



MAIL INBOX

USER GUIDE

Smart Inbox • Compose Mail • Search & Filters • Attachments • Spam Control • Profile Sync

Complete user-facing Mail Inbox guide.

1. Guide Map

A compact map of the supplied Mail Inbox application so you can jump straight to the area you need.

Startup RUN_WEB and auth-page launchers, local FastAPI/Uvicorn service and browser access.	Secure Access Email/password, account creation, forgot/reset password, OTP, magic link, Google, Microsoft and domain-email login.
Inbox Multi-account mailbox, saved cache, live refresh, reader pane, unread/starred state and Gmail-style navigation.	Compose Rich editor, From/To/Cc/Bcc, attachments, formatting, links, images, emoji, draft, signature, templates and send options.
Folders Inbox, Sent, Purchases, Social, Updates, Forums, Promotions, Spam, Trash, Drafts, Followups and custom labels.	Reader & Actions Reply, forward, follow-up, archive, delete, mark read, star, move, label, spam handling and message attachments.
Mail Accounts Provider auto-detect, IMAP/SMTP setup, app-password field, connection tests, import/export and bulk account tools.	Mail Health Inbox/spam/sent/unread signals, account health rows, saved-mail counts, last sync, risk gauges and account volume.
Settings Inbox behavior, density, theme, reading pane, account defaults, cache safety, compose controls, active features and signature.	Data & Recovery SQLite mail cache, JSON backups, email cache import/export, stable data directory and encrypted saved secrets.
Profile Multi-account profile menu, account switching, Google profile-photo sync, add another account and sign out all.	Drafts & Followups Local saved drafts plus reminders with due time, note, complete and delete actions.
App Update Update status/workflow page and app-data/update APIs for published build information.	Support Support form, contact details, upgrade/storage assistance and provider/settings help.
Attachments Compose attachments plus message attachment access, download and related file handling.	Architecture FastAPI, Uvicorn, SQLite, Fernet encryption, IMAP/SMTP mail client and browser-based front end.
Recommended order Start app -> Sign in -> Add/verify a mail account -> Load Inbox -> Configure Settings/Signature -> Read/reply/compose -> Use Drafts/Followups -> Check Mail Health -> Export backups before updates.	

2. Installation, Startup & Local Access

The package is a local web application that runs a FastAPI/Uvicorn backend and opens the Mail Inbox UI in your browser.

Feature / Control	What it does / how to use it
RUN_WEB.bat	Checks Python, installs requirements, starts app.main:app on 127.0.0.1:8088 and opens the login dashboard.
RUN_AUTH_PAGES.bat	Starts the service and opens the security-page hub for OTP, reset password and magic-link flows.
Python requirement	Launcher expects Python 3; the batch file explicitly tells the user to install Python 3.10+ if Python is missing.
Dependencies	FastAPI, Uvicorn, Pydantic Email, OpenPyXL, Cryptography and python-multipart are included in requirements.txt.
Local URL	Default listener is 127.0.0.1 on port 8088, so the supplied launchers are local-machine oriented.
Browser UI	Static HTML/CSS/JavaScript pages are served by the backend; the inbox itself is not a desktop-native window.
Network dependency	Internet access is still required for package installation, provider login, IMAP/SMTP access, OAuth and remote mail sync.

First launch Use RUN_WEB.bat for normal use. Keep the command window open while the Mail Inbox web app is running.

3. Login, Account Creation & Security

Multiple authentication paths and recovery pages are included for secure user access and account recovery.

Feature / Control	What it does / how to use it
Email + Password	Normal login page with Email, Password, Remember me and Log In controls.
Create Account	Create-account dialog is available directly from the login screen.
Forgot / Reset Password	Forgot-password request plus reset/new-password pages are routed through the backend.
OTP Verification	Dedicated OTP request/verify APIs and an OTP security page are included.
Magic Link	Magic-link request and magic-login callback flow are included for passwordless-style access.
Google Sign-In	Google OAuth start/callback routes are included and require valid OAuth client configuration and redirect URI.
Microsoft Sign-In	Microsoft OAuth start/callback and redirect-URI helper routes are present.

