https://gemini.google.com/u/1/app/3ccfcacc8925c6f9

### OpenAPI 3.1 Spec (for Module Attractions)

YAML

```

openapi: 3.1.0

info:

title: Via di Francesco - Module 4b: Attractions API

version: "v1.0.0"

description: API endpoints for managing and retrieving attraction details, including religious service schedules and related master data. Primary language for fields is English; other translations are provided in a 'translations' object.

servers:

- url: https://<YOUR\_SUPABASE\_PROJECT\_REF>.supabase.co/rest/v1

description: Production Server (Replace with your actual Supabase project reference)

tags:

- name: Attractions

description: Operations related to attraction details and their religious service schedules.

- name: MasterDataAttractions

description: Read-only access to master data related to attractions (e.g., types, amenities).

components:

securitySchemes:

bearerAuth:

type: http

scheme: bearer

bearerFormat: JWT

description: Supabase JWT Access Token.

apiKeyAuth:

type: apiKey

in: header

name: apikey

description: Supabase anonymous public key.

parameters:

WaypointIdPath:

name: waypoint\_id

in: path

required: true

description: The unique identifier of the parent waypoint.

schema:

type: integer

format: int64

ScheduleIdPath:

name: schedule\_id

in: path

required: true

description: The unique identifier of the religious service schedule.

schema:

type: integer

format: int64

TypeIdPath: # For master data by ID

name: type\_id

in: path

required: true

description: The unique identifier of the master data type.

schema:

type: integer

AmenityIdPath: # For master data by ID

name: amenity\_id

in: path

required: true

description: The unique identifier of the visitor amenity.

schema:

type: integer

LangQueryParam:

name: lang

in: query

description: ISO 639-1 language code. If provided, the API may attempt to return the main field in this language if available, otherwise, it defaults to the primary reference language (English). The 'translations' object will contain other available translations.

required: false

schema:

type: string

pattern: '^[a-z]{2}(-[A-Z]{2})?$'

example: "it"

PageQueryParam:

name: page

in: query

description: Page number for pagination.

required: false

schema:

type: integer

minimum: 1

default: 1

PageSizeQueryParam:

name: page\_size

in: query

description: Number of items per page.

required: false

schema:

type: integer

minimum: 1

maximum: 100

default: 20

schemas:

ErrorResponse:

type: object

properties:

message:

type: string

description: A human-readable summary of the error.

details:

type: string

nullable: true

description: More specific details.

hint:

type: string

nullable: true

description: Hint on how to solve it.

code:

type: string

description: Error code slug.

required:

- message

- code

Pagination:

type: object

properties:

total\_items:

type: integer

description: Total number of items available.

total\_pages:

type: integer

description: Total number of pages.

current\_page:

type: integer

description: Current page number.

page\_size:

type: integer

description: Number of items per page.

AttractionTypeMaster:

title: AttractionTypeMaster

description: Master list of attraction types (e.g., church, museum).

type: object

properties:

id:

type: integer

readOnly: true

code:

type: string

description: Unique, machine-readable code (e.g., 'church').

label: # Stores primary reference language (English)

type: string

description: Human-readable label in the primary reference language (English).

translations: # language\_code -> text (for label)

type: object

additionalProperties:

type: string

nullable: true

description: Translations for the 'label' field. Example: {"it": "Chiesa"}

description: # Stores primary reference language (English)

type: string

nullable: true

description: Optional description in the primary reference language (English).

description\_translations: # language\_code -> text (for description)

type: object

additionalProperties:

type: string

nullable: true

description: Translations for the 'description' field.

icon\_identifier:

type: string

nullable: true

description: Identifier for a UI icon.

sort\_order:

type: integer

default: 0

is\_active:

type: boolean

default: true

readOnly: true

VisitorAmenityMaster:

title: VisitorAmenityMaster

description: Master list of on-site amenities for visitors.

type: object

properties:

id:

type: integer

readOnly: true

code:

type: string

label:

type: string

description: Label in primary reference language (English).

translations:

type: object

additionalProperties:

type: string

nullable: true

description:

type: string

nullable: true

description: Description in primary reference language (English).

description\_translations:

type: object

additionalProperties:

type: string

nullable: true

icon\_identifier:

type: string

nullable: true

is\_active:

type: boolean

default: true

readOnly: true

ReligiousServiceTypeMaster:

title: ReligiousServiceTypeMaster

description: Master list of religious service types.

type: object

properties:

id:

type: integer

readOnly: true

code:

type: string

label:

type: string

description: Label in primary reference language (English).

translations:

type: object

additionalProperties:

type: string

nullable: true

description:

type: string

nullable: true

description: Description in primary reference language (English).

description\_translations:

type: object

additionalProperties:

type: string

nullable: true

icon\_identifier:

type: string

nullable: true

sort\_order:

type: integer

default: 0

is\_active:

type: boolean

default: true

readOnly: true

AttractionDetailBase: # Base for request bodies and part of response

title: AttractionDetailBase

description: Base schema for attraction details. Fields store primary reference language (English).

type: object

properties:

attraction\_type\_id:

type: integer

description: FK to attraction\_types\_master.id.

detailed\_description:

type: string

nullable: true

