

GISter Features

Living Document - Update when features are added/modified/removed

Core Features

1. AI-Powered Listing Generation

Status:  Complete

Last Updated: 2025-10-14

Description: Capture item photos and let AI generate complete marketplace listings with pricing, descriptions, and platform recommendations.

Key Components:

- Camera capture page (`app/camera/page.tsx`)
- AI analysis endpoint (`app/api/listings/[id]/analyze/route.ts`)
- Listing detail page (`app/listing/[id]/page.tsx`)
- Photo upload API (`app/api/photos/upload/route.ts`)

AI Capabilities:

- Item identification with confidence scoring
- Automatic title and description generation
- Condition assessment with notes
- Market price research (brand new, very good, good, fair, parts)
- Platform recommendations (top 2-3 + all qualified platforms)
- Search tag generation (up to 20 SEO-optimized tags)
- Special items detection (vintage, collectible, luxury, etc.)

Premium Features:

- Enhanced market insights
- Special item facet analysis (authentication, rarity, provenance)
- Premium facts and useful links
- Verified condition scoring

Dependencies:

- OpenAI GPT-4 Vision API
 - AWS S3 for temporary image storage
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2. Special Items Detection

Status:  Complete

Last Updated: 2025-10-14

Description: Automatically detects vintage, collectible, rare, luxury, and specialty items with premium insights for paying users.

Key Components:

- AI detection logic (`app/api/listings/[id]/analyze/route.ts`)
- Special item UI (`app/listing/[id]/listing-detail.tsx`)
- Premium gating system (`app/components/premium-packs-section.tsx`)

How It Works:

- AI always analyzes for special items (all tiers)
- Free users see teaser banner + upgrade prompt
- Premium users see full facet analysis:
- Authentication status
- Condition details
- Rarity assessment
- Provenance information
- Completeness evaluation

Database Fields:

- `isSpecialItem`: Boolean
 - `specialItemReason`: String
 - `specialItemCategory`: String
 - `facets`: String (JSON)
 - `priceUplifts`: String (JSON)
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3. Marketplace Integrations

Status:  Complete

Last Updated: 2025-10-08

Description: Direct integrations with major reselling platforms for automated posting.

3a. eBay Integration

Status:  Complete

Auth Method: OAuth 2.0

Key Components:

- OAuth flow (`app/api/marketplace/ebay/auth/route.ts` , `callback/route.ts`)
- Posting API (`app/api/marketplace/ebay/post/route.ts`)
- Status checker (`app/api/marketplace/ebay/status/route.ts`)
- Disconnect handler (`app/api/marketplace/ebay/disconnect/route.ts`)

Features:

- Secure OAuth 2.0 consent flow
- Token refresh automation
- Listing creation with images
- Status tracking

Database Model: `EbayCredential`

3b. Etsy Integration

Status:  Complete

Auth Method: OAuth 2.0

Key Components:

- OAuth flow (`app/api/marketplace/etsy/auth/route.ts` , `callback/route.ts`)
- Posting API (`app/api/marketplace/etsy/post/route.ts`)
- Status checker (`app/api/marketplace/etsy/status/route.ts`)
- Disconnect handler (`app/api/marketplace/etsy/disconnect/route.ts`)

Features:

- OAuth 2.0 with shop selection
- Multi-shop support
- Listing creation with shop-specific settings

Database Model: `EtsyCredential`**3c. Reverb Integration****Status:**  Complete**Auth Method:** API Key**Key Components:**

- API key connection (`app/api/marketplace/reverb/connect/route.ts`)
- Posting API (`app/api/marketplace/reverb/post/route.ts`)
- Status checker (`app/api/marketplace/reverb/status/route.ts`)
- Disconnect handler (`app/api/marketplace/reverb/disconnect/route.ts`)

Features:

- API key-based authentication
- Musical instrument listings
- Reverb-specific fields (year, finish, condition)

Database Model: `ReverbCredential`**4. Chrome Extension (GISTer Extension v2.0.0)****Status:**  Complete**Last Updated:** 2025-10-07**Description:** Chrome extension for semi-automated posting to platforms without official APIs.**Key Components:**

