Services and Requirments API Documentation

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1. List and Create Services

Endpoint: GET /services/
Description: List all available services.
Permissions: Admin or Read-Only for others.

Request Example:

http

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GET /services/

Authorization: Bearer <your_token>

Response Example:

json

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```
[
 {
   "id": 1,
   "name": "Plumbing",
   "description": "All plumbing related works",
   "image": "http://example.com/media/services/plumbing.jpg"
 },
 {
   "id": 2,
   "name": "Electrical",
   "description": "Electrical repairs and installations",
   "image": "http://example.com/media/services/electrical.jpg"
 }
]
```

Create Service (Admin only)
Endpoint: POST /services/

Request Body Example:

json

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```
{
  "name": "Painting",
  "description": "Wall painting and finishing",
  "image": null
}
```

Response Example (201 Created):

json

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```
{
  "id": 3,
  "name": "Painting",
  "description": "Wall painting and finishing",
  "image": null
}
```

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2. Retrieve, Update, or Delete a Service

Endpoint: GET /services/<id>/
Description: Retrieve service details by ID.
Permissions: Admin or Read-Only.

Example:

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```
GET /services/1/
Authorization: Bearer <your_token>
```

Response:

json

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```json
{
  "id": 1,
  "name": "Plumbing",
  "description": "All plumbing related works",
  "image": "http://example.com/media/services/plumbing.jpg"
}
```

Update or Delete requires Admin permissions.

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3. List and Create Requirements

Endpoint: GET /requirments/
Description: List all requirements.
Permissions: Supervisor or Admin or Read-Only.

Request Example:

http

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GET /requirments/

Authorization: Bearer <your_token>

Response Example:

json

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```json
[
  {
    "id": 1,
    "name": "Safety Gear",
    "description": "Protective equipment required",
    "image": "http://example.com/media/requirments/safety_gear.jpg"
  }
]
```

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4. List Contractor's Services

Endpoint: GET /contractor/services/
Description: List all services added by the logged-in contractor.
Permissions: Authenticated contractor only.

Request Example:

http

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GET /contractor/services/

Authorization: Bearer <contractor_token>

Response Example:

json

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```
[
  {
    "service": {
      "id": 1,
      "name": "Plumbing",
      "description": "All plumbing related works",
      "image": "http://example.com/media/services/plumbing.jpg"
    },
    "added_on": "2025-06-01T10:15:30Z"
  }
]
```

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5. Add Service to Contractor's List

Endpoint: POST /contractor/services/add/
Description: Add a new service to the logged-in contractor's profile.
Permissions: Only authenticated contractors.

Request Body Example:

json

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```
{
```

```
  "service_id": 2
}
```

Response Example (201 Created):

json

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```
{
  "message": "Service added successfully."
}
```

Errors:

- 403 if the user is not a contractor.
- 400 if validation fails.

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6. Remove Service from Contractor's List

Endpoint: DELETE /contractor/services/<service_id>/remove/
Description: Remove a service from the logged-in contractor's list.
Permissions: Authenticated contractors only.

Request Example:

http

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```
DELETE /contractor/services/2/remove/
Authorization: Bearer <contractor_token>
```

Response Example (204 No Content):

json

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```
{
  "message": "Service removed successfully."
}
```

Errors:

- 403 if user is not a contractor.
- 404 if the service is not found for the contractor.

7. List Contractors Offering a Service

Endpoint: GET /services/<service_id>/contractors/
Description: Get all contractors linked to a given service.
Permissions: Open to all users.

Request Example:

http

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GET /services/1/contractors/

Response Example:

json

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```
{
  "id": 1,
  "name": "Plumbing",
  "description": "All plumbing related works",
  "image": "http://example.com/media/services/plumbing.jpg",
  "contractors": [
    {
      "id": 1,
      "city": "New York",
      "state": "NY",
      "contractor_image": "http://example.com/media/contractors/john.jpg",
      "rating": "4.75",
      "experience": 5,
      "address": "123 Main St",
      "user": {
        "id": 10,
        "email": "john@example.com",
        "first_name": "John",
```

```json
            "last_name": "Doe",

            "phone_number": "555-1234",

            "role": "CONTRACTOR"
        }
    }
 ]
}
```