



VIBE96 QUALITY REPORT

MailFlow AI Campaign Platform

AI-personalised lead-generation email platform with drag-and-flow builder for B2B sales teams

Product ID	B0004-49915
Builder	Ibrahim Abdurahman
Version reviewed	1.3.0 · released 19 Oct 2026
Stack	ASP.NET Core 10 · C# 10 · SQL Server 2019
Built with	Claude Code
Review period	14 Oct 2026 – 19 Oct 2026

88 / 100

Passed with 4 warnings

Pass mark 75 and no failing check.

Scores

Security	87
Code structure	78
Docs & completeness	93
Dependency health	95
Build & deploy	92



AI code audit
6 checks · 14 Oct 2026



Installed & run
19 Oct 2026



Demo vs delivered
19 Oct 2026



Final sign-off
19 Oct 2026

At a glance

- ✓ Installed and run from the delivered code — 8 of 8 checks answered yes.
- ✓ Live demo compared with the delivered code — 7 of 7 checks answered yes.
- ! 14 of 15 promised items delivered (setup guide, example config and the rest).
- ✓ Security scored 87/100 with no failing check.
- ! 4 open warnings — explained in part 1.



Check this report is genuine. Scan the code or open vibe96.com/report/QR-26-00042. The online copy always shows the latest status.

PART 1

AI code audit

The full source archive was read by our AI auditor against each check. It reads the code — it does not run it; running it is part 2.

CHECK	WHAT WE FOUND	SCORE	RESULT
Secrets & credentials	All secrets are placeholders or environment variable references. The only issue is appsettings.json ships with Auth:AdminPassword empty, which creates the first admin with no password if not overridden. This is a weak default for local development but documented in HowToSetup.md and .env.example requires it.	95	Warning
Dependency vulnerabilities	The .NET project has no packages.lock.json, so dependency versions float within the ranges in MailFlow.csproj. All packages are current stable releases with no known critical vulnerabilities. Docker base images use floating tags (10.0, 2022-CU15) which is acceptable for auto-patching but means builds are not reproducible.	95	Pass
Authorisation & access control	Every mutating endpoint and page requires authentication via cookie auth with proper password hashing ([hidden]). All API routes check for X-MailFlow-Request header. Public tracking/unsubscribe routes are correctly anonymous. Minor issue: contact details and flow builder pages don't verify the requested contact/flow belongs to the signed-in user's workspace, allowing cross-tenant reads in a multi-tenant deployment (currently single-workspace by design)	95	Warning
Database access rules	The schema deliberately omits foreign keys (documented choice), but lacks indexes on most foreign-key columns (ContactId, FlowId, TemplateId, etc.), creating N+1 query risks. One DELETE in FlowEngine.cs (line 394) removes all enrollments for a contact without scoping to the current flow, which could affect other flows. No SQL injection found; EF Core parameterizes everything.	72	Warning
Code structure & duplication	MailFlow has clear separation of concerns (Pages, Services, Engine, Endpoints) and no pervasive god files. However, there is notable duplication in validation logic, email composition, and flow node handling. A few service files exceed 400 lines and could benefit from further decomposition. Hard-coded values are mostly confined to configuration files, but some magic strings appear in multiple places.	78	Warning
Build reproducibility	The project builds cleanly with .NET 10 SDK and SQL Server 2019+. All references resolve, Docker setup is complete, and the main setup document covers all steps. Minor issues: HowToSetup.md doesn't specify the exact .NET SDK version (10.0.1xx from global.json), and the sqlcmd prerequisite for database creation isn't explicitly listed in the prerequisites section.	92	Pass

Open warnings

Problems that did not stop the listing. They stay on the product page until a later version fixes them.

Warning 1 No real credentials found; weak default admin password in appsettings.json

All secrets are placeholders or environment variable references. The only issue is appsettings.json ships with Auth:AdminPassword empty, which creates the first admin with no password if not overridden. This is a weak default for local development but documented in HowToSetup.md and .env.example requires it.