- Extension code (`extension/`)
- Auth verification API (`app/api/extension/auth/verify/route.ts`)
- Listings sync API (`app/api/extension/listings/route.ts`)
- Schedule API (`app/api/extension/schedule/route.ts`)
- Posted status update (`app/api/extension/listings/[id]/posted/route.ts`)

Features:

- Smart form filling automation
- Image upload automation
- Progress tracking
- Multi-platform support (Mercari, Poshmark, OfferUp, etc.)
- Scheduled posting with AI-recommended times

Platforms Supported:

- Mercari
 - Poshmark
 - OfferUp
 - Nextdoor
 - Facebook Marketplace
 - Craigslist
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5. Connections Management

Status:  Complete

Last Updated: 2025-10-08

Description: Centralized page for managing all marketplace connections.

Key Components:

- Connections page (`app/connections/page.tsx`)
- Connection cards with status indicators
- OAuth flow triggers
- Disconnect handlers

Features:

- Visual status indicators (connected/disconnected)
 - Easy OAuth re-authorization
 - One-click disconnect
 - Connection metadata (username, shop name, etc.)
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6. Premium Feature Gating

Status:  Complete

Last Updated: 2025-10-14

Description: Freemium business model with tiered features.

Key Components:

- Subscription management (`app/api/stripe/checkout/route.ts`)
- Premium upgrade API (`app/api/listings/[id]/upgrade-premium/route.ts`)
- Usage tracking (`User.premiumPostsUsed` , `User.premiumPostsTotal`)
- Premium packs UI (`app/components/premium-packs-section.tsx`)

Tiers:

- **FREE:** 4 premium analyses per account
- **BASIC:** \$10/month - Unlimited analyses
- **PRO:** \$20/month - All features + priority support

Premium Features:

- Enhanced market research
- Special item facet analysis
- Verified condition scoring
- Premium facts and useful links

- Historical price data
- Advanced analytics

Dependencies:

- Stripe for payment processing
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7. User Preferences & Auto-Fill

Status:  Complete

Last Updated: 2025-09-15

Description: Save user preferences for shipping, location, and common listing details.

Key Components:

- Preferences API (`app/api/user/preferences/route.ts`)
- Auto-fill logic in listing creation

Saved Preferences:

- Default fulfillment type (shipping/local)
- Willing to ship
- OK for local pickups
- Default location
- Meetup preferences
- Typical weight/dimensions

Database Fields: `User.default*` fields

8. Smart Notifications (Chips System)

Status:  Complete




Last Updated: 2025-10-10

Description: Context-aware notifications with mood-based styling and section-scoped chips.

Key Components:

- Notification types (`app/lib/types.ts`)
- Mood engine (`app/components/notifications/moods.ts`)
- Chips row component (`app/components/ChipsRow.tsx`)
- Quick facts panel (`app/components/QuickFactsPanel.tsx`)

Chip Types:

-  **Alerts:** Required fields, critical issues (red)
-  **Actions:** Actionable insights (blue)
-  **Insights:** Helpful information (purple)

Section Scoping:

- Photos section
- Condition section
- Price section
- Shipping section
- Fine details section

Database Model: AINotification

9. Cost Tracking & Transparency

Status:  Complete

Last Updated: 2025-09-20

Description: Track AI API costs, storage costs, and usage per user and per listing.

Key Components:

- Cost calculation API (`app/api/user/costs/route.ts`)
- Cost display page (`app/costs/page.tsx`)
- Usage tracking in `User` and `Listing` models

Tracked Metrics:

- LLM tokens used
- Storage bytes consumed
- API costs (USD)
- Storage costs (USD)
- Per-listing breakdown

Database Fields:

- `User` : `totalTokensUsed` , `totalApiCost` , `totalStorageCost`
 - `Listing` : `tokensUsed` , `apiCost` , `storageCost`
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10. Buyer Search Marketplace

Status:  Complete

Last Updated: 2025-10-12

Description: Facet-based search system for buyers to find quality items.

