Jetprint Integration - Complete Fix Summary

Issues Identified and Fixed

1. Category Enum Issue ✅ FIXED

Problem: Database schema was missing the `POD_PRODUCTS` category value, causing all POD product creations to fail with invalid enum errors.

Solution:

- Added `POD_PRODUCTS` to the Category enum in `prisma/schema.prisma`
- Updated product endpoints to use proper category mapping
- Added intelligent category detection based on product names/descriptions

Files Modified:

- `prisma/schema.prisma`
- `app/wp-json/wc/v3/products/route.ts`
- `app/wc-api/v3/products/route.ts`
- `lib/products.ts`

2. SKU Not Preserved ✅ FIXED

Problem: The SKU sent by Jetprint was being replaced with the product ID in the response, breaking Jetprint's product tracking.

Solution:
- Modified product creation to preserve the original SKU sent by Jetprint
- Updated WooCommerce mapper to return `product.sku` instead of `product.id`
- Store original SKU in metadata for reference

Files Modified:
- `app/wp-json/wc/v3/products/route.ts`
- `app/wc-api/v3/products/route.ts`
- `lib/woocommerce-mapper.ts`

3. Missing Error Logging ✅ FIXED

Problem: When product creation failed, there were no detailed logs to help debug the issue.

Solution:
- Added comprehensive error logging to both API endpoints
- Log includes timestamp, authenticated user, full request payload, and error details
- Error responses now include detailed error messages

Files Modified:
- `app/wp-json/wc/v3/products/route.ts`
- `app/wc-api/v3/products/route.ts`

4. Missing System Status Endpoint ✅ FIXED

Problem: Jetprint couldn't verify the WooCommerce connection status.

Solution:
- Created `/wp-json/wc/v3/system_status` endpoint
- Returns store information, authentication status, and POD integration readiness

Files Created:
- `app/wp-json/wc/v3/system_status/route.ts`

5. Missing Troubleshooting Information ✅ FIXED

Problem: No clear instructions or status information in the admin panel for debugging Jetprint issues.

Solution:
- Added comprehensive troubleshooting section to Jetprint admin page
- Shows API endpoints, store URL, and integration steps
- Added quick actions to copy store URL and view API keys

Files Modified:
- `app/admin/jetprint/page.tsx`

API Endpoints Now Available

Product Management

- **POST** `/wp-json/wc/v3/products` - Create new product (modern)
- **POST** `/wc-api/v3/products` - Create new product (legacy)
- **GET** `/wp-json/wc/v3/products` - List products (modern)
- **GET** `/wc-api/v3/products` - List products (legacy)

System Status

- **GET** `/wp-json/wc/v3/system_status` - Check connection and system info

OAuth

- **GET** `/wc-auth/v1/authorize` - OAuth authorization
- **POST** `/wc-auth/v1/access_token` - Get access token

Authentication

All API endpoints use **Basic Authentication** with the following format:

```
Authorization: Basic base64(consumer_key:consumer_secret)
```

Or via query parameters:

```
?consumer_key=ck_xxxxx&consumer_secret=cs_xxxxx
```

Testing Results

✅ **Product Creation Test:** Successfully created products with all fields preserved
✅ **SKU Preservation:** Original SKU is correctly returned in API response
✅ **Category Mapping:** Products correctly categorized as POD_PRODUCTS
✅ **Error Logging:** Detailed logs available for debugging
✅ **System Status:** Connection verification working

How to Use

Step 1: Get Your API Credentials

1. Go to Admin Panel → WooCommerce → API Keys
2. Copy your Consumer Key and Consumer Secret

Step 2: Configure Jetprint

1. In Jetprint dashboard, add your store URL: `https://basketballgearstore.abacusai.app`
2. Complete OAuth authorization or enter API credentials manually
3. Select API endpoint: `/wp-json/wc/v3/products` (recommended)

Step 3: Test Connection

1. Use the System Status endpoint to verify: `/wp-json/wc/v3/system_status`
2. Try creating a test product from Jetprint
3. Check Admin Panel → Jetprint tab to see synced products

Step 4: Monitor Logs

Server logs will show detailed information for each request:

```
[WooCommerce API] ===== NEW PRODUCT REQUEST =====
[WooCommerce API] Timestamp: 2025-10-28T03:27:32.039Z
[WooCommerce API] Auth User: cmh9vfvun0001nyotld264eic
[WooCommerce API] Product data received: {...}
[WooCommerce API] Creating product with SKU: jetprint-12345
[WooCommerce API] ✅ Created product: cmha0aapy0000ny5g6yb0dg5l - Custom Jersey
```

Troubleshooting

If product creation still fails:

1. **Check Authentication:**
   - Verify API keys are correct
   - Ensure OAuth flow completed successfully
   - Test with the system_status endpoint

2. **Check Product Data:**
   - Ensure product name is provided
   - Verify images are valid URLs
   - Check that price is a valid number

3. **Check Server Logs:**
   - All errors are logged with full details
   - Look for the error type and message
   - Check the product data that was sent

4. **Common Issues:**
   - Missing `name` field → Product name is required
   - Invalid `price` → Must be a valid number
   - Missing authentication → Check API credentials

Next Steps

1. ✅ Try publishing a product from Jetprint again
2. ✅ Check the Jetprint tab in admin panel to see synced products
3. ✅ Monitor server logs for any errors
4. ✅ Contact support if issues persist with log details

Support

If you continue to experience issues:
1. Check the Jetprint admin page for connection status
2. Review server logs for detailed error messages
3. Ensure all API credentials are correctly configured
4. Test with the system_status endpoint first

All systems are now fully functional and ready for Jetprint integration!