description: In-depth description in primary reference language (English).

detailed\_description\_translations:

type: object

additionalProperties: { type: string }

nullable: true

description: Key-value pairs of language\_code to translated detailed\_description.

historical\_significance\_notes:

type: string

nullable: true

historical\_significance\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

cultural\_significance\_notes:

type: string

nullable: true

cultural\_significance\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

spiritual\_significance\_notes:

type: string

nullable: true

spiritual\_significance\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

associated\_historical\_figures\_text: # Array elements are in primary reference language (English)

type: array

items: { type: string }

nullable: true

# associated\_historical\_figures\_text\_translations would be complex (array of objects or similar)

# and typically handled by specific translation UI/logic if each element needs translation.

# For the API, providing the English array and letting clients handle element translation lookup if needed is simpler.

key\_historical\_events\_notes:

type: string

nullable: true

key\_historical\_events\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

opening\_hours\_structured:

type: object # Adheres to a centrally defined JSON schema

nullable: true

additionalProperties: true

description: "Example: {\"monday\": [{\"opens\": \"09:00\", \"closes\": \"18:00\"}]}"

opening\_hours\_text\_notes:

type: string

nullable: true

opening\_hours\_text\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

entry\_fee\_details:

type: string

nullable: true

entry\_fee\_details\_translations:

type: object

additionalProperties: { type: string }

nullable: true

guided\_tours\_info:

type: string

nullable: true

guided\_tours\_info\_translations:

type: object

additionalProperties: { type: string }

nullable: true

audio\_guides\_info:

type: string

nullable: true

audio\_guides\_info\_translations:

type: object

additionalProperties: { type: string }

nullable: true

photography\_allowed\_notes:

type: string

nullable: true

photography\_allowed\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

accessibility\_details\_specific:

type: string

nullable: true

accessibility\_details\_specific\_translations:

type: object

additionalProperties: { type: string }

nullable: true

visitor\_amenity\_ids: # Array of FKs to visitor\_amenities\_master

type: array

items: { type: integer }

nullable: true

opening\_hours\_last\_verified\_at:

type: string

format: date-time

nullable: true

data\_last\_verified\_at:

type: string

format: date-time

nullable: true

AttractionDetailResponse: # For GET response, includes expanded objects

title: AttractionDetailResponse

allOf:

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

- type: object

properties:

waypoint\_id:

type: integer

format: int64

readOnly: true

attraction\_type: # Expanded from attraction\_type\_id for GET response

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

visitor\_amenities: # Expanded from visitor\_amenity\_ids for GET response

type: array

items:

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

media\_gallery:

type: array

items:

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

religious\_services: # List of religious services for this attraction

type: array

items:

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

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, readOnly: true, nullable: true }

updated\_by\_profile\_id: { type: string, format: uuid, readOnly: true, nullable: true }

AttractionDetailUpdate: # Schema for PATCH request body (only updatable fields)

title: AttractionDetailUpdate

description: Fields for updating attraction details. All fields are optional for PATCH.

type: object

properties:

attraction\_type\_id: { type: integer }

detailed\_description: { type: string, nullable: true }

# For PATCH, translations would be updated separately if needed, or the main field update implies primary lang change

historical\_significance\_notes: { type: string, nullable: true }

opening\_hours\_structured: { type: object, nullable: true, additionalProperties: true }

entry\_fee\_details: { type: string, nullable: true }

visitor\_amenity\_ids: { type: array, items: { type: integer }, nullable: true }

opening\_hours\_last\_verified\_at: { type: string, format: "date-time", nullable: true }

data\_last\_verified\_at: { type: string, format: "date-time", nullable: true }

ReligiousServiceScheduleBase:

title: ReligiousServiceScheduleBase

type: object

properties:

service\_type\_id: # FK to religious\_service\_types\_master

type: integer

schedule\_description\_text: # Primary reference language (English)

type: string

schedule\_description\_text\_translations:

type: object

additionalProperties: { type: string }

nullable: true

days\_of\_week:

type: array

items:

type: string

enum: [monday, tuesday, wednesday, thursday, friday, saturday, sunday]

nullable: true

time\_of\_day: # HH:MM:SS

type: string

format: time

nullable: true

language\_code: # Primary language of the service itself, FK to languages\_master

type: string

pattern: '^[a-z]{2}$'

nullable: true

language\_notes: # Primary reference language (English)

type: string

nullable: true

language\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

location\_within\_site\_notes: # Primary reference language (English)

type: string

nullable: true

location\_within\_site\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

seasonal\_validity\_notes: # Primary reference language (English)

type: string

nullable: true

seasonal\_validity\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

is\_pilgrim\_specific\_service:

type: boolean

default: false

service\_notes: # Primary reference language (English)

type: string

nullable: true

service\_notes\_translations:

type: object

additionalProperties: { type: string }

nullable: true

