Introduction

What is T-Mail?

T-Mail is a modern temporary email web application designed to help users generate disposable email addresses instantly. It provides a hassle-free solution to protect privacy and reduce unwanted emails by allowing users to create temporary inboxes without registration or revealing personal information.

T-Mail is particularly useful in scenarios where sharing a permanent email address is unnecessary or risky—such as signing up for websites, downloading resources, or testing email-based systems.

Purpose of the Product

The internet is full of situations where sharing your real email address can lead to **spam, promotional overload, or even privacy breaches**. T-Mail addresses this problem by offering an easy-to-use, secure, and anonymous email service that generates temporary email addresses on the fly.

Key Objectives:

- **Protect User Privacy:** Prevent spam and phishing by using disposable addresses.

- **Simplify Testing Workflows:** Help developers and QA testers quickly validate email workflows without using personal accounts.

- **Enable Anonymous Access:** Provide a one-click solution for users who need an email address without compromising their identity.

Who Should Use T-Mail?

T-Mail is designed for a wide range of users:

User Type	Use Case
General Users	Avoid spam during online registrations or downloads.
Developers	Test sign-up forms, OTP systems, or email verification.
QA Testers	Perform email workflow tests without personal emails.
Digital Marketers	Explore how promotional campaigns appear to users.
Researchers	Sign up for platforms to gather data anonymously.

Quick Summary of Features

- 🔄 **Instant Email Generation**: Auto-generates a working temporary email as soon as the user opens the website.

- 📥 **Real-Time Inbox**: Fetch and display incoming emails in real-time using a connected email API.

- ⏲️ **Temporary Storage**: The generated email is valid for **10 minutes** (configurable based on the API).

- 🛡️ **No Sign-up Required**: Users remain anonymous—no account creation, no personal data.

- 🖥️ **Lightweight & Fast**: Built as a **single-page application (SPA)** for seamless interaction.

- 🎨 **Minimalist UI**: Clean and user-friendly interface with modern design principles.

- ⚙️ **API-Driven**: Powered by third-party temp mail APIs to handle email generation and inbox management.

Why T-Mail?

In an era of increasing digital clutter and privacy concerns, **T-Mail offers a simple yet powerful solution** for anyone needing a fast, secure, and anonymous way to manage disposable emails.

Tech Stack & Tools

T-Mail is crafted with a modern, lightweight, and highly maintainable tech stack, ensuring exceptional performance, user experience, and maintainability in 2025 and beyond.

Technology	Purpose	Why It's Used
HTML5	Document structure and markup	The backbone of web applications; ensures semantic, accessible structure.
Tailwind CSS	Styling and UI	Utility-first CSS framework for rapid, responsive design; minimizes custom CSS.
JavaScript (ES6+)	Interactivity & logic	Modern web scripting—manages UI behavior, inbox refresh, notifications, and API integration.
qrcodejs	QR code generation	Popular client-side JS library for dynamic QR code creation.

Supporting APIs and Services

- mail.gw Public API
  - Provides temporary email domain management, inbox/message APIs, and account lifecycle management.
  - Used client-side; no backend hosting or server required for T-Mail to function.

Front-End Focused Libraries and Utilities

- Tailwind CSS CDN
    - Enables rapid prototyping and consistent design directly in the HTML.
- Google Fonts (Inter)
    - Clean, legible typography enhances the app's modern look.
- qrcode.min.js
    - Generates shareable QR codes for each temporary address.

Development and Productivity Tools

- Visual Studio Code (VS Code)
    - Recommended code editor for fast edits, built-in Git integration, and AI-powered extensions.
- Live Server / Static File Servers
    - Tools like VS Code's Live Server simplify local development and testing.
- Git & GitHub
    - Version control with collaboration, project visibility, and easy issue tracking.

Modern Front-End Development Practices

- Responsive Design
    - Tailwind's utility classes ensure the app works beautifully on both mobile and desktop.
- Progressive Enhancement
    - Gracefully degrades if some JS features are unavailable; core email functionalities remain usable.

Why This Stack?

- No Backend/Database Needed
    - Client-only stack reduces hosting complexity and security risks—open in any browser and use.
- Highly Maintainable
    - Utility CSS (Tailwind) and modular JavaScript make updates and feature additions straightforward.
- Best-in-Class User Experience

- Features like clipboard integration, instant inbox, notifications, and QR codes ensure T-Mail stands out compared to typical temp mailers.
- Easy Customization
  - Change branding, colors, or behavior with a few edits—ideal for white-labeling or hobby projects.

