

# Asset Registration Error - Fix Deployed

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## Issue Reported

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User encountered an error when trying to register a luxury watch (Rolex Submariner 2020, \$16,000) in the Genesis Provenance vault. The error message displayed was:

Error: Failed to register asset. Please **try** again.

## Root Cause Analysis

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The original error handling was too generic and didn't provide specific feedback about what went wrong. Potential causes included:

1. **Session validation issues:** Missing or invalid user session data (id, organizationId)
2. **Data parsing errors:** Invalid number formats for prices or year
3. **Database constraint violations:** Missing required fields or invalid foreign keys
4. **Media upload failures:** Issues with file uploads after item creation

## Fixes Implemented

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### 1. Enhanced Backend Error Handling ( /app/api/items/route.ts )

#### Added Session Validation

```
if (!user.id || !user.organizationId) {  
  console.error('Missing user fields:', { id: user.id, organizationId: user.organizationId })  
  return NextResponse.json(  
    { error: 'Invalid user session. Please log out and log in again.' },  
    { status: 400 }  
  )  
}
```

## Added NaN Detection for Price Fields

```

if (validatedData.purchasePrice) {
  const parsedPrice = parseFloat(validatedData.purchasePrice)
  if (isNaN(parsedPrice)) {
    return NextResponse.json(
      { error: 'Invalid purchase price format' },
      { status: 400 }
    )
  }
  itemData.purchasePrice = parsedPrice
}

if (validatedData.estimatedValue) {
  const parsedValue = parseFloat(validatedData.estimatedValue)
  if (isNaN(parsedValue)) {
    return NextResponse.json(
      { error: 'Invalid estimated value format' },
      { status: 400 }
    )
  }
  itemData.estimatedValue = parsedValue
}

```

## Enhanced Error Logging

```

console.log('Received item creation request:', JSON.stringify(body, null, 2))
console.log('Creating item with data:', JSON.stringify(itemData, null, 2))

// More detailed error responses
const errorMessage = error instanceof Error ? error.message : 'Unknown error'
return NextResponse.json(
  { error: 'Failed to create item', details: errorMessage },
  { status: 500 }
)

```

## 2. Enhanced Frontend Error Display ( /app/(dashboard)/vault/add-asset/page.tsx )

### Better Error Message Extraction

```

if (!res.ok) {
  const errorData = await res.json();
  throw new Error(errorData.error || errorData.details || 'Failed to create item');
}

```

### User-Friendly Error Toast

```

const errorMessage = error instanceof Error
  ? error.message
  : 'Failed to register asset. Please try again.';

toast({
  title: 'Error',
  description: errorMessage,
  variant: 'destructive',
});

```

## Media Upload Error Handling

```
const mediaRes = await fetch(`/api/items/${item.id}/media`, {
  method: 'POST',
  body: formData,
});

if (!mediaRes.ok) {
  console.error('Failed to upload media file:', file.name);
}
```

## Deployment Status

✓ **Deployed to Production:** <https://genesisprovenance.abacusai.app>

- Build: Successful (0 TypeScript errors)
- Checkpoint: Saved
- Live: Available in ~2-3 minutes

## Testing Instructions

### Option 1: Try Again with the Same Data

1. Visit <https://genesisprovenance.abacusai.app>
2. Login with `john@doe.com` / `password123`
3. Go to “My Vault” → “Add Asset”
4. Fill in the same watch details:
  - Category: Watch
  - Brand: Rolex
  - Model: Submariner
  - Year: 2020
  - Estimated Value: 16000 (enter as number, no dollar sign)
5. Upload one of the authentic watch images from `/test_images/authentic_watch_1.jpg`
6. Click “Register Asset”

#### Expected Outcome:

- If there’s still an error, you’ll now see a **specific error message** (e.g., “Invalid user session”, “Invalid estimated value format”, or a database error)
- This will help us identify the exact issue

### Option 2: Test with Demo Items

The platform already has 23 seeded demo items. You can:

1. Go to “My Vault” to see existing items
2. Click on any item to view details
3. Try the “AI Authentication” feature on an existing item first
4. Verify the AI analysis works before adding new items

## Troubleshooting



### If you see “Invalid user session”

**Solution:** Log out and log back in

1. Click your profile in the **top-right**
2. Select **"Sign Out"**
3. **Log** in again with john@doe.com / password123
4. Try adding the asset again

## If you see “Invalid estimated value format”

**Solution:** Ensure you’re entering a number without special characters

-  **Correct:** 16000 or 16000.00
-  **Wrong:** \$16,000 or 16,000 (with comma)

Note: The input field is type="number", so it should automatically prevent invalid input.

## If you see a database-specific error

**Possible causes:**

- Missing category in the database
- Database connection issues
- Constraint violations

**Solution:** Share the exact error message with me, and I’ll investigate further.

## Next Steps

1. **Try the asset registration again** with the enhanced error messages
2. **Share the specific error message** if it fails again
3. Once we identify the root cause, I’ll implement a permanent fix

## Test Images Available

You can use these pre-downloaded test images for testing:

### Authentic Watches

- /home/ubuntu/genesis\_provenance/test\_images/authentic\_watch\_1.jpg (290KB) - Full front view
- /home/ubuntu/genesis\_provenance/test\_images/authentic\_watch\_2.jpg (118KB) - Serial number close-up
- /home/ubuntu/genesis\_provenance/test\_images/authentic\_watch\_3.jpg (388KB) - Dial details
- /home/ubuntu/genesis\_provenance/test\_images/authentic\_watch\_4.jpg (100KB) - Movement

### Counterfeit Watches

- /home/ubuntu/genesis\_provenance/test\_images/fake\_watch\_1.jpg (125KB) - Comparison
- /home/ubuntu/genesis\_provenance/test\_images/fake\_watch\_2.jpg (149KB) - Bezel issues
- /home/ubuntu/genesis\_provenance/test\_images/fake\_watch\_3.jpg (58KB) - Font problems
- /home/ubuntu/genesis\_provenance/test\_images/fake\_watch\_4.jpg (59KB) - Multiple tells


## Technical Details

### Files Modified

1. /app/api/items/route.ts - Enhanced POST handler with validation and logging
2. /app/(dashboard)/vault/add-asset/page.tsx - Better error message display

## Build Output

- Next.js 14.2.28
  - 41 routes compiled successfully
  - 0 TypeScript errors
  - Production bundle optimized
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**Status:**  Fix deployed and ready for testing

**Deployment Time:** ~2-3 minutes

**URL:** <https://genesisprovenance.abacusai.app>