Search API Integration Guide

This guide details how to integrate the consolidated search functionality into the frontend application.

Overview

The search system has been consolidated into a unified controller. All search requests, whether for "Individual", "Corporate", or "Both", use the same underlying logic.

Base URL: `http://localhost:5000` (or your production URL) **Authentication**: Required (Bearer Token)

Endpoints

There are three endpoints available depending on your specific need:

Search Type	Endpoint	Method	Use Case
Global	`/search/unified`	`POST`	Search across **both** Individual and Corporate profiles at once.
Individual	`/individual-profile/search`	`POST`	Search **only** within Individual profiles.
Corporate	`/corporate-profile/search`	`POST`	Search **only** within Corporate profiles.

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1. Global Unified Search (`/search/unified`)

Use this when you want to show a combined list of results.

Request Body

```
{
    "customerName": "Jane",   // (Optional) Search by name (partial match, case-insensitive)
    "category": "all"         // (Optional, default: "all") Options: "all", "individual", "corporate"
}
```

Response

```
{
    "success": true,
    "count": {
        "total": 5,
        "individuals": 3,
        "corporates": 2
    },
    "results": {
        "individuals": [
            {
                "_id": "...",
                "customerName": "Jane Smith",
                "customerType": "Individual",
                "nationality": "UK",
                "dob": "1990-01-01",
                "createdAt": "2024-02-04T10:00:00.000Z"
                // ... other fields
            }
            // ... more individuals
        ],
        "corporates": [
            {
                "_id": "...",
                "customerName": "Jane's Bakery LLC",
                "customerType": "Corporate",
                "country": "UAE",
                "tradeLicenseNumber": "TL-123",
                "createdAt": "2024-02-04T11:00:00.000Z"
                // ... other fields
            }
            // ... more corporates
        ]
    }
}
```

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2. Individual Search (`/individual-profile/search`)

Use this on the "Individual Profiles" list page.

Request Body

```
{
    "customerName": "John"
}
```

Note: The `category` is automatically set to "individual" by the backend.

Response

```
{
    "success": true,
    "count": {
        "total": 10,
        "individuals": 10
    },
    "results": {
        "individuals": [ ... array of profiles ... ]
    }
}
```

3. Corporate Search (`/corporate-profile/search`)

Use this on the "Corporate Profiles" list page.

Request Body

```
{
    "customerName": "Tech"
}
```

Note: The `category` is automatically set to "corporate" by the backend.

Response

```
{
    "success": true,
    "count": {
        "total": 5,
        "corporates": 5
    },
    "results": {
        "corporates": [ ... array of profiles ... ]
    }
}
```

Key Notes for Integration

1. **Strict Isolation**: The API automatically filters results by the logged-in `userId`. Users will **never** see profiles created by other users.
2. **No Pagination**: The API returns **all** matching results. If the list is long, implementing client-side pagination or virtualization (e.g., React Window) is recommended.
3. **Fuzzy Search**: The `customerName` search is "contains" based (Regex) and case-insensitive. "Al" matches "Ali", "Alan", "Global", etc.