Feature / Control	What it does / how to use it
Domain Email Sign-In	Login page includes a recommended domain-email flow that asks for SMTP host, port, encryption, authentication, email and password, then Configure & Verify.
Session / Status	Backend exposes auth status/config endpoints, logout handling and session-aware protected routes.
Password storage	Saved mail-account passwords are encrypted with Fernet before being stored in the local database.

Security note Keep OAuth client secrets, app passwords, reset-SMTP password and the local encryption key private. Do not place them in screenshots or public documentation.

4. Inbox Dashboard & Multi-Account Workspace

The main workspace combines Gmail-style navigation, mail list, toolbar and a right-side reader for the selected message.

Feature / Control	What it does / how to use it
Inbox mail list	Loads saved/synced messages and keeps sender, subject, date plus seen/starred/important state in the local cache.
Two-panel layout	When a message is opened, the inbox remains on the left and the message reader opens on the right.
Account selector	Mail can be loaded for a selected mail account or across configured accounts, depending on the active control.
Add Mail ID	Top action opens the mail-account dialog for IMAP + SMTP setup.
Load Mail / Refresh	Manual sync loads new mail and refreshes the saved inbox data.
Active / live status	Live-sync status control and /api/auto-sync/status support provide sync-readiness feedback.
Stats cards	Optional settings can show Total, Unread, Starred and Mail ID cards on the inbox.
Persistent view	The app stores the last active view and mailbox in local storage so navigation can reopen where you left it.
Stable toolbar	Settings include a Stable toolbar option to keep actions fixed without layout jumping.
Responsive density	Default, Comfortable and Compact density modes change how much mail fits on one screen.

5. Mailboxes, Categories, Labels & Filters

Built-in mailbox shortcuts plus custom-label controls organize personal and provider-generated mail groups.

Feature / Control	What it does / how to use it
Inbox	Primary incoming mailbox.
Sent Mail	Provider sent-mail folder shortcut.
Purchases	Dedicated provider/category shortcut for purchase-related messages.
Social	Social-category mailbox shortcut.
Updates	Updates-category mailbox shortcut.
Forums	Forums-category mailbox shortcut.
Promotions	Promotions-category mailbox shortcut.
Spam	Spam folder with move-to-spam support in the mail client.
Trash	Trash mailbox for deleted mail; backend also includes permanent-delete support.
Drafts	Local saved drafts view.
Followups	Reminder view for selected client messages.
New Label	Sidebar includes + New Label and label-creation controls.
Move Mail	Move dialog can send selected mail to another folder.
Label Mail	Label dialog shows existing labels and allows label assignment/creation.
Filter tabs	Inbox can show All, Unread, Starred and Today filters.
Inbox type setting	Default, Important first, Unread first or Starred first can be selected in Settings.

6. Search, Selection & Mail Actions

The inbox toolbar provides fast message-state operations while the backend handles mailbox flags, moves and delete actions.

Feature / Control	What it does / how to use it
Search	Search button and inbox search flow help narrow visible messages.
Refresh	Reload mailbox/saved cache from the selected account context.
Archive	Archive action is available from the main action bar.
Delete	Delete selected/visible mail with optional confirmation and safe-delete settings.
Mark Read	Updates seen state for the selected message.
Star	Toggles starred state and works with the Starred filter.
Important marker	Mail rows include an important marker state for quick scanning.
Move	Backend supports moving messages between folders.
Move to Spam	Dedicated mail-client action moves a message to the spam folder and tracks the moved state locally.
Permanent Delete	Backend includes permanent deletion for cases where Trash needs final removal.
Bulk visible safety	Settings include Confirm before Delete All, Delete Visible and Safe delete mode.
Mail counts	Mail-count API and toolbar count display support loaded-range/total indicators.

Safe workflow Use Archive or Move for mail you may need again. Reserve permanent delete for messages already reviewed in Trash.

7. Message Reader, Reply, Forward & Follow-Up

Open a message to read full content, inspect attachments and continue the conversation without leaving the inbox.

