

API Documentation - Multi-Role User System

Base URL:

http://<your-domain>/api/

Authentication:

Type: JWT (JSON Web Token)

Header Format:

Authorization: Bearer <your_access_token>

Endpoints

1. Customer Registration

URL: /api/register/customer/

Method: POST

Description: Registers a new user with the CUSTOMER role.

Request Body:

```
{  
  "email": "customer@example.com",  
  "password": "securepassword",  
  "first_name": "John",  
  "last_name": "Doe",  
  "phone_number": "1234567890",  
  "city": "New York",  
  "state": "NY",  
  "customer_image": "<upload image file>"  
}
```

Response:

```
{  
  "message": "Customer registration successfully"  
}
```

2. Contractor Registration

URL: /api/register/contractor/

Method: POST

Description: Registers a new user with the CONTRACTOR role.

Request Body:

```
{  
  "email": "contractor@example.com",  
  "password": "securepassword",  
  "first_name": "Jane",  
  "last_name": "Smith",  
  "phone_number": "9876543210",  
  "city": "Los Angeles",  
  "state": "CA",  
  "contractor_image": "<upload image file>",  
  "rating": 4.7,  
  "experience": 5,  
  "address": "123 Contractor Ave"  
}
```

Response:

```
{  
  "message": "Contractor registration successfully"  
}
```

3. Supervisor Registration

URL: /api/register/supervisor/

Method: POST

Description: Registers a new user with the SUPERVISOR role.

Request Body:

```
{  
  "email": "supervisor@example.com",  
  "password": "securepassword",  
  "first_name": "Alice",  
  "last_name": "Johnson",  
  "phone_number": "4445556666",  
  "city": "Houston",  
  "state": "TX",  
  "supervisor_image": "<upload image file>",  
  "rating": 4.9,  
  "address": "456 Supervisor Blvd"  
}
```

Response:

```
{  
  "message": "Supervisor registration successfully"  
}
```

4. Login (JWT Token)

URL: /api/login/

Method: POST

Description: Authenticates a user and returns access and refresh tokens.

Request Body:

```
{  
  "email": "user@example.com",  
  "password": "securepassword"  
}
```

Response:

```
{  
  "refresh": "<refresh_token>",  
  "access": "<access_token>",  
  "email": "user@example.com"  
}
```

5. Get Profile

URL: /api/profile/

Method: GET

Description: Returns the authenticated user's profile, including extended data based on role.

Authentication Required: Yes (JWT)

Example (Customer):

```
{  
  "id": 1,  
  "email": "customer@example.com",  
  "first_name": "John",  
  "last_name": "Doe",  
  "phone_number": "1234567890",  
  "role": "CUSTOMER",  
  "profile_data": {
```

```
"user": {  
  "id": 1,  
  "email": "customer@example.com",  
  "first_name": "John",  
  "last_name": "Doe",  
  "phone_number": "1234567890",  
  "role": "CUSTOMER"  
},  
"city": "New York",  
"state": "NY",  
"customer_image": "/media/uploads/customer1.jpg"  
}  
}
```