API - CRUD

Brief

The task involves creating a RESTful API to facilitate Alumni Affairs, where alumni can register, log in, update, and delete their information. Additionally, the API allows current college students to view profiles of registered alumni. Try to implement as many of these.

Endpoints:

Alumni Registration (Create - POST):

Endpoint: `/api/alumni/register`

Description: Register a new alumni.

Request:

```json
jsonCopy code
POST /api/alumni/register
Content-Type: application/json

{
  "username": "john_doe",
  "password": "securepassword",
  "name": "John Doe",
  "graduationYear": 2020,
  "contactNumber": "123-456-7890",
  "email": "john.doe@example.com",
  "currentJob": "Software Engineer"
}
```

Response:

```json
jsonCopy code
Status: 201 Created
{
  "id": 1,
  "username": "john_doe",
  "name": "John Doe",
```

```
    "graduationYear": 2020,
    "contactNumber": "123-456-7890",
    "email": "john.doe@example.com",
    "currentJob": "Software Engineer"
  }
```

Alumni Login (Read - GET):

Endpoint: `/api/alumni/login`

Description: Authenticate alumni.

Request:

```
jsonCopy code
GET /api/alumni/login?username=john_doe&password=securepasswo
```

Response:

```
jsonCopy code
Status: 200 OK
{
  "id": 1,
  "username": "john_doe",
  "name": "John Doe",
  "graduationYear": 2020,
  "contactNumber": "123-456-7890",
  "email": "john.doe@example.com",
  "currentJob": "Software Engineer"
}
```

Alumni Profile Update (Update - PUT):

Endpoint: `/api/alumni/update/{alumniId}`

Description: Update alumni information.

Request:

```
jsonCopy code
PUT /api/alumni/update/1
```

```
Content-Type: application/json

{
  "contactNumber": "987-654-3210",
  "currentJob": "Senior Software Engineer"
}
```

Response:

```
jsonCopy code
Status: 200 OK
{
  "id": 1,
  "username": "john_doe",
  "name": "John Doe",
  "graduationYear": 2020,
  "contactNumber": "987-654-3210",
  "email": "john.doe@example.com",
  "currentJob": "Senior Software Engineer"
}
```

Alumni Deactivation (Delete - DELETE):

Endpoint: `/api/alumni/delete/{alumniId}`

Description: Deactivate alumni account.

Request:

```
jsonCopy code
DELETE /api/alumni/delete/1
```

Response:

```
jsonCopy code
Status: 204 No Content
```

View Alumni Profiles (Read - GET):

Endpoint: `/api/alumni/all`

Description: View profiles of all alumni (accessible to current college students).

Request:

```json
jsonCopy code
GET /api/alumni/all
```

Response:

```json
jsonCopy code
Status: 200 OK
[
  {
    "id": 1,
    "name": "John Doe",
    "graduationYear": 2020,
    "currentJob": "Senior Software Engineer"
  },
  // Other alumni profiles...
]
```