SOP Marketplace - Fixes and Features v2.0.2

Date: November 25, 2025

Summary

This update includes bug fixes and new features to improve the SOP Marketplace platform.

🐛 Bug Fixes

1. Dashboard Purchases Tab Error - FIXED ✅

Issue:
- When clicking on the "Purchases" tab in the dashboard, users encountered an "Application Error: a client-side exception has occurred" message.
- This happened when trying to access properties of deleted SOPs or authors.

Root Cause:
- The code was trying to access `purchase.sop.title` and `purchase.sop.author.name` without checking if these objects existed.
- If a SOP or author was deleted after a purchase was made, the references became null, causing the error.

Solution:
- Added proper null checks in `dashboard-client.tsx`
- Now displays "Deleted SOP" and "Unknown Author" for purchases with missing references
- The "View SOP" button is replaced with an "Unavailable" badge when the SOP no longer exists

Files Modified:
- `/app/dashboard/dashboard-client.tsx`

✨ New Features

2. SOP Document Attachments - NEW FEATURE ✅

Feature Description:
Sellers can now attach additional documents and files to their SOPs, such as:
- PDF instructions and guides
- Word documents (DOC, DOCX)
- Excel spreadsheets (XLS, XLSX)
- PowerPoint presentations (PPT, PPTX)
- Text files (TXT, CSV)
- Images (JPEG, PNG, GIF, WEBP)

Implementation Details:

Database Schema Updates

- Added `attachments` field to the `SOP` model in Prisma
- Stores attachment metadata as JSON: `[{name, cloud_storage_path, size, type}]`
- No migration required for existing data (nullable field)

API Endpoints

1. **New Upload Endpoint:** `/api/upload-attachment`
   - Accepts multiple file types (up to 10MB)
   - Returns attachment metadata after successful upload to S3
   - Validates file types and sizes

2. **Updated SOP Endpoints:**
   - `POST /api/sops` - Creates SOPs with attachments
   - `PATCH /api/sops/[id]` - Updates SOPs with attachments

3. **Enhanced Download Endpoint:** `/api/download`
   - Now redirects directly to S3 signed URLs
   - Supports filename parameter for better UX

User Interface

SOP Editor (`/sops/new` and `/sops/[id]/edit`):
- New "Additional Documents & Files" section below the main image
- Drag-and-drop file upload interface
- Shows attached files with:
- File name
- File size
- Remove button
- Accepts: PDF, DOC, DOCX, XLS, XLSX, PPT, PPTX, TXT, CSV, and images
- Maximum file size: 10MB

SOP Detail Page (`/sops/[id]`):
- New "Additional Documents" card in the sidebar
- Displays all attachments with:
- File icon
- File name
- File size
- Download icon
- Clicking an attachment downloads it directly
- Only shown when attachments exist

Technical Implementation

- TypeScript types updated in `lib/types.ts`
- New `Attachment` type for type safety
- Icons added: `Paperclip` , `FileText` , `Download`
- Files stored securely in AWS S3
- Uses existing S3 infrastructure

Files Modified:
- `/prisma/schema.prisma` - Added attachments field
- `/lib/types.ts` - Added Attachment type
- `/app/api/upload-attachment/route.ts` - New file upload endpoint

- `/app/api/sops/route.ts` - Handle attachments on create
- `/app/api/sops/[id]/route.ts` - Handle attachments on update
- `/app/api/download/route.ts` - Enhanced download with redirect
- `/app/sops/_components/sop-editor.tsx` - Upload UI
- `/app/sops/[id]/sop-detail-client.tsx` - Display UI

🧪 Testing Status

All Tests Passed ✅

- ✅ TypeScript compilation: No errors
- ✅ Production build: Successful
- ✅ Dev server: Running without errors
- ✅ API endpoints: All functioning
- ✅ UI rendering: No hydration errors

Manual Testing Checklist

- [x] Dashboard Purchases tab loads without errors
- [x] Purchases with deleted SOPs display gracefully
- [x] File upload in SOP editor works
- [x] Multiple attachments can be added
- [x] Attachments can be removed before saving
- [x] Attachments are saved with SOP
- [x] Attachments display on SOP detail page
- [x] Download links work correctly
- [x] File size and type validation works

📊 Impact Summary

Bug Fixes Impact:

- **Users Affected:** All users with purchases
- **Severity:** High (Application crash)
- **Status:** Resolved

New Feature Impact:

- **Target Users:** SOP sellers and buyers
- **Value:** Enhanced documentation and reference materials
- **Adoption:** Optional feature, no breaking changes

🚀 Deployment Notes

Requirements:

- No database migration required (Prisma auto-sync)

- No environment variable changes needed
- AWS S3 access already configured

Backward Compatibility:

- ✅ Fully backward compatible
- ✅ Existing SOPs continue to work
- ✅ No impact on existing purchases
- ✅ No impact on existing sessions

Rollout Strategy:

- Safe for immediate deployment
- No user action required
- Feature available immediately for new/edited SOPs

📝 User Documentation Updates Needed

For Sellers:

1. How to attach documents to SOPs
2. Supported file types and size limits
3. Best practices for supplementary materials

For Buyers:

1. How to access and download attachments
2. Where attachments are displayed

🔮 Future Enhancements

Potential Improvements:

1. Preview for PDF attachments
2. Bulk download all attachments
3. Version control for attachments
4. Attachment thumbnails
5. Drag-and-drop reordering
6. File type icons based on extension
7. Attachment search/filter

🏁 Conclusion

This update successfully:
- ✅ Fixed critical dashboard error
- ✅ Added document attachment capability
- ✅ Maintained system stability

- ✅ Passed all tests
- ✅ Ready for production deployment

Status: Production Ready
Version: v2.0.2
Build: Successful
Checkpoint: Saved