In summary, T-Mail's tech stack is modern, minimalist, and extensible by design—ensuring blazing-fast performance, easy setup, and a delightful user experience using only today's best front-end technologies and cloud APIs

Installation & Setup Guide

1. Requirements

- A modern web browser: Chrome, Firefox, Edge, Safari, etc. (latest versions recommended)
- No server setup required: T-Mail runs 100% client-side with zero backend needs.
- Internet connection: Required for mailbox API access and full feature functionality.

2. Downloading T-Mail

You can get the latest version of T-Mail from its public GitHub repository:

- Project Repository: AaryanPathak31/Temp-Mail

Two easy ways to download:

- Option A: Download ZIP
    1. Visit the GitHub repo page.
    2. Click Code > Download ZIP.
    3. Extract the ZIP file anywhere on your computer.
- Option B: Clone with Git
- This will create a folder with all project files in your current directory.

3. Basic Setup & Running

Quick Launch (No Installation Required)

1. Navigate to the extracted/project folder.
2. Double-click `index.html` or right-click and select Open with... > your preferred browser.
3. T-Mail will open instantly. All features are available without any extra steps.

Serving Locally (Recommended for Developers)

For hot-reloading, improved file permissions, or mobile access:

- Using VS Code Live Server:
    - Open the folder in Visual Studio Code.
    - Install the "Live Server" extension.
    - Right-click `index.html` and select Open with Live Server.

4. Project Structure Overview

```text

/Temp-Mail
  |-- index.html       # Main application file
  |-- favicon.svg      # App favicon (customizable)
  |-- README.md        # Documentation and instructions
```

No build process is required. Dependencies (TailwindCSS, qrcodejs) are loaded via CDN.

- Modify or review all code and styling directly in `index.html`.

6. First-Time User Steps

1. Open T-Mail in your browser.
2. A temporary email address will be generated automatically.
3. Start receiving emails instantly. Use the interface to:
    - Copy or share your address.
    - Generate QR codes.
    - View, refresh, or manage your inbox.
    - Extend or delete your temp address as needed.

7. Troubleshooting Tips

- Page doesn't open? Make sure you're using a modern browser and have internet connectivity.
- Mail not arriving? See if API services are available and avoid browser plugins that block scripts.
- Notifications not working? Ensure you have granted notification permission when prompted.

8. Upgrading & Keeping Up-To-Date

- To update, simply replace your files with the latest from the GitHub repository.
- Check the releases page for updates and new features.

9. Advanced: Contributing or Extending

- Fork or clone the repository to start contributing.
- All code is in a single HTML file for simplicity—ideal for customization or learning.
- Use GitHub issues or pull requests for questions, bug reports, or improvements.

You're now ready to use and extend T-Mail for privacy-focused, hassle-free temporary email needs!

Github Link :- https://github.com/AaryanPathak31/Temp-Mail

Usage Guide

Getting Started

T-Mail is exceptionally simple to use, with zero setup required for end-users. Follow these steps to start leveraging the power of temporary emails:

1. Launch the Application

- Download T-Mail from GitHub ([see repo](#)).
- Open the `index.html` file in any modern browser (Chrome, Firefox, Edge, Safari, etc.).
- The app will auto-generate a new, secure temporary email address for you.

2. Using Your Temporary Inbox

Copy & Share Your Address

- Copy: Click the Copy button next to the email display to copy your email address to the clipboard (with confirmation).
- QR Code: Click the QR Code button to generate a scannable code for sharing your address instantly.
- Custom Email: Enter a preferred name in the "Create a Custom Email" field and click Get to generate a personalized temp address.

Managing Incoming Emails

- New emails auto-refresh every 5 seconds; you'll see them appear in your Inbox pane.
- Manual Refresh: Use the refresh icon for instant inbox updates.
- Notifications: Allow browser notifications for real-time alerts when a new email arrives.

