

Intelligent Document Analysis API Documentation

Welcome to the Intelligent Document Analysis API. This API provides powerful functionalities for analyzing images, extracting handwritten and printed text, and performing various analyses on images.

Authentication

This API uses JWT Bearer Token authentication. To access the endpoints, you need to include a valid JWT token in the Authorization header of your HTTP requests.

Authentication Endpoints

Register

- **Endpoint:** `/api/auth/register`
- **Method:** `POST`
- **Parameters:**
 - `username`: User's username
 - `email`: User's email
 - `password`: User's password (Note: password should be atleast 8 characters long, should have a special character, a number and a capital letter)
- **Response:** Returns a JWT token upon successful registration (Note: The token will be valid for 3 hours).

Login

- **Endpoint:** `/api/auth/login`
- **Method:** `POST`
- **Parameters:**
 - `username`: User's username
 - `password`: User's password (Note: password using which the user was registered)
- **Response:** Returns a JWT token upon successful registration (Note: The token will be valid for 3 hours).

Utility Endpoints

Analyze Handwritten Text

- **Endpoint:** `/api/analysis/read/handwritten`
- **Method:** `POST`
- **Parameters:**
 - `Image`: Image file containing handwritten text
- **Description:** Extracts text from handwritten images.
- **Response:** Extracted text from the provided image.

Extract Printed Text

- **Endpoint:** `/api/analysis/read/printedText`
- **Method:** `POST`
- **Parameters:**
 - `Image`: Image file containing printed text
- **Description:** Performs Optical Character Recognition (OCR) to extract printed text from images.
- **Response:** Extracted printed text from the provided image.

Analyze Image

- Endpoint: `/api/analysis/image`
- Method: `POST`
- Parameters:
 - `Image`: Image file to be analyzed
- Description: Conducts a comprehensive analysis of the image.
- Response: Analysis results of the provided image.

Usage

Obtaining Access

To use the Intelligent Document Analysis API:

Authentication: Obtain a JWT token by registering or logging in using the above authentication endpoints.

Include Token: Include the obtained JWT token in the Authorization header of subsequent requests to access the desired endpoints.

Example Usage

Below is the swagger endpoint where you can run and check the endpoints available in our API.

[Swagger link](#)