

LockerDrop Launch Todo List

Sources: Project Review | Harbor Checklist | Shopify App Store Requirements

Generated February 5, 2026

CRITICAL 9 items	HIGH 12 items	MEDIUM 11 items	LOW 4 items
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Estimated total: 100-160 hours across all phases. Phase 1 alone (the blockers) is approximately 20-35 hours.

Phase 1: Launch Blockers (Week 1-2)

These must be completed before submitting to Shopify App Store or onboarding a real merchant. Estimated: 20-35 hours.

#	Task	Source	Priority	Status	Time Est.	Notes
1	Add app/uninstalled webhook handler	Shopify	CRITICAL	Not Started	2-3 hrs	Required for app review (2.3). Clean up store data on uninstall.
2	Switch Harbor API from sandbox to production	Harbor	CRITICAL	Blocked	1-2 hrs	Blocked until Harbor provides production credentials. Send email first.
3	Remove hardcoded locker ID 329 default	Review	CRITICAL	Needs Work	1-2 hrs	Orders missing locker data go to wrong locker. Add proper error handling.
4	Replace in-memory sessions with connect-pg-simple	Shopify	CRITICAL	Not Started	2-3 hrs	Required: sessions lost on server restart. Use existing PostgreSQL.
5	Migrate REST Admin API calls to GraphQL	Shopify	CRITICAL	Needs Work	4-8 hrs	Required since April 2025 (2.2.4). Audit all REST calls in server.js and shopify.service.js.
6	Add Shopify App Bridge latest version	Shopify	CRITICAL	Needs Work	2-4 hrs	Required (2.2.3). Add app-bridge.js script tag before other scripts in dashboard.
7	Ensure embedded app experience	Shopify	CRITICAL	Needs Work	3-5 hrs	Dashboard must load embedded in Shopify Admin (2.2.2), not standalone.
8	Fix SSL rejectUnauthorized: false on DB connection	Review	CRITICAL	Needs Work	1 hr	Get proper CA cert from DigitalOcean. Security requirement (3.1).

9	Clarify Harbor error handling responsibilities	Harbor	CRITICAL	Blocked	N/A	Send email to Harbor. Answers determine scope of items 10-14.
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Phase 2: Hardening & Edge Cases (Week 2-3)

Handle failure scenarios, improve reliability, finalize billing. Estimated: 25-35 hours.

#	Task	Source	Priority	Status	Time Est.	Notes
10	Build stuck order detection for failed Harbor callbacks	Harbor	HIGH	Not Started	3-4 hrs	If dropoff/pickup callback never fires, orders get stuck indefinitely.
11	Add locker size change flow for sellers	Harbor	HIGH	Not Started	3-4 hrs	If package won't fit: cancel current request, release locker, generate new link for different size.
12	Add retry/troubleshooting on success pages	Harbor	HIGH	Not Started	2-3 hrs	Locker didn't open flow: retry button, contact support link on dropoff/pickup pages.
13	Add express-rate-limit to public API endpoints	Review	HIGH	Not Started	1-2 hrs	Public endpoints like /api/public/lockers have no rate limiting.
14	Add node-cron job for locker expiry	Review	HIGH	Not Started	3-4 hrs	Orders past hold_time_days sit forever. Need expiry warnings and auto-release.
15	Add orders/updated webhook handler	Review	HIGH	Not Started	2-3 hrs	Changes in Shopify after order creation aren't synced to LockerDrop.
16	Add structured logging (winston or pino)	Harbor	HIGH	Not Started	3-4 hrs	Harbor checklist requires error logging front and backend. logs/ exists but untracked.
17	Add frontend error tracking to dashboard and extensions	Harbor	HIGH	Not Started	2-3 hrs	Harbor checklist: enable error logging in FRONT and BACKEND.
18	Decide and clean up billing model	Review	HIGH	Needs Work	2-4 hrs	Subscription system built but bypassed. \$1/order shipping fee active. Pick one, remove the other.
19	Ensure billing plan changes work without reinstall	Shopify	HIGH	Needs Work	2-3 hrs	Required (1.2.3). Merchants must upgrade/downgrade without contacting support.

Phase 3: App Store Submission Prep (Week 3-4)

Everything needed for Shopify App Store review. Estimated: 15-20 hours.