Viewing & Managing Messages

- Open: Click on any message in the Inbox to view its full content, sender details, and timestamp.
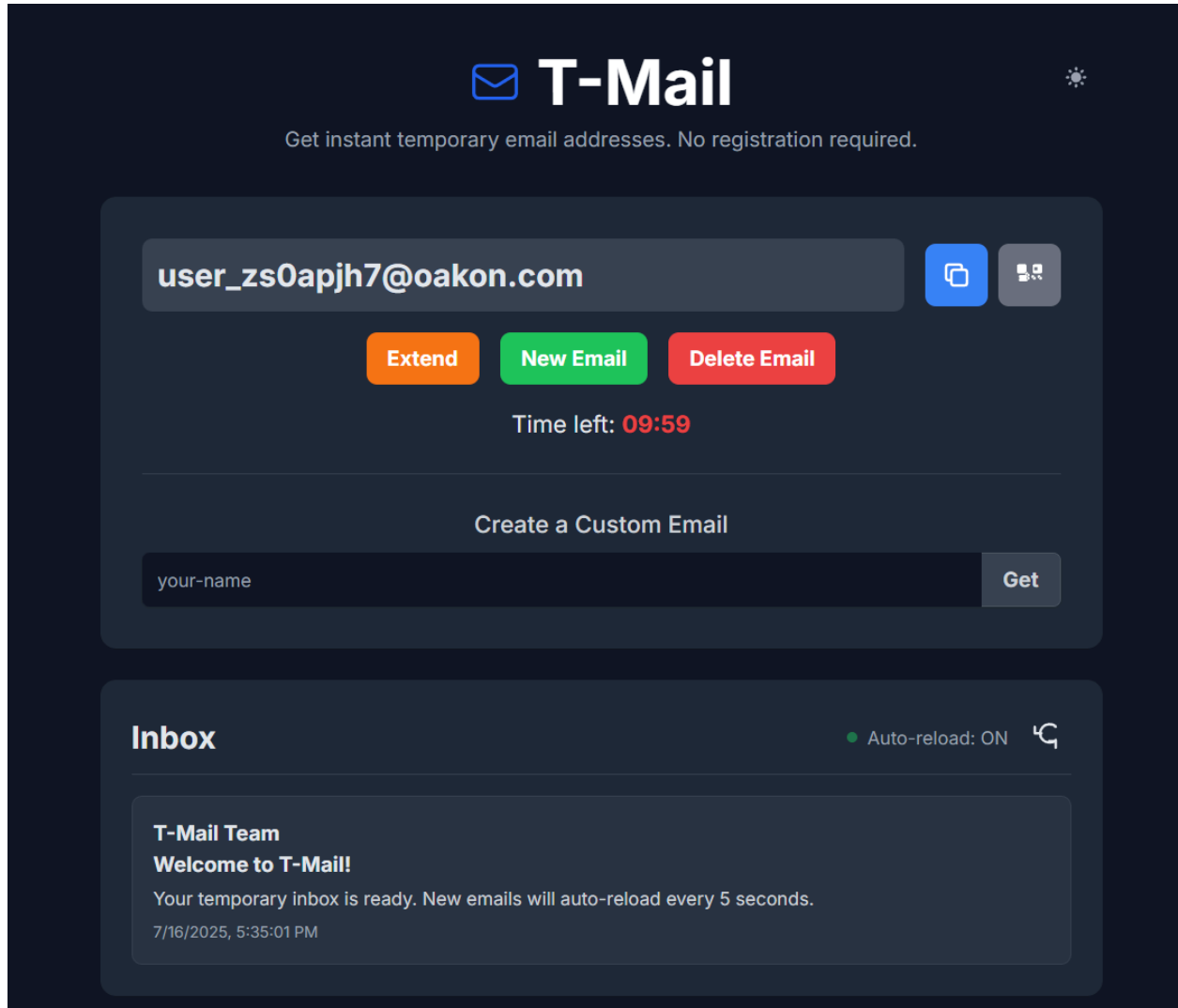
- Delete Message: Use the Delete icon (either inside the message or from the inbox list) to remove.
- Delete Inbox: Use the Delete Email button to remove the entire mailbox/account.

Email Expiry & Extension

- Timer: Your temporary address is active for 10 minutes (countdown shown).
- Extend: Click Extend to reset the timer to 10 minutes at any point before expiry.

User Interface Overview

Below are the screenshots of T-Mail showcasing the core user interface and workflow:

✉ T-Mail

Get instant temporary email addresses. No registration required.

