

**Submitted by:**  
**Malaika Zulqarnain**

**PROJECT: Offline Music Player App - Database Backend**  
**TECH STACK: Node.js, Express, MongoDB, Mongoose**

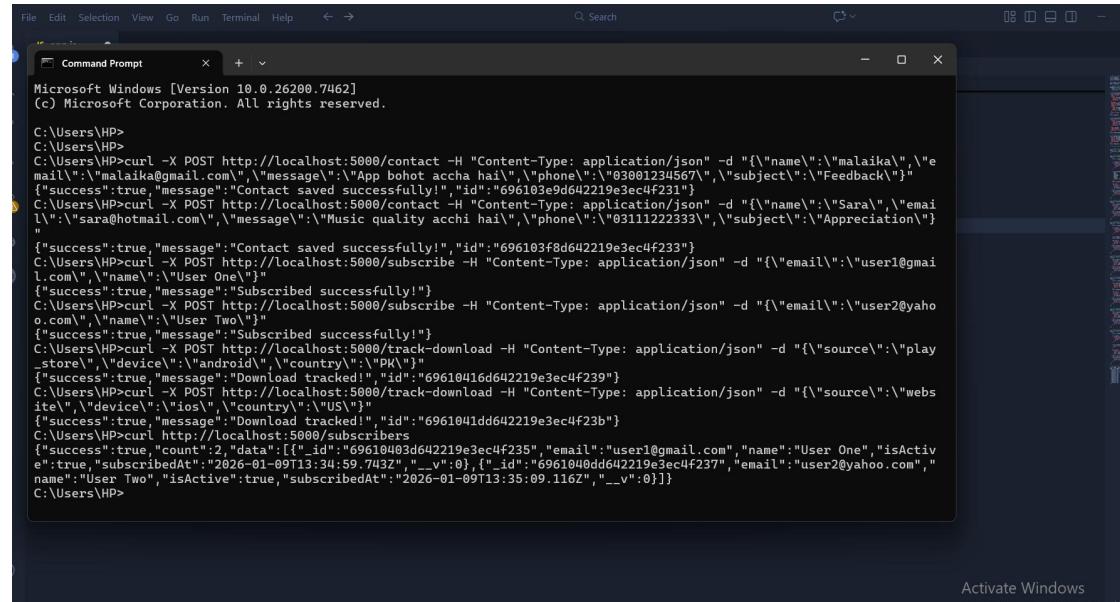
**DATABASE: offline\_music**

**CONNECTION: mongodb://localhost:27017/offline\_music**

**TOTAL COLLECTIONS: 3**

**COLLECTIONS OVERVIEW:**

```
├── analytics
|   └── Tracks app downloads by source, device, country
├── contacts |   └── Stores user contact form submissions
└── subscribers
    └── Manages newsletter email subscriptions
```