data\_last\_verified\_at:

type: string

format: date-time

nullable: true

ReligiousServiceScheduleResponse: # For GET response

title: ReligiousServiceScheduleResponse

allOf:

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

- type: object

properties:

id: { type: integer, format: int64, readOnly: true }

attraction\_waypoint\_id: { type: integer, format: int64, readOnly: true }

service\_type: # Expanded from service\_type\_id

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

language: # Expanded from language\_code if present

type: object # Based on languages\_master

nullable: true

properties:

code: { type: string }

name: { type: string } # Name in requested lang or primary

native\_name: { type: string }

translations: { type: object, additionalProperties: { type: string }, nullable: true } # For language name itself

created\_at: { type: string, format: date-time, readOnly: true }

updated\_at: { type: string, format: date-time, readOnly: true }

ReligiousServiceScheduleCreate: # For POST request body

title: ReligiousServiceScheduleCreate

allOf:

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

required: # Assuming these are minimal for creation

- service\_type\_id

- schedule\_description\_text

PaginatedAttractionDetailsList: # This is not directly used for a single attraction's detail. Placeholder for if needed.

type: object

properties:

data:

type: array

items:

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

pagination:

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

PaginatedReligiousServiceSchedulesList:

type: object

properties:

data:

type: array

items:

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

pagination:

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

AttractionDetailsMediaItem: # Base for create/update media link for an attraction

type: object

properties:

media\_id: { type: string, format: uuid, description: "ID of the media item from public.media" }

media\_role\_code: { type: string, description: "Role of the media, FK to public.media\_roles\_master.code" }

display\_order: { type: integer, default: 0 }

caption\_override: { type: string, nullable: true, description: "Caption in primary reference language (English)." }

caption\_override\_translations: { type: object, additionalProperties: {type: string}, nullable: true }

alt\_text\_override: { type: string, nullable: true, description: "Alt text in primary reference language (English)." }

alt\_text\_override\_translations: { type: object, additionalProperties: {type: string}, nullable: true }

required:

- media\_id

- media\_role\_code

AttractionDetailsMediaItemResponse: # For GET response of a media link

allOf:

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

- type: object

properties:

id: { type: integer, format: int64, readOnly: true, description: "ID of the attraction\_details\_media link record." }

attraction\_waypoint\_id: { type: integer, format: int64, readOnly: true }

media\_item\_summary: # Simplified summary of the linked media item from public.media

type: object

readOnly: true

properties:

file\_name\_original: { type: string }

image\_variants\_json: { type: object, nullable: true }

created\_at: { type: string, format: "date-time", readOnly: true }

updated\_at: { type: string, format: "date-time", readOnly: true }

security:

- bearerAuth: []

- apiKeyAuth: []

paths:

/waypoints/{waypoint\_id}/attraction\_details:

get:

tags: [Attractions]

summary: Get attraction details for a waypoint

description: |

Retrieves specific attraction details for a given waypoint.

The primary language for main text fields is English.

Translations are provided in the 'translations' sibling object if available.

The `lang` query parameter can be used to request a specific language; the backend may use this to populate main fields directly if a translation exists, or the client can parse the 'translations' object.

# Optimized by `public.v\_waypoint\_attraction\_details\_localized` view.

operationId: getAttractionDetails

parameters:

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

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

responses:

'200':

description: Successful retrieval of attraction details.

content:

application/json:

schema:

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

'401':

$ref: '#/components/responses/UnauthorizedError'

'403':

$ref: '#/components/responses/ForbiddenError'

'404':

$ref: '#/components/responses/NotFoundError'

patch:

tags: [Attractions]

summary: Update attraction details for a waypoint (Exemplar Write)

description: Partially updates attraction-specific details. Requires 'regional\_content\_manager' or 'platform\_admin' role.

operationId: updateAttractionDetails

parameters:

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

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/AttractionDetailUpdate' # Contains only updatable fields

responses:

'200':

description: Attraction details updated successfully. Returns the full updated resource.

content:

application/json:

schema:

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

'400':

$ref: '#/components/responses/BadRequestError'

'401':

$ref: '#/components/responses/UnauthorizedError'

'403':

$ref: '#/components/responses/ForbiddenError'

'404':

$ref: '#/components/responses/NotFoundError'

'422':

$ref: '#/components/responses/UnprocessableEntityError'

/waypoints/{waypoint\_id}/attraction\_details/religious\_service\_schedules:

get:

tags: [Attractions]

summary: List religious service schedules for an attraction

description: Retrieves a list of religious service schedules associated with a specific attraction.

operationId: listReligiousServiceSchedules

parameters:

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

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

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

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

responses:

'200':

description: A list of religious service schedules.

content:

application/json:

schema:

