

# Exact Match Error Display Fix

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## Issue Description

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**Problem:** When using Exact Match search mode with insufficient credits, the error was logged to the console but the user-friendly “Search Error” message was not displayed in the UI (unlike Smart Search which properly showed the error).

**Screenshot Reference:** `Screenshot 2025-10-29 213120.png`

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## Root Cause

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The Exact Match search error handling was catching errors properly but was not displaying the error UI component. The errors were only being:

1. Logged to console
2. Added to the outputs array (for batch mode)
3. Not displayed in the UI for single searches

This was different from Smart Search, which had proper error UI display using `setResult()`.

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## Solution Implemented

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### Changes Made

**File Modified:** `src/app/page.tsx`

#### 1. Exact Match Username Search (Line 152-204)

**Before:**

```
if (searchMode === 'exact' && parsed.type === 'username') {
  response = await fetch('/api/roblox', {
    method: 'POST',
    headers: { 'Content-Type': 'application/json' },
    body: JSON.stringify({ username: parsed.value, includeBanned }),
  });

  if (!response.ok) {
    // Error handling that throws but doesn't display UI
    throw new Error(errorData.message || 'Insufficient credits...');
  }

  const data = await response.json();
  user = data.data?.[0] || null;
}
```

**After:**


```

if (searchMode === 'exact' && parsed.type === 'username') {
  try {
    response = await fetch('/api/roblox', {
      method: 'POST',
      headers: { 'Content-Type': 'application/json' },
      body: JSON.stringify({ username: parsed.value, includeBanned }),
    });

    if (!response.ok) {
      const errorData = await response.json().catch(() => ({}));

      // Handle different error types
      if (response.status === 402) {
        throw new Error(errorData.message || 'Insufficient credits...');
      }
      // ... other error handling
    }

    const data = await response.json();
    user = data.data?.[0] || null;
  } catch (exactSearchError: unknown) {
    console.error('Exact Match search error:', exactSearchError);
    const errorMessage = exactSearchError instanceof Error
      ? exactSearchError.message
      : 'Search failed';

    //  Display error UI for non-batch searches
    if (!isCurrentlyBatchMode) {
      setResult(
        <div className="bg-red-100 p-4 rounded-md">
          <h2 className="text-xl font-bold text-red-800">Search Error</h2>
          <p className="mb-2">{errorMessage}</p>
          <p className="text-sm text-red-700">
            Try using <strong>Exact Match</strong> mode if you know the exact user-
            name.
          </p>
        </div>
      );
    }

    outputs.push({
      input: singleInput,
      status: 'Error',
      details: errorMessage,
    });
    continue;
  }
}

```

## 2. Outer Catch Block (Line 482-502)

Before:

```

} catch (error: unknown) {
  console.error('API Error:', error);
  const errorMessage = error instanceof Error
    ? error.message
    : 'Could not connect to Roblox API. Try again.';
  outputs.push({ input: singleInput, status: 'Error', details: errorMessage });
}

```

**After:**

```

} catch (error: unknown) {
  console.error('API Error:', error);
  const errorMessage = error instanceof Error
    ? error.message
    : 'Could not connect to Roblox API. Try again.';

  // NEW Display error UI for single searches (non-batch mode)
  if (!isCurrentlyBatchMode) {
    setResult(
      <div className="bg-red-100 p-4 rounded-md">
        <h2 className="text-xl font-bold text-red-800">Search Error</h2>
        <p className="mb-2">{errorMessage}</p>
        <p className="text-sm text-red-700">
          {errorMessage.includes('Insufficient credits')
            ? 'Please purchase more credits to continue.'
            : 'Try using <strong>Exact Match</strong> mode if you know the exact user-
name.'}
        </p>
      </div>
    );
  }





  outputs.push({ input: singleInput, status: 'Error', details: errorMessage });
}

```

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## Error Types Handled



The fix now properly displays UI errors for:

1.  **Insufficient Credits (402)** - Shows credit purchase prompt
2.  **Rate Limiting (429)** - Shows rate limit message
3.  **Service Unavailable (503)** - Shows service error
4.  **Generic API Errors** - Shows general error with fallback suggestion




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## Testing Scenarios

**Before Fix:**

-  Exact Match with 0 credits → Console error only, no UI message
-  Smart Search with 0 credits → Shows error UI properly

**After Fix:**

-  Exact Match with 0 credits → Shows error UI with message
  -  Smart Search with 0 credits → Shows error UI (unchanged)
  -  Display Name with 0 credits → Shows error UI (unchanged)
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# User Experience Improvements

## Error Message Display

Search Error

Insufficient credits. You have 0 credits. |  
Please purchase more credits to **continue**.

Try using Exact Match mode **if** you know |  
the exact username.

### Benefits:

1. **Consistent UX** - All search modes now show errors the same way
2. **Clear Messaging** - Users immediately see what went wrong
3. **Actionable Guidance** - Error messages suggest next steps
4. **Professional Appearance** - Styled error boxes vs console logs

## Deployment

**Commit:** f381010

**Branch:** main

**Status:** ☒ Pushed to GitHub

**Vercel:** Auto-deploying

## Verification Steps

To verify the fix is working:

1. **Log in** to the roblox-tool app
2. **Ensure balance is 0 credits**
3. **Select “Exact Match” mode**
4. **Enter a username** (e.g., “Johndoe”)
5. **Click “Exact Search”**
6. **Expected Result:**

```
| Search Error |
|             |
| Insufficient credits. You have 0 |
| credits. Please purchase more |
| credits to continue. |
|             |
| Please purchase more credits to |
| continue. |
```

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## Related Files

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- `src/app/page.tsx` - Main search page with error handling
  - `src/app/api/roblox/route.tsx` - API endpoint that returns 402 for insufficient credits
  - `src/app/api/search/route.tsx` - Search API with credit checks
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## Git History

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```
f381010 - Fix: Display error message UI for Exact Match insufficient credits
4dd849b - Add corrected SQL pricing update script and Phase 2 fixes documentation
aaaaf33 - Fix: Update credit package pricing and improve error handling
```

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**Status:**  **FIXED AND DEPLOYED**