#	Task	Source	Priority	Status	Time Est.	Notes
20	Create demo screencast video	Shopify	HIGH	Not Started	4-6 hrs	Required for app submission (4.5.3). Show onboarding and core features in English.
21	Prepare test credentials for Shopify review	Shopify	HIGH	Not Started	1-2 hrs	Required (4.5.4). Functional credentials granting full access to app features.
22	Create App Store listing content	Shopify	HIGH	Not Started	3-4 hrs	App name, subtitle, description, screenshots. No pricing in images (4.2.2), no stats/claims (4.3.3).
23	Add geographic requirement to listing	Shopify	MEDIUM	Not Started	30 min	Harbor Lockers are US-only. Indicate this in listing (4.3.8).
24	Upload app icon to Dev Dashboard	Shopify	MEDIUM	Not Started	30 min	Required (4.1.2). Must match between Dev Dashboard and App Store listing.
25	Add emergency developer contact	Shopify	MEDIUM	Not Started	15 min	Required (4.5.6). Add to Partner Dashboard settings.
26	Add theme extension setup deep links and instructions	Shopify	MEDIUM	Needs Work	2-3 hrs	Required (5.1.3). Detailed instructions + deep links for installing theme blocks.
27	Verify checkout extension displays properly	Shopify	MEDIUM	Needs Work	2-3 hrs	Required (5.6.1). Test locker selection in checkout on desktop and mobile.
28	Review scopes - remove any unnecessary ones	Shopify	MEDIUM	Needs Work	1-2 hrs	Required (3.2). Must justify all requested scopes. Consider optional scopes.

Phase 4: Post-Launch Improvements (Month 2+)

Technical debt, testing, and future features. Estimated: 50-75 hours.

#	Task	Source	Priority	Status	Time Est.	Notes
29	Refactor server.js into modular route files	Review	MEDIUM	Not Started	8-12 hrs	3,500 lines in one file. Not a blocker but improves maintainability.
30	Encrypt Shopify access tokens in database	Review	MEDIUM	Not Started	2-3 hrs	Currently stored as plaintext TEXT. Encrypt at rest.
31	Add CSRF protection to POST endpoints	Review	MEDIUM	Not Started	2-3 hrs	Currently relies on session + HMAC but no CSRF tokens.
32	Set up Harbor sandbox + production environment toggle	Harbor	MEDIUM	Not Started	2-3 hrs	Harbor checklist: have sandbox for testing. Use env var to toggle.
33	Add automated tests	Review	LOW	Not Started	8-16 hrs	No test framework. Start with critical paths: OAuth, webhooks, Harbor callbacks.
34	Set up CI/CD pipeline	Review	LOW	Not Started	4-6 hrs	No GitHub Actions. Automate deploy to DigitalOcean.
35	Add returns via locker support	Review	LOW	Not Started	16-24 hrs	Customer FAQ says not available yet. Future feature.
36	Add multi-package order support	Review	LOW	Not Started	8-12 hrs	Split orders across multiple lockers. Future feature.

Key Dependencies & Blockers

- **Harbor Production Credentials:** Items 2, 10-12, 32 are blocked or dependent on Harbor's production API access and answers to the email questions about error handling responsibilities.
- **GraphQL Migration:** Item 5 (REST to GraphQL) is a hard Shopify requirement since April 2025. This touches many files and should be done carefully. Audit server.js and shopify.service.js for all REST calls.
- **App Bridge + Embedded Experience:** Items 6-7 are related. The admin dashboard currently loads as a standalone page. Shopify requires it to be embedded within the Shopify Admin using App Bridge.
- **Billing Decision:** Item 18 blocks item 19. Decide whether to keep \$1/order shipping fee or activate the subscription system. Shopify requires billing through their Billing API (1.2), so whichever model you choose must go through Shopify.

Recommended Execution Order

Start with the items that unblock other work:

- **TODAY:** Send the Harbor email (item 9). Their answers unblock 5+ items.
- **This week:** Items 1, 3, 4, 8 (quick critical fixes, 6-9 hours total). Then start item 5 (GraphQL migration).
- **Next week:** Items 5-7 (GraphQL + App Bridge + embedded experience). Then items 13-16 (rate limiting, cron jobs, logging).
- **Week 3:** Harbor-dependent items (10-12) once you have answers. Billing cleanup (18-19). Begin submission prep (20-28).
- **Week 4:** Submit to Shopify App Store for review. Begin Phase 4 items while waiting for review feedback.