Feature / Control	What it does / how to use it
Message preview	Selected mail opens in the reader panel with subject, sender/recipient context and mailbox information.
Full message fetch	Backend reads the selected message by account ID and UID rather than relying only on cached list metadata.
Attachments	Reader includes an attachment area and the mail client extracts attachment metadata from the message.
Reply	Reply opens a compose flow addressed back to the message sender/reply-to address.
Forward	Forward prepares Fwd: subject handling and a clean recipient field.
Inline composer	Reply/forward can open directly from the reader with From, To, Cc, Bcc, subject, editor and attachments.
Follow Up	Save the selected message as a follow-up reminder with Due time and Note.
Reader close	Close returns to the mail list while keeping the current mailbox context.
Reader pane setting	Reading pane can be Right side, Bottom or Off from Settings.
Saved-state support	Seen/starred overrides are stored locally so UI state can remain consistent with cached mail.

8. Compose Studio

A rich message editor provides core mail fields plus formatting, attachment and reusable-content controls.

Feature / Control	What it does / how to use it
From account	Choose which saved SMTP account sends the message.
To / Cc / Bcc	Standard recipient fields are included; Cc and Bcc can be used for copied/hidden recipients.
Subject	Dedicated subject field with reply/forward prefix handling.
Rich body editor	Content-editable mail body supports rich HTML-style composition.
Undo / Redo	Editor ribbon includes undo and redo.
Font + Size	Sans Serif, Serif, Monospace, Tahoma and Verdana families plus Small/Normal/Large/Huge sizes.
Text formatting	Bold, Italic, Underline and Strikethrough controls.
Text / Background color	A color control is present for text and background color selection.
Alignment	Left, center and right alignment controls.
Lists / Indent	Bulleted list, numbered list, decrease indent and increase indent.
Divider / Clear formatting	Insert divider and clear formatting controls are available.
Send options	Primary Send button, Send now menu and Save draft menu are included.

Feature / Control	What it does / how to use it
Background send	Backend includes background-send routes for non-blocking sending workflows.
Confirm before send	Optional Settings control can ask once before a manual/campaign-style send action.

9. Attachments, Templates, Signature & Advanced Compose Tools

Compose adds reusable content and message extras beyond the basic editor.

Feature / Control	What it does / how to use it
Multiple attachments	File input accepts multiple files; attachment chips show selected files and allow removal before send.
Insert link	Link tool is available in both full compose and inline reply.
Emoji	Emoji insertion control is included.
Insert image	Image insertion control is included in the compose toolbar.
Confidential control	Compose includes a Confidential toggle and confidential-note area in the UI.
Signature	Signature can be inserted manually or automatically depending on Settings.
Template	Template dialog supports saved template content.
Template sections	Controls include Insert Section 1, Insert Section 2 and Insert Full.
Save template	Current reusable content can be saved from the Templates dialog.
Save draft	Full compose and inline compose provide Save Draft.
Schedule control	A Schedule send button is exposed in the compose toolbar.
More menu	Default full screen, Plain text mode, Print, Spell check and Label controls are included.
Sender profile photo	A Sender Profile Photo dialog provides Save and Remove controls for local sender-contact presentation.
Auto signature rules	Settings can apply signature to all mail, new mail, and reply/forward independently.

Template tip Use templates for repeated replies, but review the recipient, subject and any account-specific signature before sending.

10. Drafts & Follow-Up Reminders

Local persistence lets unfinished emails and future client actions remain available between inbox sessions.

Feature / Control	What it does / how to use it
Draft storage	Drafts are stored in the local SQLite drafts table with account, To, Cc, Bcc, subject, HTML body and updated time.
Drafts view	Draft list shows subject, recipient and Updated timestamp.
Draft count	Sidebar draft count is updated from the drafts API.
Keep draft cache	Settings can keep compose text locally while editing.
Create Follow Up	Selected mail can be saved with Due datetime and Note.
Message linkage	Follow-up record stores account, UID, mailbox, from/to and subject when available.
Complete	Follow-up item includes Complete action.
Delete	Follow-up item includes Delete action.
Reminder status	Follow-up records maintain open/completed status in SQLite.
Use case	Useful for sales replies, client approvals, invoice reminders or any message that needs a later action.