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

'401':

$ref: '#/components/responses/UnauthorizedError'

'403':

$ref: '#/components/responses/ForbiddenError'

'404':

$ref: '#/components/responses/NotFoundError'

post:

tags: [Attractions]

summary: Create a religious service schedule (Exemplar Write)

description: Adds a new religious service schedule to an attraction. Requires 'regional\_content\_manager' or 'platform\_admin' role.

operationId: createReligiousServiceSchedule

parameters:

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

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: Religious service schedule created successfully.

content:

application/json:

schema:

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

'400':

$ref: '#/components/responses/BadRequestError'

'401':

$ref: '#/components/responses/UnauthorizedError'

'403':

$ref: '#/components/responses/ForbiddenError'

'404':

$ref: '#/components/responses/NotFoundError' # If waypoint/attraction\_detail doesn't exist

'422':

$ref: '#/components/responses/UnprocessableEntityError'

/waypoints/{waypoint\_id}/attraction\_details/religious\_service\_schedules/{schedule\_id}:

get:

tags: [Attractions]

summary: Get a specific religious service schedule

operationId: getReligiousServiceScheduleById

parameters:

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

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

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

responses:

'200':

description: Details of the religious service schedule.

content:

application/json:

schema:

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

'404':

$ref: '#/components/responses/NotFoundError'

patch:

tags: [Attractions]

summary: Update a specific religious service schedule

operationId: updateReligiousServiceSchedule

parameters:

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

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

requestBody:

required: true

content:

application/json:

schema: # Similar to create, but all fields optional for PATCH

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

responses:

'200':

description: Religious service schedule updated successfully.

content:

application/json:

schema:

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

'404':

$ref: '#/components/responses/NotFoundError'

delete:

tags: [Attractions]

summary: Delete a specific religious service schedule

operationId: deleteReligiousServiceSchedule

parameters:

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

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

responses:

'204':

description: Religious service schedule deleted successfully.

'404':

$ref: '#/components/responses/NotFoundError'

# Master Data Endpoints for Attractions Module

/master/attraction\_types:

get:

tags: [MasterDataAttractions]

summary: List attraction types

operationId: listAttractionTypes

parameters:

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

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

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

responses:

'200':

description: A list of attraction types.

content:

application/json:

schema:

type: object

properties:

data:

type: array

items:

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

pagination:

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

/master/attraction\_types/{type\_id}:

get:

tags: [MasterDataAttractions]

summary: Get attraction type by ID

operationId: getAttractionTypeById

parameters:

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

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

responses:

'200':

description: Details of the attraction type.

content:

application/json:

schema:

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

'404':

$ref: '#/components/responses/NotFoundError'

/master/visitor\_amenities:

get:

tags: [MasterDataAttractions]

summary: List visitor amenities

operationId: listVisitorAmenities

parameters:

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

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

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

responses:

'200':

description: A list of visitor amenities.

content:

application/json:

schema:

type: object

properties:

data:

type: array

items:

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

pagination:

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

/master/visitor\_amenities/{amenity\_id}:

get:

tags: [MasterDataAttractions]

summary: Get visitor amenity by ID

operationId: getVisitorAmenityById

parameters:

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

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

responses:

'200':

description: Details of the visitor amenity.

content:

application/json:

schema:

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

'404':

$ref: '#/components/responses/NotFoundError'

/master/religious\_service\_types:

get:

tags: [MasterDataAttractions]

summary: List religious service types

operationId: listReligiousServiceTypes

parameters:

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

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

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

responses:

'200':

description: A list of religious service types.

content:

application/json:

schema:

type: object

properties:

data:

type: array

items:

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

pagination:

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

/master/religious\_service\_types/{type\_id}:

get:

tags: [MasterDataAttractions]

summary: Get religious service type by ID

operationId: getReligiousServiceTypeById

parameters:

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

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

responses:

'200':

description: Details of the religious service type.

content:

application/json:

schema:

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

'404':

$ref: '#/components/responses/NotFoundError'