Warning 2 Strong authentication on all routes; minor ownership gaps on read-only contact/flow endpoints

Every mutating endpoint and page requires authentication via cookie auth with proper password hashing ([hidden]). All API routes check for X-MailFlow-Request header. Public tracking/unsubscribe routes are correctly anonymous. Minor issue: contact details and flow builder pages don't verify the requested contact/flow belongs to the signed-in user's workspace, allowing cross-tenant reads in a multi-tenant deployment (currently single-workspace by design)

Warning 3 Moderate code duplication and some oversized files; generally sound module boundaries

MailFlow has clear separation of concerns (Pages, Services, Engine, Endpoints) and no pervasive god files. However, there is notable duplication in validation logic, email composition, and flow node handling. A few service files exceed 400 lines and could benefit from further decomposition. Hard-coded values are mostly confined to configuration files, but some magic strings appear in multiple places.

Warning 4 No foreign keys, several unindexed foreign-key columns, one unscoped delete risk

The schema deliberately omits foreign keys (documented choice), but lacks indexes on most foreign-key columns (ContactId, FlowId, TemplateId, etc.), creating N+1 query risks. One DELETE in FlowEngine.cs (line 394) removes all enrollments for a contact without scoping to the current flow, which could affect other flows. No SQL injection found; EF Core parameterizes everything.

Requirement list

What the builder agreed to deliver before uploading — 14 of 15 met.

✓ Complete source for every component	Met
✓ No real credentials in the archive	Met
✓ Builds from a clean machine	Met
✓ Database script or migrations	Met
✓ Authentication and roles on every mutating endpoint	Met
! Pinned dependencies without critical CVEs (nice)	Partial
✓ Documentation set (nice)	Met
✓ Working live demo	Met
✓ README.md	Met
✓ HowToSetup.md	Met
✓ CLAUDE.md (or AGENTS.md) (nice)	Met
✓ CHANGELOG.md (nice)	Met
✓ appsettings.example.json	Met
✓ a project file	Met
✓ a project file (nice)	Met

PART 2

Human review

Reviewers from the Vibe96 team in Dubai worked through each question below; a final reviewer signed it off.

Stage 1 — Installed and run from the delivered code

Completed 19 Oct 2026

A reviewer installed the product on a clean machine, following only the guide that ships with it.

QUESTION	ANSWER	REVIEWER'S NOTE
Packages restored without errors	Yes	
Solution builds clean	Yes	
Database created from the shipped script or migrations	Yes	
First sign-in works with the documented steps	Yes	
Setup guide is accurate and complete	Yes	
Every module in the feature list opens and works	Yes	
No real secrets in the archive	Yes	
Branding and company details can be changed without code	Yes	

Stage 2 — Live demo compared with the delivered code

Completed 19 Oct 2026

A second reviewer checked that what the listing and demo show is what the buyer receives.

QUESTION	ANSWER	REVIEWER'S NOTE
Demo URL is reachable	Yes	
Demo credentials work	Yes	
Demo runs the same version as the archive	Yes	
All five differentiators are visible in the demo	Yes	
Screenshots match the demo	Yes	
Nothing in the demo is missing from the code	Yes	
Datasheet claims are accurate	Yes	

Changes asked for during review

None — approved on the first round.

Sign-off: approved for sale on 19 Oct 2026 with 4 warnings shown publicly.

What this report covers — and what it doesn't

• **It covers** version 1.3.0 exactly as the buyer downloads it: the source archive, the setup guide and the live demo on the dates above.

- **It is not** a penetration test, a performance or load test, or a legal review of third-party package licences.
- **Scores are a point in time.** Libraries age; a later version is audited again and gets its own report.
- **Your setup matters.** Hosting, configuration and changes made after purchase are outside this review.
- **How the score is made:** each AI check is scored 0–100 and weighted (security counts most). A listing needs 75 or more, no failing check, and the human review passed.
- **Always try the live demo** before buying, and ask the builder questions from the product page.

Report history

REPORT	VERSION	DATE	SCORE	STATUS
QR-26-00042	1.3.0	19 Oct 2026	88	Current
QR-26-00035	1.0.0	12 Oct 2026	85	Replaced