11. Add Mail Account - IMAP & SMTP Setup

Every connected mail ID stores incoming and outgoing server settings so the same account can read and send mail.

Feature / Control	What it does / how to use it
Name	Friendly display name for the account.
Email	Mail address used for provider detection, login and message sending.

Feature / Control	What it does / how to use it
Provider	Auto detect plus Gmail, Outlook/Hotmail/Live, Yahoo, iCloud/Me.com, AOL, Proton, Zoho, Yandex, Mail.com, GMX and Other/Custom choices.
Password / App Password	Secret field with show/hide control. Many providers require an app password when 2-step verification is enabled.
IMAP Host	Incoming mail server host, e.g. imap.example.com.
IMAP Port	Incoming port; default field is 993.
SMTP Host	Outgoing mail server host, e.g. smtp.example.com.
SMTP Port	Outgoing port; default field is 587.
SMTP TLS	Yes/No setting for TLS behavior.
Test Mail Login	Tests the account before/while saving.
Save Account	UI states that save auto-tests IMAP + SMTP and then stores the account.
Verification dialog	Imported mail IDs can be re-tested for IMAP + SMTP verification.
Provider defaults	Backend can return default IMAP/SMTP settings for known providers.
Encrypted secret	Saved account password is encrypted before database storage.

Provider note Use the provider-approved IMAP/SMTP settings and authentication method. Normal account passwords may fail where the provider requires an app password or OAuth.

12. Account Manager, Import / Export & Verification

The Accounts page is designed for maintaining several mail IDs without re-entering every setting manually.

Feature / Control	What it does / how to use it
Account cards	Configured IDs can be reviewed with Edit and Delete actions.
Add Mail ID	Creates another IMAP/SMTP account.
Import	Imports account configuration for bulk setup.
Export	Exports account configuration; Settings explicitly warns that exported account JSON should be kept private.
Import verification	Imported IDs can be tested again after import.
Bulk select/delete	Account page includes Select Delete and Delete All controls.
Account details API	Private account details can be fetched for editing; public list avoids exposing raw secret fields.
Verify saved account	A saved account can be re-tested without recreating it.
Auto-fill servers	Settings can auto-fill IMAP/SMTP host and port from the provider when possible.
Test before save	Settings can force IMAP inbox and SMTP login verification before save/import.
STARTTLS default	Settings can make STARTTLS/587 the default for new mail IDs.
Profile photo sync	Google accounts can optionally sync a real Google profile photo through a separate OAuth profile flow.

13. Mail Health, Saved-Mail Signals & Sync Readiness

Mail Health summarizes cached mailbox activity by account; it is an operational signal page, not a guarantee of provider deliverability.

Feature / Control	What it does / how to use it
Total IDs	Number of mail accounts included in the health report.
Active	Accounts currently available for the report.
Saved Mails	Messages stored in the local mail cache.
Inbox Health	Inbox percentage calculated from saved mail mix.
Spam Risk	Spam percentage calculated from saved spam mail.
Unread	Unread count needing review.
Sent	Saved sent-mail count.
Last Sync	Latest saved-mail time shown as the most recent sync signal.
Active Accounts	Count of accounts ready for the health report.
Mail Mix	Visual summary of Inbox, Spam, Sent and Unread.

Feature / Control	What it does / how to use it
Delivery Signal	Saved-mail delivery trend / signal score visual.
Account Volume	Saved mail volume by mail ID.
Risk Gauges	Visual saved-mail risk indicators.
Per-account row	Rows can show Verified, IMAP + SMTP checked, Inbox, Spam, Sent and Unread values.
Open mailbox from metric	Health controls can jump back into the relevant mailbox.
Manual + auto sync	Load Mail plus auto-sync status work together with cached data to refresh health information.

Interpretation Mail Health is based on saved mailbox data. A low spam percentage is useful context, but it does not override provider reputation, DNS authentication, recipient engagement or anti-spam policy.

14. Settings - Inbox, Layout, Compose & Feature Controls

Settings are saved locally and expose detailed control over how the inbox behaves and how much data is loaded or retained.

