Unfortunately… v1 Tooling List (Downloadable)

1. Browser Extension

Languages

- JavaScript (ES6+)
- HTML
- CSS

Chrome APIs

- manifest.json (Manifest V3)
- content_scripts
- chrome.storage.local
- chrome.runtime
- chrome.scripting

Key Extension Files

```
/extension
├── manifest.json
├── content.js        # Gmail DOM interception
├── background.js     # detection logic + messaging
├── popup.html        # streak + stats
├── popup.js
├── styles.css
```

Gmail DOM Handling Tools

- Vanilla JS
- MutationObserver
- Gmail-specific selectors
- Optional: gmail.js library

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2. AI Proxy (Vercel Serverless)

Platform

- Vercel Serverless Functions (Edge or Node runtime)

Languages

- JavaScript (Node.js / Edge Runtime)

AI Provider Options

- OpenAI API
- Anthropic API

Proxy Responsibilities

- Accept POST requests from extension
- Validate input
- Enforce rate limits
- Call AI API
- Return rewritten text

Rate Limiting Options

- Upstash Redis
- Cloudflare Turnstile
- Simple in-memory limit (v1)

Environment Variables

- AI_API_KEY
- MAX_CALLS_PER_DAY (optional)

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3. AI Prompt & Rewrite Control

- System prompt (defines humor style)
- Rewrite prompt template (personalized for user email)
- Stored in proxy for easy updates

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4. Local Storage (No backend DB)

- chrome.storage.local
- Store:
- Rejection count
- Streak
- Last rewrite cache
- Humor preference

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5. Pricing & Payments (Optional v1)

- $1/year copy
- Soft paywall
- Later: Stripe Payment Links or Gumroad

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6. Design & Assets

- Logo/Icon (Figma)
- Export sizes: 128x128, 48x48, 16x16
- Animations: CSS or canvas-confetti for acceptance

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7. Testing & Debugging

- Chrome DevTools
- Gmail test inbox
- Vercel logs
- Incognito profile for extension testing

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8. Deployment & Distribution

- Chrome Web Store developer account ($5 one-time)
- Privacy policy page
- Vercel project + API route (free tier sufficient)

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9. What You Do NOT Need (v1)

- React
- Databases
- Auth
- Redux
- Analytics
- Mobile app

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10. Recommended Build Order

1. Extension skeleton + Gmail detection
2. Local rejection counter
3. Vercel proxy + AI rewrite
4. Replace email content
5. Acceptance celebration
6. Polish & ship