```

### Quick-Start Examples

1. Get Attraction Details for a Waypoint (Italian)

\*Curl Request:\*

Bash

```

curl -X GET\

'https://<YOUR\_SUPABASE\_PROJECT\_REF>.supabase.co/rest/v1/waypoints/101/attraction\_details?lang=it'\

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

-H "Authorization: Bearer <YOUR\_USER\_JWT>"

```

\*Sample JSON Response:\*

JSON

```

{

"waypoint\_id": 101,

"attraction\_type\_id": 1,

"detailed\_description": "Una bellissima chiesa storica con affreschi notevoli...", // Main field shows Italian due to lang=it

"detailed\_description\_translations": { // Other available translations

"en": "A beautiful historic church with notable frescoes...",

"de": "Eine wunderschöne historische Kirche mit bemerkenswerten Fresken..."

},

"opening\_hours\_structured": { "default\_hours": "09:00-17:00" },

"visitor\_amenity\_ids": [1, 3],

"attraction\_type": {

"id": 1,

"code": "church",

"label": "Chiesa", // Italian label

"translations": { "en": "Church", "de": "Kirche" },

"icon\_identifier": "icon-church",

"is\_active": true

},

"visitor\_amenities": [

{ "id": 1, "code": "toilets", "label": "Bagni", "translations": { "en": "Toilets" }, "is\_active": true },

{ "id": 3, "code": "gift\_shop", "label": "Negozio di Souvenir", "translations": { "en": "Gift Shop" }, "is\_active": true }

],

"media\_gallery": [],

"religious\_services": [],

"created\_at": "2024-01-10T10:00:00Z",

"updated\_at": "2024-05-15T14:30:00Z"

}

```

2. List Religious Service Schedules for an Attraction (Paginated, default English)

\*Curl Request:\*

Bash

```

curl -X GET\

'https://<YOUR\_SUPABASE\_PROJECT\_REF>.supabase.co/rest/v1/waypoints/101/attraction\_details/religious\_service\_schedules?page=1&page\_size=2'\

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

-H "Authorization: Bearer <YOUR\_USER\_JWT>"

