

Mailmax Campaign Automation Module Layout

1. The Dashboard

When a user opens the application, it must **automatically load into the main Dashboard page**. This page is the central hub for daily work.

- **Primary View:** The dashboard will show a summary (e.g., "300 letters pending today") for the user's "active" campaign.
- **Active Campaign Selector:** The UI must have a primary dropdown menu (e.g., in the header) that allows the user to select which campaign is "active." When a user selects a different campaign, the dashboard data will reload.
- **Action Buttons:** The dashboard page must feature two primary buttons for the daily workflow:
 1. **[Print Today's Batch] Button:** This is the main "go" button. It takes the complete list of pending letters for the active campaign and processes it, sending jobs to the printers or generating PDFs.
 2. **[Refresh for New Leads] Button:** This button should also be on the dashboard. When clicked, it immediately re-runs the API search *for the active campaign*, finds new leads, and updates the pending letter count on the dashboard.

2. Campaign Setup

This is how a user will create and configure their campaigns. A user must be able to **Create, Edit, and Delete** campaigns.

When setting up a new campaign, a user must configure the following settings for *that specific campaign*:

- **A. Lead Source (API Search):**
 - Input fields for the **API search criteria** (filters, location, etc.).
 - A scheduler to set when this search runs automatically (e.g., "Daily at 6:00 AM").
- **B. Follow-Up Sequence (Stages):**
 - The user must be able to define a sequence of one or more "Stages."
 - Each Stage requires three settings:
 - **Stage Name:** A label for the user (e.g., "First Contact Letter").
 - **Letter Template:** A way to select the letter document to be sent (e.g., from a dropdown list of all templates previously uploaded to a 'Template Library').
 - **Trigger (Timing):** The number of days to wait *after the previous stage* (e.g., Stage 1 = "0 days," Stage 2 = "3 days").
- **C. Printer & Output Settings:**
 - These settings are unique to each campaign.
 - **Letter Output:**

- A toggle switch labeled "**Set Automatic**" (ON/OFF).
- **If ON:** A dropdown menu that can **scan for available printers** and allow the user to select a specific printer for automatic sending.
- **If OFF:** The system will generate a **PDF file** and save it to a user-specified directory.
- **Envelope Output:**
 - A toggle switch labeled "**Set Automatic**" (ON/OFF).
 - **If ON:** A dropdown menu that can **scan for available printers** and allow the user to select a specific printer for automatic sending.
 - **If OFF:** The system will generate a **PDF file** and save it to a user-specified directory.

3. Supporting Utilities

These are features that support the whole system, separate from any single campaign.

- **A. Blacklist Module:**
 - **Action:** A global search function to find any property and apply a "Blacklist" status.
 - **Rule:** This status must be **permanent and global**, stopping all current and future mailings for that property from *all* campaigns.
 - **Management Page:** We need a separate menu/page to view all blacklisted properties. This list must show:
 1. The **Property Address**.
 2. The **Timestamp** of when it was blacklisted.
- **B. System-Wide Error Logging:**
 - **User Feedback:** If an API search or printer job fails, a simple error message must appear on the screen (e.g., "Error: Connection to printer failed.").
 - **Log Access:** The system must maintain a detailed event log. This log must be accessible in two ways:
 1. **In-App Viewer:** A viewable page under a "System Settings" menu where the user can read the log.
 2. **File Access:** The log should also be written to a physical **text file** (e.g., `mailmax_log.txt`) in the application's file directory for direct access.