Feature / Control	What it does / how to use it
Open saved mail first	Start from saved cache instead of reloading everything.
Load only new mail	Refresh latest messages while keeping older saved mail.
Read mail normal text	Keep read rows light/normal.
Unread mail dark/bold	Make unread rows visually stronger.
Compact row height	Show more messages on one screen.
Show stats cards	Toggle Total, Unread, Starred and Mail ID cards.
Show filter tabs	Toggle All, Unread, Starred and Today tabs.
Density	Default, Comfortable or Compact.
Theme	Light, Dark, Blue Glass or Metallic Gray.
Inbox type	Default, Important first, Unread first or Starred first.
Reading pane	Right side, Bottom or Off.
Auto-fill mail server	Fill provider IMAP/SMTP defaults when available.
Test before saving account	Verify IMAP + SMTP before saving/importing.
SMTP STARTTLS default	Use STARTTLS/587 as the default new-account choice.
Confirm before Delete All	Ask before deleting all visible messages.
Auto save loaded mail	Save inbox cache after refresh.
Keep import/export ready	Keep mail-data tools available after closing a message.
Safe delete mode	Apply visible-mail safety checks before delete actions.
Keep Send button visible	Sticky send inside compose.
Compact compose tools	Tighter compose toolbar for smaller screens.
Confirm before send	Optional confirmation before send.
Keep draft cache	Persist compose text while editing.
Templates / Follow-up / Signature	Individual feature toggles keep these tools active or hidden.
Social tabs / Client folders	Feature toggles control social-category and client/label folder visibility.
Signature rules	Apply signature to all mail, new mail, and reply/forward separately.
Workflow quick actions	Keep read, delete, move, spam and label actions ready.
Inbox count visible	Show loaded range and total count.
Stable toolbar	Keep action toolbar fixed without layout jump.
Refresh after account edit	Reload inbox once after account save/import.

15. Email Data, Cache, Backup & Recovery

The package uses both structured SQLite data and JSON backup/import tools so mail IDs and cached mail can survive normal app updates.

Feature / Control	What it does / how to use it
Email Import	Settings exposes Email Import for saved mail/cache data.
Email Export	Settings exposes Email Export.
SMTP Import / Export	Account configuration can be imported/exported from Settings and Accounts.
Mail cache export	Backend exports cached mail to a backup format.
Mail cache status	Status API reports saved-cache state.
Save cache now	Manual API can write a current cache backup.
Mail cache import	Backup cache can be restored through the backend.
SQLite storage	Accounts, drafts, followups, mail cache, mail state, deleted mail, spam-moved records and sync state are stored locally.
WAL mode	SQLite uses WAL, normal sync and a busy timeout to keep concurrent UI/background operations responsive.
Stable data directory	On Windows the app prefers APPDATA/LOCALAPPDATA outside the extracted update folder, helping saved data survive replacement ZIPs.
Legacy migration	Older bundled data/database/key files are copied once to the stable data folder when needed.
Backup JSON files	Package contains mail account and mail cache backup JSON files.
Encryption key	Fernet key is stored separately in .moxie_mail_key; losing the matching key can make old encrypted passwords unreadable.
UI settings storage	View, mailbox, templates, ad fallback, profile/sender-photo and other UI preferences use local browser storage where appropriate.

Backup rule Back up the stable data folder, database and encryption key together before replacing a build. Do not share that backup publicly.

16. Profile Sync & Account Switching

The profile menu links the inbox identity to configured mail accounts and supports real Google profile images when available.

Feature / Control	What it does / how to use it
Profile menu	Top-right profile control opens the account/profile panel.
Account list	Configured mail IDs appear as switchable profile/account items.
Real photo support	Google or Gmail accounts can start a separate OAuth flow to sync the profile photo.
Fallback avatar	If a real image is not available, the UI builds a fallback avatar from account name/email.
Add another account	Profile menu includes + Add another account.
Sign out all	Profile menu includes Sign out of all accounts.
Avatar consistency	Large profile avatar, mini topbar avatar and account-list avatar are updated together.
Profile account state	Selected account can update the visible identity without losing the saved configured account list.

