**Task 2**

**API documentation**

**Create Event**

**Creates a new event.**

- **URL**: `/api/v3/app/events`

- **Method**: POST

- **Request Body**: JSON object representing the event data.

- **Example**:

{

"name": "Event Name",

"description": "Event description",

"date": "2023-06-20",

"location": "Event Location"

}

- **Success Response**:

- **Status Code**: 201 Created

- **Content**: The result object from the database insertion.

- **Error Response**:

- **Status Code**: 500 Internal Server Error

- **Content**: `{ "error": "Internal server error" }`

- **Description**: Returned when an unexpected error occurs while creating the event.

**Get Event by ID**

Retrieves a specific event by its ID.

- **URL**: `/api/v3/app/events`

- **Method**: GET

- **Query Parameters**:

- `**id` (required):** The ID of the event to retrieve.

- **Success Response**:

- **Status Code**: 200 OK

- **Content**: The event data in JSON format.

{

"\_id": "event\_id",

"name": "Event Name",

"description": "Event description",

"date": "2023-06-20",

"location": "Event Location"

}

- **Error Responses**:

- **Status Code**:404 Not Found

- **Content**: `{ "error": "Event not found" }`

- **Description**: Returned when the event with the specified ID is not found.

- **Status Code**: 500 Internal Server Error

- **Content**: `{ "error": "Internal server error" }`

- **Description**: Returned when an unexpected error occurs while retrieving the event

**Get Events**

Retrieves a list of events based on the provided filters.

- **UR**L: `/api/v3/app/event`

- **Method**: GET

- **Query Parameters**:

- **`type**`: Type of events to retrieve. Possible values: `latest` (optional, default: all events).

- `**limit**`: Maximum number of events to retrieve per page (optional, default: 5).

- `**page**`: Page number of events to retrieve (optional, default: 0).

- **Success Response**:

- **Status Code**: 200 OK

- **Content**: An array of event objects in JSON format.

- **Error Response**:

- **Status Code**: 500 Internal Server Error

- **Content**: `{ "error": "Internal server error" }`

- **Description**: Returned when an unexpected error occurs while retrieving the events.

**Delete Event**

**Deletes a specific event by its ID.**

- **URL**: `/api/v3/app/events/:id`

- **Method**: DELETE

- **URL Parameters**:

- `**id**` (**required**): The ID of the event to delete.

- **Success** **Response**:

- **Status** **Code**: 200 OK

- **Content**: The result object from the database deletion.

**- Error Response:**

- **Status** **Code**: 200 OK

- **Content**: `"event not found"`

- **Description**: Returned when the event with the specified ID is not found.

**Update Event**

**Updates a specific event by its ID.**

- **URL**: `/api/v3/app/events/:id`

- **Method**: PUT

- **URL** Parameters:

**- `id` (required):**

**The ID of the event to update.**

- **Request** **Body**: JSON object representing the updated event data.

- Example:

{

"name": "Updated Event Name",

"description": "Updated event description",

"date": "2023-06-21",

"location": "Updated Event Location"

}

**- Success Response:**

- **Status** **Code**: 200 OK

- **Content**: `"Event updated successfully"`

**- Error Responses:**

- **Status** **Code**: 200 OK

- **Content**: `"Event not found"`

- **Description**: Returned when the event with the specified ID is not found.

- **Status** **Code**: 500 Internal Server Error

- **Content**: `"An error occurred while updating the event"`

- **Description**: Returned when an unexpected error occurs while updating the event.