

College Management API Documentation

Introduction

This document provides an overview of the API for the College Management System. The API enables user authentication, college data retrieval, and course details management.

Base URL

`http://localhost:3000`

Endpoints

Authentication

Login Endpoint:

- **URL:** `/api/auth/login`
- **Method:** POST
- **Description:** Authenticate a user and return a JWT token.

Signup Endpoint:

- **URL:** `/api/auth/signup`
- **Method:** POST
- **Description:** Create a new user account.

Colleges

Get Colleges Endpoint:

- **URL:** `/api/colleges`
- **Method:** GET
- **Description:** Retrieve a list of colleges filtered by city and/or state.

Get College Details Endpoint:

- **URL:** `/api/college_data/id`
- **Method:** GET
- **Description:** Retrieve placement data for a specific college.

Get College Courses Endpoint:

- **URL:** `/api/college_courses/id`
- **Method:** GET
- **Description:** Retrieve a list of courses offered by a specific college.

Swagger API Documentation

- **URL:** `/api-docs`
- **Method:** GET
- **Description:** View the Swagger API documentation for all endpoints.

Data Models

User

Field	Type	Example
id	Integer	1
name	String	John Doe
email	String	john.doe@example.com
createdAt	DateTime	2023-12-31T12:00:00Z
updatedAt	DateTime	2023-12-31T12:00:00Z

College

Field	Type	Example
id	Integer	1
name	String	ABC College
score	Integer	850
city	String	New York
state	String	NY

College Placement

Field	Type	Example
id	Integer	1
collegeId	Integer	1
year	Integer	2023
highestPlacement	Float	120000.00
averagePlacement	Float	75000.00
medianPlacement	Float	60000.00
placementRate	Float	95.5

Course

Field	Type	Example
id	Integer	101
collegeId	Integer	1
courseName	String	Computer Science
courseDuration	String	4 years
courseFee	Float	15000.00

