Here's a complete API documentation for the **One Point Lesson** module, formatted for easy sharing with your frontend developer. 🚀

**📌 One Point Lesson API Documentation**

**Overview**

This API allows managing One Point Lessons (OPL), which include images, metadata, multilingual support, and document control.

**Base URL**

http://localhost:3000/api/one-point-lesson

**1️⃣ Upload a New One Point Lesson**

**Endpoint:**

POST /api/one-point-lesson

**Description:**

Uploads a new One Point Lesson with an image file.

**Headers:**

| **Key** | **Value** |
| --- | --- |
| Content-Type | multipart/form-data |

**Request Body (form-data):**

| **Key** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| title | String | ✅ Yes | Title of the lesson |
| description | String | ❌ No | Detailed description |
| language | String | ✅ Yes | Language code (e.g., en, fr, es) |
| image | File | ✅ Yes | Upload an image file (JPEG, PNG, etc.) |
| createdBy | String | ✅ Yes | Name of the person who created it |
| approvedBy | String | ❌ No | Name of the approver (optional) |

**Example Request (Form-Data in Postman):**

title: Safety Guidelines

description: Proper gear usage in production area

language: en

image: (Select a file)

createdBy: John Doe

approvedBy: Manager Name

**Example Response (201 Created)**

{

"\_id": "65be73c2f54a2e001b5678a1",

"title": "Safety Guidelines",

"description": "Proper gear usage in production area",

"language": "en",

"imageUrl": "/uploads/1707421623\_safety.png",

"createdBy": "John Doe",

"approvedBy": "Manager Name",

"approvalStatus": "Pending",

"createdAt": "2025-02-08T12:00:00.000Z"

}

**2️⃣ Get All One Point Lessons**

**Endpoint:**

GET /api/one-point-lesson

**Description:**

Fetches all One Point Lessons stored in the system.

**Response Example (200 OK)**

[

{

"\_id": "65be73c2f54a2e001b5678a1",

"title": "Safety Guidelines",

"description": "Proper gear usage in production area",

"language": "en",

"imageUrl": "/uploads/1707421623\_safety.png",

"createdBy": "John Doe",

"approvedBy": "Manager Name",

"approvalStatus": "Approved",

"createdAt": "2025-02-08T12:00:00.000Z"

},

{

"\_id": "65be73c2f54a2e001b5678b2",

"title": "Fire Safety",

"description": "Emergency fire evacuation plan",

"language": "fr",

"imageUrl": "/uploads/1707421700\_fire.png",

"createdBy": "Alice Smith",

"approvedBy": "HR Manager",

"approvalStatus": "Pending",

"createdAt": "2025-02-08T12:10:00.000Z"

}

]

**3️⃣ Get One Point Lessons by Language**

**Endpoint:**

GET /api/one-point-lesson/language/:language

**Description:**

Fetches One Point Lessons based on the selected language.

**URL Parameters:**

| **Parameter** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| language | String | ✅ Yes | Language code (en, fr, de, etc.) |

**Example Request:**

GET /api/one-point-lesson/language/en

**Example Response (200 OK)**

[

{

"\_id": "65be73c2f54a2e001b5678a1",

"title": "Safety Guidelines",

"description": "Proper gear usage in production area",

"language": "en",

"imageUrl": "/uploads/1707421623\_safety.png",

"createdBy": "John Doe",

"approvedBy": "Manager Name",

"approvalStatus": "Approved",

"createdAt": "2025-02-08T12:00:00.000Z"

}

]

**4️⃣ Update Approval Status of a One Point Lesson**

**Endpoint:**

PUT /api/one-point-lesson/:id

**Description:**

Updates the approval status of a One Point Lesson.

**URL Parameters:**

| **Parameter** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| id | String | ✅ Yes | The \_id of the lesson to update |

**Request Body (JSON):**

| **Key** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| approvalStatus | String | ✅ Yes | Must be "Pending", "Approved", or "Rejected" |
| approvedBy | String | ❌ No | Name of the approver (only if approved) |

**Example Request:**

{

"approvalStatus": "Approved",

"approvedBy": "Manager Name"

}

**Example Response (200 OK)**

{

"\_id": "65be73c2f54a2e001b5678a1",

"title": "Safety Guidelines",

"description": "Proper gear usage in production area",

"language": "en",

"imageUrl": "/uploads/1707421623\_safety.png",

"createdBy": "John Doe",

"approvedBy": "Manager Name",

"approvalStatus": "Approved",

"approvedAt": "2025-02-08T13:00:00.000Z",

"createdAt": "2025-02-08T12:00:00.000Z"

}

**5️⃣ Delete a One Point Lesson**

**Endpoint:**

DELETE /api/one-point-lesson/:id

**Description:**

Deletes a One Point Lesson by its ID.

**URL Parameters:**

| **Parameter** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| id | String | ✅ Yes | The \_id of the lesson to delete |

**Example Request:**

DELETE /api/one-point-lesson/65be73c2f54a2e001b5678a1

**Example Response (200 OK)**

{

"message": "One Point Lesson deleted successfully"

}

**📌 Summary of Endpoints**

| **Method** | **Endpoint** | **Description** |
| --- | --- | --- |
| POST | /api/one-point-lesson | Upload a new One Point Lesson |
| GET | /api/one-point-lesson | Get all One Point Lessons |
| GET | /api/one-point-lesson/language/:lang | Get lessons by language |
| PUT | /api/one-point-lesson/:id | Update approval status |
| DELETE | /api/one-point-lesson/:id | Delete a One Point Lesson |

**📌 Notes for Frontend Developer**

* The **image** should be sent as a **file** in multipart/form-data.
* Fetching lessons by language is useful for **multilingual support**.
* Approval is controlled with "Pending", "Approved", or "Rejected" status.
* Store the imageUrl to display images on the frontend.

This documentation ensures a **smooth API integration** between the backend and frontend. 🚀