

INNODEV 2025 ABSTRACT



DEADMAN-LINK

-Tracking what silence hides

TEAM: STRANGEDEVS

THEME- DEADMAN-LINK: INTELLIGENT
CONDITIONAL & SELF-DESTRUCTING
URL SYSTEM

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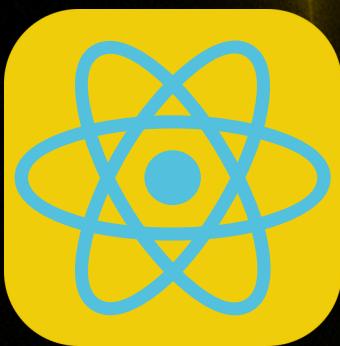
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TECHNOLOGY STACK (PROPOSED)





FEATURES PROPOSED

BASIC

User-side Features

- 1. Instant Link Shortening:** Generate a compact, shareable short link from any URL in a single click which is ready to copy or QR-encode.
- 2. Creator / Preview Avatars:** A small avatar for link creators makes the system feel more personal and trustworthy.
- 3. Custom Slug Support:** Allow creators to choose a human-readable slug when available to make links memorable and brandable.
- 4. Self-Destruct Timer / Expiry Date:** Set an exact timestamp after which the link becomes inactive and shows an expiry message instead of redirecting.
- 5. One-Time Access Mode:** Make a link usable only once; it invalidates immediately after the first successful access.
- 6. Multi-Use Countdown:** Limit the total number of accesses (e.g., 3, 5, 10); the link auto-destroys when the count is reached.
- 7. Password Protection:** Protect a link with a password that is hashed server-side; visitors must enter the password to proceed.
- 8. Link Preview Mode:** Optional intermediate page that shows the destination, basic safety info, and a confirm button before redirecting.
- 9. QR Code Generation:** Auto-generate a downloadable QR code for each shortened link for easy offline sharing.
- 10. Basic Dashboard:** A simple dashboard to list, filter, create, edit, and delete links built for quick management.

BASIC

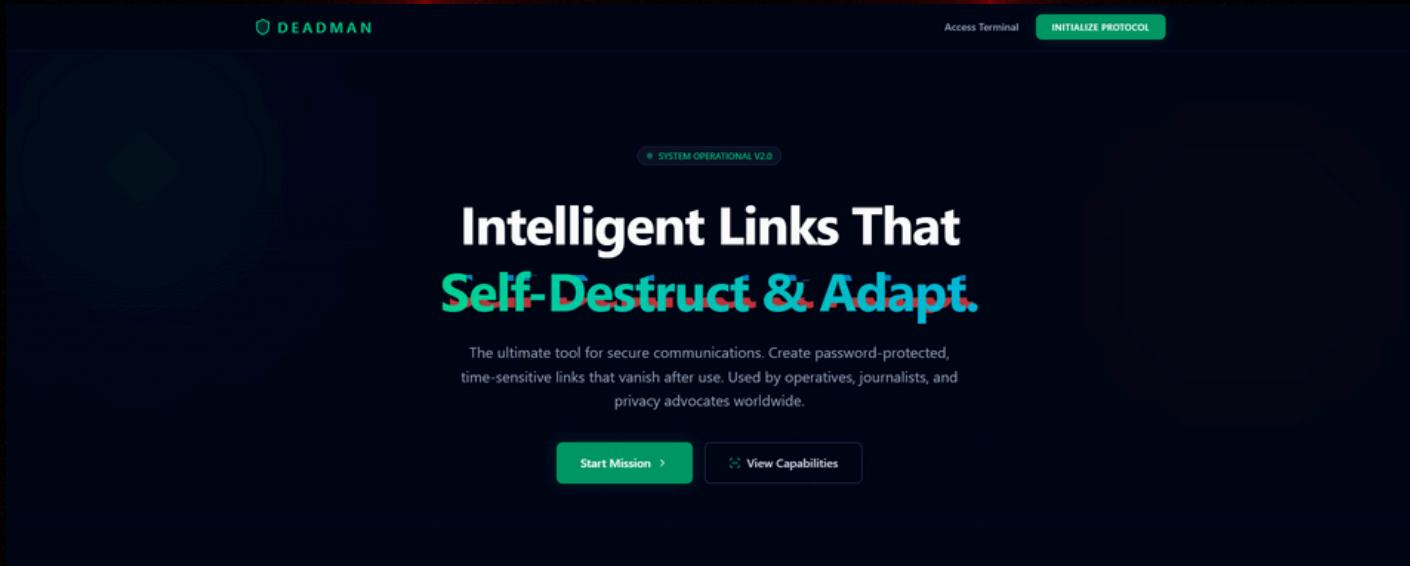
- 11. Click Tracking (minimal):** Record lightweight metadata like click count, timestamp, and user agent while prioritizing user privacy.
- 12. Collections / Folders:** Organize links into named folders for tidy grouping and faster retrieval.
- 13. Quick Copy / Share:** One-click copy and share buttons for common platforms so links can be distributed instantly.
- 14. Favorites / Highlights:** Mark frequently used links as favorites for immediate access from the dashboard.

ADVANCE

- 1. Dynamic Conditional Redirects:** Change the destination based on simple rules (time of day, device type, click count, weekday/weekend).
- 2. Scheduled Activation & Auto-Disable:** Define an activation window for a link so it only works during a specified start/end timeframe.
- 3. Webhook Integrations:** Call an external URL when events occur (first click, expiry, one-time use complete) to trigger external workflows.
- 4. AI Link Safety Scanner:** Use heuristic or ML checks to flag suspicious destinations and warn creators before they share.
- 5. AI Analytics Insights:** Provide interpreted insights peak times, unusual spikes, and predicted link exhaustion rather than raw numbers



DESCRIPTION OF WEBSITE



Deadman-Link works by sending small heartbeat signals from the user's device to the server at regular intervals. Each signal carries the user's location and activity status. The system quietly watches these updates in the background.

If the signals stop for too long, the monitoring engine marks the user as silent and triggers an automated alert to their trusted contact.

Everything runs in real time, with a dashboard that shows the latest status, recent pings, and last-known location — making sure no quiet moment goes unnoticed.