# API Testing Report

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## 1. Test User Signup API

Endpoint: POST /auth/signup

### Modified Header Details:

{  
 "name": "Jane Doe",  
 "email": "janedoe.com",  
 "mobile\_no": "9877548210",  
 "dob": "1998-08-22",  
 "gender": 1,  
 "password": "password123"  
}

### Postman Error:

{  
 "error": "Database error occurred!"  
}

### Terminal Error:

Database Error: Error: Duplicate entry 'janedoe.com' for key 'users.email'  
 at Packet.asError (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/packets/packet.js:740:17)  
 at Query.execute (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/commands/command.js:29:26)  
 at Connection.handlePacket (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/base/connection.js:475:34)  
 at PacketParser.onPacket (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/base/connection.js:93:12)  
 at PacketParser.executeStart (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/packet\_parser.js:75:16)  
 at Socket.<anonymous> (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/base/connection.js:100:25)  
 at Socket.emit (node:events:518:28)  
 at addChunk (node:internal/streams/readable:561:12)  
 at readableAddChunkPushByteMode (node:internal/streams/readable:512:3)  
 at Readable.push (node:internal/streams/readable:392:5) {  
 code: 'ER\_DUP\_ENTRY',  
 errno: 1062,  
 sqlState: '23000',  
 sqlMessage: "Duplicate entry 'janedoe.com' for key 'users.email'",  
 sql: "INSERT INTO users (name, email, mobile\_no, dob, gender, password) VALUES ('Jane Doe', 'janedoe.com', '9877548210', '1998-08-22', 1, '$2b$10$boGul3swy76w0cb85zKaqeLcsOUnrVqHnpG5/ZP3T9DMypmreV5UG')"  
}

### Points to Note (Errors):

1. Email validation is not applied at the backend.

2. Email validation is not enforced at the database level.

3. Mobile number validation is missing in the backend.

4. Incorrect error message is displayed when a duplicate email is used during signup.

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## 2. User Login API

Endpoint: POST /auth/login

### Points to Note (Errors):

1. Email validation is not applied at the backend.

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## 3. User Profile API

Endpoint: GET /auth/profile

✅ Works smoothly without any issues.

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## 4. Get User Info API (Age & Gender)

Endpoint: GET /auth/user-info

✅ Works smoothly without any issues.

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## 5. User Profile Update API

### Issue:

Updating the mobile number to an already existing mobile number in the database.

### Database Error:

Error: Duplicate entry '9876543210' for key 'users.mobile\_no'  
 at Packet.asError (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/packets/packet.js:740:17)  
 at Query.execute (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/commands/command.js:29:26)  
 at Connection.handlePacket (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/base/connection.js:475:34)  
 at PacketParser.onPacket (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/base/connection.js:93:12)  
 at PacketParser.executeStart (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/packet\_parser.js:75:16)  
 at Socket.<anonymous> (/Users/ujjwaltyagi/Desktop/Project/Heart-Disease-Prediction/backend/node\_modules/mysql2/lib/base/connection.js:100:25)  
 at Socket.emit (node:events:518:28)  
 at addChunk (node:internal/streams/readable:561:12)  
 at readableAddChunkPushByteMode (node:internal/streams/readable:512:3)  
 at Readable.push (node:internal/streams/readable:392:5) {  
 code: 'ER\_DUP\_ENTRY',  
 errno: 1062,  
 sqlState: '23000',  
 sqlMessage: "Duplicate entry '9876543210' for key 'users.mobile\_no'",  
 sql: "UPDATE users SET name = 'Jane Doe', mobile\_no = '9876543210', gender = 1, dob = '1998-08-22' WHERE id = 9"  
}

### Postman Error:

{  
 "error": "Database error occurred!"  
}

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## 6. AI Prediction API

✅ All tests passed successfully.

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## 7. AI Prediction History API

✅ All tests completed successfully.

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## Final Remarks:

• Major Issues Identified: Email and mobile number validation missing at both backend and database levels.

• Recommendation: Implement strict validation checks and meaningful error handling to improve API reliability.