Invoice AI Module: Feature & Progress Summary

Module	Feature / Task	Current Status / Details
Frontend	Invoice Upload	Working; PDF/JPG/PNG drag & drop / file picker
	Invoice Extraction + Editable Review	Working; fields auto-filled, editable UI
	Add Row (Items)	Working; users can add new item/product rows
	Save as Draft	Working; saves the form data to browser localStorage
	Load Draft	Working; reloads previously saved draft from browser
	Download as Excel (with Validation)	Working; validates required fields, downloads .xlsx
	Reset	Working; resets form & UI to initial upload state
Backend	File Receive API	Working; `/process-invoice` receives invoice files
	OCR Extraction (Textract)	Working; parses uploaded image/pdf for raw text
	AI Field Extraction (OpenAI)	Working; GPT extracts & formats invoice data in JSON
	Error Handling & Logging	Improved; detailed logs for easier backend debugging
	DynamoDB Integration	Working; each invoice saved as structured item
	Unique Invoice ID + Timestamp	Working; all records stored with UUID & ISO timestamp
Debugging	Step-by-step Debug Prints	Added; "STEP X:" prints for each backend process step
	Exception Handling	Added; prints & returns detailed error info to help debug

Current Status:

- Full pipeline from invoice upload to extraction, editing, validation, export, and DB storage is implemented and tested.
- Debugging and error handling steps are in place to catch and resolve backend/API issues.