17. App Update, Support & Service Assistance

Separate views provide build/update information and user-facing support without mixing those controls into the inbox list.

Feature / Control	What it does / how to use it
App Update view	Shows app update/workflow desk, install/update status and whether the system is up to date.
App update API	Backend can read and save app-update information for the front end.
App data API	General app data can be read/saved through dedicated endpoints.
Workflow cards	Update page includes Login Checklist, Inbox Flow, Provider Settings, New App Install, After Update and Publish workflow cards.
Support Center	Support page is intended for mail login, inbox loading, sending, verification, storage and app-update help.
Contact fields	Name, Mobile, Email and Message fields are included.
Send support message	Support UI includes a Send action for the entered request.
Upgrade/storage assistance	Settings/support code contains plan selection and upgrade-support information fields.
Ad sections	Page ad areas can use Google Ads mode or a custom notice/promotion.
Support navigation	Support is a first-class sidebar view and hides the normal mail toolbar while open.

18. Technical Architecture & Data Model

This section explains what the supplied package is built from so updates and troubleshooting are easier to reason about.

Feature / Control	What it does / how to use it
Backend	FastAPI application served with Uvicorn.
Frontend	Static HTML, CSS and JavaScript served by the same local backend.
Database	SQLite database <code>moxie_mail.sqlite3</code> with WAL mode and indexed cache tables.
Encryption	Cryptography/Fernet protects saved account secrets using a local key file.
IMAP	Mail client connects to provider IMAP servers to list folders, fetch mailboxes, read full messages and change flags.
SMTP	Mail client tests login, chooses connection candidates and sends MIME email through provider SMTP.
Mail parsing	Backend cleans headers, extracts HTML/text, handles inline images and collects attachment metadata.
State tracking	Separate tables track seen/starred overrides, deleted mail, spam-moved mail and per-mailbox sync state.
Background work	Thread-pool/background send and sync-related routes prevent all work from blocking the front end.
Provider presets	Known provider defaults help pre-fill common IMAP/SMTP settings.
Local-first default	Supplied launchers bind to localhost rather than exposing the service publicly by default.
Spreadsheet support	OpenPyXL is bundled for spreadsheet-oriented import/export utilities used by the broader package.

19. Practical Workflows

Short recipes for the most common Mail Inbox tasks in the supplied package.

A. First-time setup

1. Run `RUN_WEB.bat` and wait for the local service to start.
2. Open the login page and sign in or create/verify an account.
3. Click + Add Mail ID and choose/detect the provider.
4. Enter email plus app password/credential, IMAP host/port and SMTP host/port.
5. Run Test Mail Login and save only after IMAP + SMTP verification succeeds.
6. Click Load Mail, then confirm Inbox/Sent/Spam counts appear as expected.
7. Open Settings and choose density, theme, reading pane, cache and signature preferences.
8. Export an account/mail-cache backup before large changes.

B. Read, reply and follow up

1. Open Inbox and select the correct mail account/mailbox.
2. Use Search or All/Unread/Starred/Today filters to find the message.
3. Open the message in the reader and review sender, subject, body and attachments.
4. Choose Reply for an immediate response, or Forward for another recipient.
5. Use Follow Up if the message needs a later action; set Due and add a Note.
6. Open Followups later and mark the reminder Complete or Delete it.

C. Compose a new mail

1. Click Compose and select the From account.
2. Enter To, optional Cc/Bcc and Subject.
3. Write the body and use formatting, link/image/emoji, attachments, template and signature tools as needed.
4. Use Save draft if the message is not ready.
5. Use Send/Send now when final; if Confirm before send is enabled, approve the confirmation.

D. Clean backup/update routine

1. Export SMTP/account configuration and Email cache.
2. Copy the stable data directory, `moxie_mail.sqlite3` and `.moxie_mail_key` together.
3. Install/replace the application build without deleting the stable data directory.
4. Start the app and verify Accounts, Inbox cache, Drafts and Followups are still present.
5. Re-test one account and check Mail Health after the update.

20. Troubleshooting Checklist

Use these checks before assuming the mailbox database or provider account is damaged.

