**API methods and formats for REST calls for Contact Diary:**

1. **GET** – (all contacts)

**URL**: http://localhost:5000/api/contact/

**Output**:  
[

{

"id": 1,

"name": "Johnathan",

"number": "9876543210",

"email": "john@test.com"

},

{

"id": 3,

"name": "Jack",

"number": "5176554544",

"email": "jack\_new\_email@test.com"

},

{

"id": 4,

"name": "Emily",

"number": "4837438743",

"email": "emily@test.com"

}

]

1. **GET** – (by id)

**URL**: [http://localhost:5000/api/contact/{id}](http://localhost:5000/api/contact/%7bid%7d)

**Output**:  
{

"id": 3,

"name": "Jack",

"number": "5176554544",

"email": "jack @test.com"

}

1. **GET** – (by name)

**URL**: <http://localhost:5000/api/contact/byName/Jack>

**Output**:

{

"id": 3,

"name": "Jack",

"number": "5176554544",

"email": "jack @test.com"

}

1. **POST** –

**URL**: http://localhost:5000/api/contact

**Request Body:**

{

"name": "Emily",

"number": "4837438743",

"email": "emily@test.com"

}

**Content-Type: application/json**

**Output:**

{

"id": 4,

"name": "Emily",

"number": "4837438743",

"email": "emily@test.com"

}

1. **PUT** –

**URL**: http://localhost:5000/api/contact/{id}

**Request Body:**

{

"id": 3,

"name": "Jack",

"number": "5176554544",

"email": "jack\_new\_email@test.com"

}

**Content-Type: application/json**

**Output**:

{

"id": 3,

"name": "Jack",

"number": "5176554544",

"email": "jack\_new\_email@test.com"

}

1. **PATCH -**

**URL**: http://localhost:5000/api/contact/{id}

**Request Body:**

[{

"op": "replace",

"path": "/Name",

"value": "Johnathan"

}]

**Content-Type: application/json**

**Output**:

{

"id": 1,

"name": "Johnathan",

"number": "9876543210",

"email": "john@test.com"

}

1. **DELETE -**

**URL**: http://localhost:5000/api/contact/{id}

**Output**:

Contact Successfully Deleted!