**GasUtility Service API Documentation**

Introduction

Welcome to the GasUtility Service API documentation. This API allows users to manage customer service requests and customers for gas-related services.

Base URL

All endpoints described in this document are relative to the base URL of the application. The base URL is assumed to be: **http://127.0.0.1:8000**

Authentication

Authentication details and requirements are not provided in this example. Ensure to implement proper authentication mechanisms before deploying these APIs to a production environment.

API Endpoints

1. Service Requests

List all Service Requests

Endpoint: /servicerequests/

Method: GET

Description: Retrieve a list of all service requests.

Response:

Status: 200 OK

Body: List of service requests.

Create a New Service Request

Endpoint: /servicerequests/

Method: POST

Description: Create a new service request.

Request Body Example:

json

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{

    "account": 1,

    "customer": "Pratik",

    "Service\_Type": "Gas Leak",

    "request\_detials": "Gas Leak",

    "attachment": null,

    "submitted\_at": "2023-08-18T04:56:37.291407Z"

}

Response:

Status: 201 Created

Body: Object with the tracking number for the created service request.

Track Service Request Status

Endpoint: /track/<tracking\_no>/

Method: GET

Description: Get the status and resolved date of a specific service request.

Response:

Status: 200 OK

Body Example:

json

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{

    "tracking\_no": "4cd6fe8c-1364-4d8e-9373-1f07a0987fcc",

    "statuses": [

        "Resolved"

    ],

    "resolved\_date": "2023-08-18 09:45:07"

}

Response: Object with tracking number, statuses, and resolved date (if available).

2. Customers

List all Customers

Endpoint: /customers/

Method: GET

Description: Retrieve a list of all customers.

Response:

Status: 200 OK

Body: List of customers.

Create a New Customer

Endpoint: /customers/

Method: POST

Description: Create a new customer.

Response:

Status: 201 Created

3. Admin Panel

Add Tracking Status

Endpoint: /admin/app1/trackstatus/

Method: POST

Description: Add details of a service request to the TrackStatus model (Admin Panel only). Need to update at both ServiceRequest as well as trackstatus.

Request Body:

tracking\_no: Tracking number of the service request.

status: Status of the service request.

resolved\_at: Resolved date of the service request (optional).

Response:

Status: 201 Created

Body: Object with the created tracking status details.

Update Tracking Status

Endpoint: /admin/update\_tracking\_status/<int:pk>/

Method: PATCH

Description: Update the status and resolved date of a service request in the TrackStatus model (Admin Panel only).

Request Body:

status: Updated status of the service request.

resolved\_at: Updated resolved date of the service request (optional).

Response:

Status: 200 OK

Body: Object with the updated tracking status details.

Conclusion

This document outlines the available APIs for the GasUtility Service. Users can use these endpoints to manage service requests and customers, and track the status of their service requests. Admins can use the Admin Panel endpoints to add and update tracking status details. Ensure proper authentication and authorization mechanisms are implemented before deploying these APIs to a production environment.