🔴 `tags\_master.is\_active`: The `check\_event\_theme\_tags\_exist()` trigger (on `events\_details`) correctly relies on `tags\_master.is\_active`. This dependency on an external module's table structure (`tags\_master`) must be satisfied. (User has confirmed this table is updated).

- Geo-spatial Queries: If `near\_waypoint\_id` or lat/lon/radius filters on `GET /events` are implemented with high performance, the `waypoints` table needs PostGIS capabilities and spatial indexes. The API function would perform the spatial query against `waypoints` and then join with `events\_details` or its enriched view.

- Write Operations:

- `POST /events` would likely insert into `public.events\_details`. The `created\_by\_profile\_id` must be set from the authenticated user's JWT.

- `PATCH /events/{waypoint\_id}` updates `public.events\_details`. `updated\_by\_profile\_id` must be set.

- RLS policies on `events\_details` and master tables will gate these operations.

- Database triggers (`check\_event\_theme\_tags\_exist`, `updated\_at` handlers, orphan translation cleanup on delete) are crucial.