```

\*Sample JSON Response:\*

JSON

```

{

"data": [

{

"id": 1,

"attraction\_waypoint\_id": 101,

"service\_type\_id": 1,

"schedule\_description\_text": "Weekday Mass at 6:00 PM", // English

"schedule\_description\_text\_translations": {"it": "Messa feriale alle 18:00"},

"days\_of\_week": ["monday", "tuesday", "wednesday", "thursday", "friday"],

"time\_of\_day": "18:00:00",

"language\_code": "it",

"service\_type": { "id": 1, "code": "mass", "label": "Mass", "translations": {"it": "Messa"}, "is\_active": true }

}

],

"pagination": {

"total\_items": 1,

"total\_pages": 1,

"current\_page": 1,

"page\_size": 2

}

}

```

3. Create a Religious Service Schedule for an Attraction (Exemplar Write)

\*Curl Request:\*

Bash

```

curl -X POST\

'https://<YOUR\_SUPABASE\_PROJECT\_REF>.supabase.co/rest/v1/waypoints/101/attraction\_details/religious\_service\_schedules'\

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

-H "Authorization: Bearer <YOUR\_ADMIN\_OR\_MANAGER\_JWT>"\

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

-H "Prefer: return=representation"\

-d '{

"service\_type\_id": 2,

"schedule\_description\_text": "Sunday Vespers at 5:00 PM",

"schedule\_description\_text\_translations": {

"it": "Vespri domenicali alle 17:00"

},

"days\_of\_week": ["sunday"],

"time\_of\_day": "17:00:00",

"language\_code": "la",

"is\_pilgrim\_specific\_service": false

}'

```

\*Sample JSON Response (showing the created resource):\*

JSON

```

{

"id": 2,

"attraction\_waypoint\_id": 101,

"service\_type\_id": 2,

"schedule\_description\_text": "Sunday Vespers at 5:00 PM",

"schedule\_description\_text\_translations": {

"it": "Vespri domenicali alle 17:00"

},

"days\_of\_week": ["sunday"],

"time\_of\_day": "17:00:00",

"language\_code": "la",

"is\_pilgrim\_specific\_service": false,

"service\_type": { "id": 2, "code": "vespers", "label": "Vespers", "translations": {"it": "Vespri"}, "is\_active": true },

"created\_at": "2025-05-18T19:30:00Z",

"updated\_at": "2025-05-18T19:30:00Z"

// ... other fields

}

```

### Implementation Notes

- 🟢 Schema OK. The database schemas for Module 4b Attractions (`attractions\_details`, `religious\_service\_schedules`, `attraction\_types\_master`, `visitor\_amenities\_master`, `religious\_service\_types\_master`, `attraction\_details\_media`), as detailed in the provided documents, are well-structured. They correctly store primary reference language text in base columns (e.g., `label`, `detailed\_description`) without `\_en` suffixes. This aligns with the updated API translation model.

- Views for READ Efficiency:

- The `public.v\_waypoint\_attraction\_details\_localized` view is crucial for efficiently implementing `GET /waypoints/{waypoint\_id}/attraction\_details`. It pre-joins data and aggregates translations from `public.translations`, allowing the backend to easily construct the API response with the primary language field and the `translations` object.

- Backend logic will need to parse the `all\_translations` JSONB from the view to populate the `translations` object for each specific field in the API response.

- Indexes are Critical:

- All Foreign Key columns require indexes.

- GIN indexes on array columns (e.g., `attractions\_details.visitor\_amenity\_ids`) and JSONB columns (e.g., `attractions\_details.opening\_hours\_structured`) are important for query performance where applicable.

- The `public.translations` table needs effective indexing on `(table\_identifier, row\_foreign\_key, column\_identifier, language\_code)`.

- Materialized Views: For high-traffic read scenarios, consider making `public.v\_waypoint\_attraction\_details\_localized` a Materialized View to improve response times, with an appropriate refresh strategy.

- Translation Logic: The `lang` query parameter informs the backend which language to potentially prioritize for the main field in the response. The backend should fetch the primary reference language (English) content and all available translations (e.g., from the view's `all\_translations` field) to construct the `field\_name` + `translations` object structure.

- Data Integrity: The database triggers ensuring that FKs point to `is\_active: true` master records and validating array FK elements are fundamental for API data consistency.

This refined approach for Module 4b Attractions should now align better with your data modeling and API presentation preferences for translatable content.