☀

user_zs0apjh7@oakon.com   ⧉   ⬚

Exter[ ]   [   ]   [ ]Email

Your Email QR Code

Close

your-name   Get

Inbox

● Auto-reload: ON ↲

T-Mail Team
Welcome to T-Mail!
Your temporary inbox is ready. New emails will auto-reload every 5 seconds.
7/16/2025, 5:35:01 PM

📧 T-Mail

Get instant temporary email addresses. No registration required.

☀

aaryan111@oakon.com

Extend **New Email** **Delete Email**

Time left: **09:59**

Create a Custom Email

aaryan111   Get

Inbox

● Auto-reload: ON ↻

T-Mail Team
Welcome to T-Mail!
Your temporary inbox is ready. New emails will auto-reload every 5 seconds.
7/16/2025, 5:35:46 PM

✉ T-Mail

Get instant temporary email addresses. No registration required.

☀

Name already taken or invalid.

📋 ▦

Extend　　**New Email**　　Delete Email

Time left: **10:00**

Create a Custom Email

aaryan11　　　　　　　　　　　　　　　　　　**Get**

Inbox

● Auto-reload: OFF　↻

T-Mail Team
Welcome to T-Mail!
Your temporary inbox is ready. New emails will auto-reload every 5 seconds.
7/16/2025, 5:36:01 PM

✉ T-Mail

Get instant temporary email addresses. No registration required.

☀

user_h51zvog5@oakon.com   📋 ⬚

Extend   **New Email**   **Delete Email**

Time left: **09:32**

Create a Custom Email

aaryan11   Get

Inbox

● Auto-reload: ON ↺

Lovable
Verify your email for Lovable.dev   🗑
7/16/2025, 5:36:46 PM

user_h51zvog5@oakon.com

Extend **New Email** **Delete Email**

Time left: **09:19**

Create a Custom Email

aaryan11 **Get**

Verify your email for Lovable.dev

Delete **Back**

From: Unknown Sender
Date: 7/16/2025, 5:36:46 PM

Hello,
Follow this link to verify your email address.
https://lovable.dev/auth/action?
mode=verifyEmail&oobCode=KAG54xUZ_HBxn3Vfke2jmH43GF-IS5RWYqxBNth-
nWAAAAGYEyFMhQ&apiKey=AlzaSyBQNjlw9Vp4tP4VVeANzyPJnqbG2wLbYPw&lang=en
If you didn't ask to verify this address, you can ignore this email.
Thanks,
Your Lovable team

Summary & Final Notes

Contributing to T-Mail

We welcome contributions to help improve **T-Mail**! Whether you're fixing bugs, adding new features, improving documentation, or suggesting enhancements, your involvement is highly appreciated.

How to Contribute:

1. **Fork the Repository**
   Click the **Fork** button on GitHub to create your own copy of the project.

Create a Feature Branch

Commit Your Changes
Write clear, concise commit messages following conventional guidelines.

Push to Your Forked Repo

Submit a Pull Request (PR)
Open a PR with a detailed description of the changes you've made.

Contribution Guidelines:

- Follow clean code practices and comment where necessary.

- Ensure UI/UX consistency.

- Test your changes thoroughly before submitting a PR.

- Respect the project's scope—keep it lightweight and minimalist.

Acknowledgements & Thanks

A special thanks to:

- **Open Source API Providers** – for enabling real-time email generation and inbox handling.

- **Tailwind CSS** – for simplifying the styling process with utility-first design.

- **GitHub Community** – for providing a platform to share and collaborate on projects.

We also extend gratitude to all early users, testers, and contributors who helped shape this project.

Final Summary

T-Mail is built with simplicity, privacy, and efficiency in mind. It serves as a lightweight tool for:

- Generating temporary disposable email addresses

- Preventing inbox spam

- Testing email workflows quickly and securely

By keeping the interface clean and minimizing friction, **T-Mail empowers users to stay anonymous and protected online without compromising ease of use**.

We hope this tool adds value to your daily browsing, testing, or development workflow. Your feedback and support are invaluable in keeping this project evolving.

Contact & Support

If you have any questions, feature requests, or feedback:

- **GitHub Issues:** [Submit an Issue](#)

- **Email:** aaryanpathak3104@gmail.com

- **GitHub Profile:** [AaryanPathak31](#)

Thank you for using **T-Mail!** 🚀