

# Contacts CRUD API — Testing Report

---

API Endpoint Testing via curl | February 13, 2026

**Student:** Nana Yirenkyi

**Project:** Contacts CRUD API (Library API)

**GitHub:** <https://github.com/NanaKY931/Library-API>

**Deployed API:** <http://169.239.251.102:280/~nana.yirenkyi/uploads/actions/>

**Database:** MySQL 8.0.45 — mobileapps\_2026B\_nana\_yirenkyi

## 1. Read All Records

## GET — read\_all.php

✓ PASS

## CURL COMMAND

```
curl http://169.239.251.102:280/~nana.yirenyki/uploads/actions/read_all.php
```

## JSON RESPONSE

```
{
  "success": true,
  "data": [
    {
      "id": 1,
      "name": "Kwame Asante",
      "phone": "0241234567",
      "email": "kwame.asante@email.com",
      "created_at": "2026-02-13 20:47:14"
    },
    {
      "id": 2,
      "name": "Ama Mensah",
      "phone": "0559876543",
      "email": "ama.mensah@email.com",
      "created_at": "2026-02-13 20:47:14"
    }
  ]
}
```

Returns all 2 seed contacts with their IDs, names, phones, emails, and timestamps.

## 2. Read One Record

## GET — read\_one.php?id=1

✓ PASS

## CURL COMMAND

```
curl "http://169.239.251.102:280/~nana.yirenkyi/uploads/actions/read_one.php?id=1"
```

## JSON RESPONSE

```
{
  "success": true,
  "data": {
    "id": 1,
    "name": "Kwame Asante",
    "phone": "0241234567",
    "email": "kwame.asante@email.com",
    "created_at": "2026-02-13 20:47:14"
  }
}
```

## GET — read\_one.php?id=999 (Not Found)

✓ PASS

## CURL COMMAND

```
curl "http://169.239.251.102:280/~nana.yirenkyi/uploads/actions/read_one.php?id=999"
```

## JSON RESPONSE

```
{
  "success": false,
  "error": "not found"
}
```

Correctly returns an error for a non-existent ID.

### 3. Create Record + Verification

#### POST — create.php

✓ PASS

##### CURL COMMAND

```
curl -X POST http://169.239.251.102:280/~nana.yirenkyi/uploads/actions/create.php \  
-d "name=Daniel Mensah" \  
-d "phone=0240000000" \  
-d "email=daniel.mensah@email.com"
```

##### JSON RESPONSE

```
{  
  "success": true,  
  "data": {  
    "id": 4  
  }  
}
```

#### Verification — Read All After Create

✓ PASS

##### CURL COMMAND

```
curl http://169.239.251.102:280/~nana.yirenkyi/uploads/actions/read_all.php
```

##### JSON RESPONSE

```
{  
  "success": true,  
  "data": [  
    {"id": 1, "name": "Kwame Asante", "phone": "0241234567", ...},  
    {"id": 2, "name": "Ama Mensah", "phone": "0559876543", ...},  
    {"id": 4, "name": "Daniel Mensah", "phone": "0240000000",  
      "email": "daniel.mensah@email.com",  
      "created_at": "2026-02-13 22:29:44"}  
  ]  
}
```

New contact (id=4) now appears in the list — create confirmed.

## 4. Update Record + Verification

### POST — update.php

✓ PASS

#### CURL COMMAND

```
curl -X POST http://169.239.251.102:280/~nana.yirenkyi/uploads/actions/update.php \  
  -d "id=4" \  
  -d "name=Daniel Updated" \  
  -d "phone=0209999999" \  
  -d "email=daniel.updated@email.com"
```

#### JSON RESPONSE

```
{  
  "success": true  
}
```

### Verification — Read All After Update

✓ PASS

#### CURL COMMAND

```
curl http://169.239.251.102:280/~nana.yirenkyi/uploads/actions/read_all.php
```

#### JSON RESPONSE

```
{  
  "success": true,  
  "data": [  
    {"id": 1, "name": "Kwame Asante", "phone": "0241234567", ...},  
    {"id": 2, "name": "Ama Mensah", "phone": "0559876543", ...},  
    {"id": 4, "name": "Daniel Updated", "phone": "0209999999",  
      "email": "daniel.updated@email.com",  
      "created_at": "2026-02-13 22:29:44"}  
  ]  
}
```

Contact id=4 now shows updated name, phone, and email — update confirmed.

## 5. Delete Record + Verification

POST — delete.php

✓ PASS

### CURL COMMAND

```
curl -X POST http://169.239.251.102:280/~nana.yirenyki/uploads/actions/delete.php \  
-d "id=4"
```

### JSON RESPONSE

```
{  
  "success": true  
}
```

## Verification — Read All After Delete

✓ PASS

## CURL COMMAND

```
curl http://169.239.251.102:280/~nana.yirenyi/uploads/actions/read_all.php
```

## JSON RESPONSE

```
{
  "success": true,
  "data": [
    {
      "id": 1,
      "name": "Kwame Asante",
      "phone": "0241234567",
      "email": "kwame.asante@email.com",
      "created_at": "2026-02-13 20:47:14"
    },
    {
      "id": 2,
      "name": "Ama Mensah",
      "phone": "0559876543",
      "email": "ama.mensah@email.com",
      "created_at": "2026-02-13 20:47:14"
    }
  ]
}
```

Contact id=4 has been removed. Only the 2 original contacts remain — delete confirmed.

## Summary

**All CRUD operations passed testing successfully:**

- ✓ Read All — returns all records with IDs
- ✓ Read One — returns single record by ID; handles "not found"
- ✓ Create — inserts new record, returns new ID; verified via Read All
- ✓ Update — modifies record by ID; verified via Read All
- ✓ Delete — removes record by ID; verified via Read All

**All responses are valid JSON. No plain text or raw boolean responses.**