**RWANDA POLICY LINK SERVER API DOCUMENTATION**

**Overview**

This document provides an overview of the available API endpoints for managing institutions, departments, and policies. Each endpoint's URL, HTTP method, request parameters, and response format are detailed.

**Base URL: http://127.0.0.1:9000**

All API endpoints are prefixed with:

bash

Copy code

/api/

**Institutions**

**1. View All Institutions**

* **URL**: /api/view\_all\_institutions/
* **Method**: GET
* **Description**: Fetches a list of all institutions.
* **Response**:

json

Copy code

{

"institutions": [

{"id": 1, "name": "Institution 1", "type": "Type A"},

{"id": 2, "name": "Institution 2", "type": "Type B"},

...

]

}

**2. Add Institution**

* **URL**: /api/add\_institution/
* **Method**: POST
* **Description**: Adds a new institution.
* **Request Body**:

json

Copy code

{

"name": "New Institution",

"type": "Type A"

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Institution added successfully",

"id": 123

}

* + Failure:

json

Copy code

{

"message": "Institution with this name already exists"

}

**3. Update Institution**

* **URL**: /api/update\_institution/
* **Method**: POST
* **Description**: Updates an existing institution.
* **Request Body**:

json

Copy code

{

"name": "Existing Institution",

"type": "New Type"

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Institution updated successfully"

}

* + Failure:

json

Copy code

{

"message": "Institution not found"

}

**4. Delete Institution**

* **URL**: /api/delete\_institution/
* **Method**: POST
* **Description**: Deletes an institution.
* **Request Body**:

json

Copy code

{

"name": "Institution to Delete"

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Institution deleted successfully"

}

* + Failure:

json

Copy code

{

"message": "Institution not found"

}

**5. Get Institutions by Type**

* **URL**: /api/get\_institutions\_by\_type/
* **Method**: GET
* **Description**: Fetches institutions by their type.
* **Request Params**:
  + type: The type of institutions to fetch.
* **Response**:

json

Copy code

{

"institutions": [

{"id": 1, "name": "Institution 1", "type": "Type A"},

...

]

}

**Departments**

**1. View All Departments**

* **URL**: /api/view\_all\_departments/
* **Method**: GET
* **Description**: Fetches a list of all departments.
* **Response**:

json

Copy code

{

"departments": [

{"id": 1, "name": "Department 1", "institutionId": 1},

...

]

}

**2. Add Department**

* **URL**: /api/add\_department/
* **Method**: POST
* **Description**: Adds a new department.
* **Request Body**:

json

Copy code

{

"name": "New Department",

"institution": "Institution Name"

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Department added successfully",

"id": 123

}

* + Failure:

json

Copy code

{

"message": "Institution not found"

}

**3. Update Department**

* **URL**: /api/update\_department/
* **Method**: POST
* **Description**: Updates an existing department.
* **Request Body**:

json

Copy code

{

"name": "Existing Department",

"institution\_name": "Institution Name",

"new\_name": "Updated Department Name"

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Department updated successfully"

}

* + Failure:

json

Copy code

{

"message": "Department not found for the specified institution"

}

**4. Delete Department**

* **URL**: /api/delete\_department/
* **Method**: POST
* **Description**: Deletes a department.
* **Request Body**:

json

Copy code

{

"name": "Department to Delete",

"institution\_name": "Institution Name"

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Department deleted successfully"

}

* + Failure:

json

Copy code

{

"message": "Department not found for the specified institution"

}

**5. Get Departments by Institution Name**

* **URL**: /api/get\_departments\_by\_institution\_name/
* **Method**: GET
* **Description**: Fetches departments by the institution's name.
* **Request Params**:
  + name: The name of the institution.
* **Response**:

json

Copy code

{

"departments": [

{"id": 1, "name": "Department 1"},

...

]

}

**Policies**

**1. View All Policies**

* **URL**: /api/view\_all\_policies/
* **Method**: GET
* **Description**: Fetches a list of all policies.
* **Response**:

json

Copy code

{

"policies": [

{"id": 1, "name": "Policy 1", "departmentId": 1, "description": "Description of policy 1"},

...

]

}

**2. Add Policy**

* **URL**: /api/add\_policy/
* **Method**: POST
* **Description**: Adds a new policy.
* **Request Body**:

json

Copy code

{

"name": "New Policy",

"description": "Policy description",

"department\_name": "Department Name",

"institution\_name": "Institution Name"

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Policy added successfully",

"id": 123

}

* + Failure:

json

Copy code

{

"message": "Department not found for the specified institution"

}

**3. Update Policy**

* **URL**: /api/update\_policy/
* **Method**: POST
* **Description**: Updates an existing policy.
* **Request Body**:

json

Copy code

{

"policy\_id": 123,

"new\_name": "Updated Policy Name",

"new\_description": "Updated Description"

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Policy updated successfully"

}

* + Failure:

json

Copy code

{

"message": "Policy not found"

}

**4. Delete Policy**

* **URL**: /api/delete\_policy/
* **Method**: POST
* **Description**: Deletes a policy.
* **Request Body**:

json

Copy code

{

"policy\_id": 123

}

* **Response**:
  + Success:

json

Copy code

{

"message": "Policy deleted successfully"

}

* + Failure:

json

Copy code

{

"message": "Policy not found"

}

**5. Get Policies by Department Name**

* **URL**: /api/get\_policies\_by\_department\_name/
* **Method**: GET
* **Description**: Fetches policies by the department's name.
* **Request Params**:
  + name: The name of the department.
* **Response**:

json

Copy code

{

"policies": [

{"id": 1, "name": "Policy 1", "description": "Description of policy 1"},

...

]

}