The screenshot shows a Microsoft Windows Command Prompt window with the title "Command Prompt". The window displays several curl commands being run against a local host at port 5000. The commands involve POST requests to various endpoints such as "/contact", "/subscribe", and "/track-download" with JSON payloads containing user information like names, emails, and device details. The responses from the server indicate successful operations like "Contact saved successfully!" and "Subscribed successfully!". The terminal also shows the path "C:\Users\HP>" and the Windows version "Microsoft Windows [Version 10.0.26200.7462]".

```
C:\Users\HP>
Microsoft Windows [Version 10.0.26200.7462]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>
C:\Users\HP>curl -X POST http://localhost:5000/contact -H "Content-Type: application/json" -d "{\"name\":\"malaika\",\"email\":\"malaika@gmail.com\",\"message\":\"App bohot accha hai\",\"phone\":\"03001234567\",\"subject\":\"Feedback\"}"
{"success":true,"message":"Contact saved successfully!","id":"696103e9d642219e3ec4f231"}
C:\Users\HP>curl -X POST http://localhost:5000/contact -H "Content-Type: application/json" -d "{\"name\":\"Sara\",\"email\":\"sara@hotmail.com\",\"message\":\"Music quality acchi hai\",\"phone\":\"03111223333\",\"subject\":\"Appreciation\"}"
{"success":true,"message":"Contact saved successfully!","id":"696103f8d642219e3ec4f233"}
C:\Users\HP>curl -X POST http://localhost:5000/subscribe -H "Content-Type: application/json" -d "{\"email\":\"user1@gmail.com\",\"name\":\"User One\"}"
{"success":true,"message":"Subscribed successfully!"}
C:\Users\HP>curl -X POST http://localhost:5000/subscribe -H "Content-Type: application/json" -d "{\"email\":\"user2@yahoo.com\",\"name\":\"User Two\"}"
{"success":true,"message":"Subscribed successfully!"}
C:\Users\HP>curl -X POST http://localhost:5000/track-download -H "Content-Type: application/json" -d "{\"source\":\"play_store\",\"device\":\"android\",\"country\":\"PK\"}"
{"success":true,"message":"Download tracked!","id":"69610416d642219e3ec4f239"}
C:\Users\HP>curl -X POST http://localhost:5000/track-download -H "Content-Type: application/json" -d "{\"source\":\"website\",\"device\":\"ios\",\"country\":\"US\"}"
{"success":true,"message":"Download tracked!","id":"6961041dd642219e3ec4f23b"}
C:\Users\HP>curl http://localhost:5000/subscribers
{"success":true,"count":2,"data":[{"_id":"69610403d642219e3ec4f235","email":"user1@gmail.com","name":"User One","isActive":true,"subscribedAt":"2026-01-09T13:34:59.743Z","_v":0},{"_id":"6961040dd642219e3ec4f237","email":"user2@yahoo.com","name":"User Two","isActive":true,"subscribedAt":"2026-01-09T13:35:09.116Z","_v":0}]}
C:\Users\HP>
```

```

Command Prompt - node app.x + ▾
Microsoft Windows [Version 10.0.26200.7462]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>cd C:\Users\HP\OneDrive\Desktop\music-app

C:\Users\HP\OneDrive\Desktop\music-app>node app.js
[dotenv@17.2.3] injecting env (2) from .env -- tip: ✨ add observability to secrets: https://dotenvx.com/ops
📝 Server running on: http://localhost:5000
📁 Your Folder: C:\Users\HP\OneDrive\Desktop\music-app
🌐 Available APIs:
  • GET /           - Home page
  • POST /contact  - Save contact
  • GET /contacts  - Get all contacts
  • GET /contacts/search?email=... - Search contacts
  • POST /subscribe - Newsletter subscribe
  • GET /subscribers - Get all subscribers
  • POST /track-download - Track app download
  • GET /analytics - Get download analytics
MongoDB Connected!

```

```

localhost:5000/contacts
etty-print □

success:true,"count":4,"data":[{"status":"pending","_id":"6960fbef9cdc88b8080981d05","name":"HP User","email":"hp@test.com","message":"Testing from HP desktop","date":"2026-01-09T13:00:24.518Z","__v":0}, {"status":"pending","_id":"6960ff39cdc88b8080981d08","name":"Ali","email":"ali@test.com","message":"App accha hai","date":"2026-01-09T13:14:33.312Z","__v":0}, {"status:"pending","_id":"6960ff39cdc88b8080981d09","name":"Sara","email":"sara@hotmail.com","message":"App bichha hai","phone":09891234567,"subject":"Feedback","status":"pending","date":"2026-01-09T13:34:33.535Z","__v":0}, {"status:"pending","_id":"6960ff39cdc88b8080981d09","name":"Sara","email":"sara@hotmail.com","message":"Music quality acchi i", "phone":03111222333,"subject":"Appreciation","status":"pending","date":"2026-01-09T13:34:46.879Z","__v":0}]}

```

MongoDB Compass - localhost:27017/offline\_musicanalytics

Connections Edit View Collection Help

Compass

localhost:27017 > offline\_music > analytics

Documents 2 Aggregations Schema Indexes 1 Validation

**ADD DATA** EXPORT DATA UPDATE DELETE

Type a query: { field: 'value' } or Generate query ↗ Explain Reset Find Options ↗

**Analytics**

_id	source	device	country	downloadDate	__v
<code>_id: ObjectId('69610416d642219e3ec4f239')</code>	"play_store"	"android"	"PK"	<code>2026-01-09T13:35:18.240+00:00</code>	0
<code>_id: ObjectId('6961041dd642219e3ec4f23b')</code>	"website"	"ios"	"US"	<code>2026-01-09T13:35:25.070+00:00</code>	0

Welcome contacts

localhost:27017 > offline\_music > contacts

Documents 4 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query +](#)