Feature / Control	What it does / how to use it
Python not found	Install Python 3.10+ and rerun the launcher.
Package install fails	Check internet/proxy access, then run <code>pip install -r requirements.txt</code> manually from the project folder.
Port 8088 already in use	Close the other service using 8088 or change the launcher/backend port consistently.
Login page does not appear	Confirm <code>RUN_WEB</code> is still running and browse to <code>http://localhost:8088/login</code> .

Feature / Control	What it does / how to use it
Domain mail verify fails	Check SMTP host, port, encryption/authentication, email and provider credential/app password.
Mail account test fails	Recheck IMAP host/port, SMTP host/port, TLS choice and provider security settings.
Gmail password rejected	Use the provider-approved OAuth/app-password method when normal passwords are blocked.
Inbox shows old mail only	Run Load Mail and check Settings: Open saved mail first / Load only new mail.
No messages after import	Open Accounts, verify the imported IDs, then refresh the relevant mailbox.
Send fails	Re-test SMTP login and confirm sender account, recipient format, TLS/port and provider sending limits.
Spam/Trash looks stale	Refresh the specific mailbox and allow the provider operation to finish before judging the saved cache.
OAuth callback error	Confirm the configured OAuth client ID/secret plus redirect URI and origins match the provider console exactly.
Old passwords cannot decrypt	Restore the matching .moxie_mail_key together with the database; a new key cannot decrypt old tokens.
Data disappears after update	Check the stable data directory and restore/copy the previous database/key backup rather than replacing them independently.
UI appears unchanged	Hard-refresh the browser and confirm the running backend is from the intended project folder.
Mail Health empty	Load/sync mail first; the health dashboard is based on saved mail-cache data.
Security issue suspected	Stop the local service, rotate provider passwords/app passwords/OAuth secrets, then re-verify saved accounts.

21. Full Feature Index

Quick reference of the major capabilities identified in the supplied Mail Inbox package.

Authentication Email login, account creation, remember me, forgot/reset, OTP, magic link, Google, Microsoft, domain-email verification.	Inbox navigation Inbox, Sent, Purchases, Social, Updates, Forums, Promotions, Spam and Trash.
Message filters All, Unread, Starred, Today, important marker and inbox-type ordering.	Mail actions Refresh, archive, delete, mark read, star, move, label, spam move and permanent delete support.
Reader Two-panel message view, full-message fetch, attachments, reply, forward and follow-up.	Compose fields From, To, Cc, Bcc, Subject and rich body editor.
Rich formatting Undo/redo, font, size, bold, italic, underline, strike, colors, alignment, lists, indent, divider and clear format.	Compose extras Attachments, link, emoji, image, confidential UI, signature, template, save draft, schedule control, full screen, plain text, print and spell check.
Drafts Local draft storage, draft list and draft count.	Followups Due time, note, complete/delete and message linkage.
Accounts Provider detect, app password, IMAP/SMTP fields, TLS, test/save, edit/delete, import/export and bulk deletion.	Provider presets Gmail, Outlook/Hotmail/Live, Yahoo, iCloud, AOL, Proton, Zoho, Yandex, Mail.com, GMX and custom.
Mail Health Total IDs, active accounts, saved mails, inbox health, spam risk, unread, sent, last sync, volume and risk gauges.	Settings Inbox behavior, density, theme, reading pane, account defaults, safe delete, cache, compose and feature toggles.
Signature Saved signature template and automatic new/reply/forward insertion controls.	Templates Save template and insert section/full template controls.
Profile Account switcher, Google photo sync, fallback avatar, add account and sign out all.	Data tools Email import/export, SMTP import/export, mail-cache status/save/export/import.
Persistence SQLite WAL database, stable data path, legacy migration, JSON backups and local UI state.	Encryption Fernet-encrypted saved mail-account passwords with local key file.
App Update Update/status page plus app-data/update APIs.	Support Support Center and upgrade/storage assistance fields.
Local server FastAPI/Uvicorn service on localhost:8088 from supplied batch launchers.	
User guide complete Mail Inbox startup, secure access, inbox, folders, compose, accounts, health, settings, backups, profile, support, workflows and troubleshooting are covered in this guide.	