Key Components:

- Search API (`app/api/search/route.ts`)
- Search page (`app/search/page.tsx`)
- Search index model (`SearchIndex`)

Features:

- Multi-field faceted search
- Quality grading system (0-1 score)
- Relevance ranking
- Voice search support
- Category filtering
- Price range filtering
- Location-based search

Quality Facets:

- Authentication
- Condition verification
- Rarity assessment

- Provenance tracking
- Completeness evaluation

Database Model: `SearchIndex`

11. Authentication & User Management

Status:  Complete

Last Updated: 2025-09-01

Description: User authentication with email/password.

Key Components:

- NextAuth.js configuration (`app/api/auth/[...nextauth]/route.ts`)
- Sign-in page (`app/auth/signin/page.tsx`)
- Sign-up page (`app/auth/signup/page.tsx`)
- Sign-up API (`app/api/signup/route.ts`)

Features:

- Credential-based auth (email + password)
- Password hashing with bcrypt
- Session management
- Protected routes

Database Models: `User` , `Account` , `Session` , `VerificationToken`

12. PWA Support

Status:  Complete

Last Updated: 2025-10-03

Description: Progressive Web App capabilities for mobile “Add to Home Screen”.

Key Components:

- PWA manifest (`app/manifest.json`)
- Service worker configuration
- Mobile-optimized UI
- Touch-friendly interactions

Features:

- Installable on iOS/Android
 - Offline support (basic)
 - Mobile viewport optimization
 - App-like experience
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In Progress

13. Telemetry & Analytics

Status:  In Progress

Owner: GPT (parallel work)

Last Updated: 2025-10-14

Description: User behavior tracking, error monitoring, and performance analytics.

Planned Components:

- Event tracking system
- Error reporting
- Performance monitoring
- User flow analysis

Note: No conflicts with other development work.

Planned Features

14. Unified Inventory System (“Shelf”)

Status:  Planned

Priority: High

Estimated Start: 2025-10-16

Description: Single inventory page with multiple input methods.

Planned Capabilities:

- Batch image upload (drag-and-drop)
- CSV/Excel import with AI parsing
- Text writeup parsing
- Manual entry
- Gallery-like inventory view
- Bulk actions (edit, delete, post)
- Background AI processing
- Real-time status updates

Database Changes:

- May need `InventoryItem` model or status field updates
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15. AI Provider Migration (Gemini 2.5 Flash)

Status:  Planned

Priority: Medium

Estimated Start: 2025-10-20

Description: Migrate from OpenAI GPT-4 to Gemini 2.5 Flash for cost savings.

Reasons:

- Lower API costs

- Competitive performance
- Multimodal capabilities

Risk: May require prompt re-engineering and quality testing.

16. Historical Price Data

Status:  Planned

Priority: Medium

Premium Feature: Yes

Description: Track historical pricing trends for items.

Planned Components:

- Price history chart
 - Trend analysis
 - Best time to sell insights
 - Seasonal patterns
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17. Analytics Dashboard

Status:  Planned

Priority: Low

Premium Feature: Yes

Description: User dashboard with sales analytics, listing performance, and insights.

18. Mobile App (React Native)

Status:  Planned

Priority: Low

Estimated Start: 2026-Q1





Description: Native mobile apps for iOS and Android.

Deprecated Features

None yet.



Feature Status Legend

-  **Complete:** Feature is live and stable
-  **In Progress:** Actively being developed
-  **Planned:** Approved for development, not started
-  **Deprecated:** No longer supported/maintained

Last Updated: 2025-10-14

Maintained By: All agents and developers

Notes for Agents

When adding a new feature:

1. Add entry to this file with all required sections
2. Update `CHANGELOG.md` with feat: entry
3. Update `API.md` if new endpoints added
4. Update `DATABASE.md` if schema changed
5. Create session summary in `/sessions/`

When completing a feature:

1. Change status from 🚧 to ✅
2. Update “Last Updated” date
3. Add any production notes

When deprecating a feature:

1. Move to “Deprecated Features” section
2. Document reason for deprecation
3. Note migration path (if any)