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

Explain Reset Find Options ▾

25 ▾ 1 – 4 of 4

```
_id: ObjectId('6960ff39cdc88b8080981d05')
name: "HP User"
email: "hp@test.com"
message: "Testing from HP desktop"
date: 2026-01-09T13:00:24.518+00:00
__v: 0
```

```
_id: ObjectId('6960ff39cdc88b8080981d08')
name: "ayesha"
email: "ali@test.com"
message: "App accha hai"
date: 2026-01-09T13:14:33.312+00:00
__v: 0
```

```
_id: ObjectId('696103e9d642219e3ec4f231')
name: "malaika"
email: "malaika@gmail.com"
message: "App bohot accha hai"
phone: "+91 9876543210"
subject: "Feedback"
status: "pending"
date: 2026-01-09T13:34:33.535+00:00
__v: 0
```

```
_id: ObjectId('696103f8d642219e3ec4f233')
__v: 0
```

Activate Windows  
Go to Settings to activate Windows.

MongoDB Compass - localhost:27017/offline\_music.subscribers

Connections Edit View Collection Help

Compass

My Queries Data Modeling

localhost:27017 > offline\_music > subscribers

Documents 2 Aggregations Schema Indexes 2 Validation

Type a query: { field: 'value' } or [Generate query +](#)

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

Explain Reset Find Options ▾

25 ▾ 1 – 2 of 2

```
_id: ObjectId('69610403d642219e3ec4f235')
email: "user1@gmail.com"
name: "User One"
isActive: true
subscribedAt: 2026-01-09T13:34:59.743+00:00
__v: 0
```

```
_id: ObjectId('6961040dd642219e3ec4f237')
email: "user2@yahoo.com"
name: "User Two"
isActive: true
subscribedAt: 2026-01-09T13:35:09.116+00:00
__v: 0
```

Activate Windows  
Go to Settings to activate Windows.

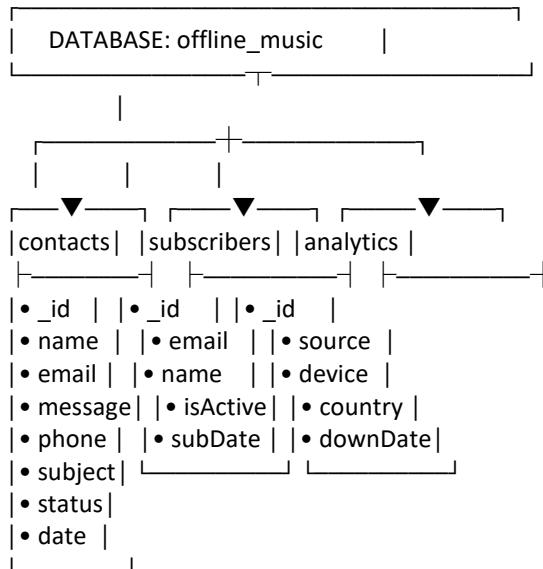
```

Command Prompt
Microsoft Windows [Version 10.0.26200.7462]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>curl http://localhost:5000
Music App Working from C:\Users\HP\OneDrive\Desktop\music-app
C:\Users\HP>curl http://localhost:5000/contacts
{"success":true,"count":4,"data":[{"status":"pending","_id":"6960fb8cdc88b8080981d05","name":"HP User","email":"hp@test.com","message":"Testing from HP desktop","date":"2026-01-09T13:00:24.518Z","_v":0},{"status":"pending","_id":"6960ff39cdc88b8080981d08","name":"ayesha","email":"ali@test.com","message":"App accha hai","date":"2026-01-09T13:14:33.312Z","_v":0},{"status":"pending","_id":"696103e9d642219e3ec4f231","name":"malaika","email":"malaika@gmail.com","message":"App bohot accha hai","phone":"03001234567","subject":"Feedback","date":"2026-01-09T13:34:33.535Z","_v":0},{"status":"pending","_id":"696103f8d642219e3ec4f233","name":"Sara","email":"sara@hotmail.com","message":"Music quality acchi hai","phone":"03111222333","subject":"Appreciation","date":"2026-01-09T13:34:48.879Z","_v":0}]}
C:\Users\HP>curl "http://localhost:5000/contacts/search?email=malaika@gmail.com"
{"success":true,"count":1,"data":[{"_id":"696103e9d642219e3ec4f231","name":"malaika","email":"malaika@gmail.com","message":"App bohot accha hai","phone":"03001234567","subject":"Feedback","status":"pending","date":"2026-01-09T13:34:33.535Z","_v":0}]}
C:\Users\HP>

```

### Database Schema Diagram



### RELATIONSHIPS:

- `contacts` —
- `subscribers` —| All in same database
- `analytics` —|