Decide-O-Mat

Collaborative Decision Making, Simplified.

The Problem

- **Scheduling is solved.** We have tools like Doodle for finding a time.

- **But how do we decide *what* to do?**

- Group chats get messy.

- Polls are too rigid and don't allow nuances.

- Important team decisions lack clear documentation and structure.

The Solution

Decide-O-Mat is a minimalist, highly scalable web application designed to facilitate collaborative decision-making through a pro/con list mechanism.

- **No login required** for basic use.
- **Simple capability URLs** for instant sharing.
- **Democratic** voting and argument gathering.

Key Features (Core)

- **Instant Creation:** Enter a question ("Where should we go for lunch?") and get a shareable link instantly.

- **Pros & Cons:** Participants add arguments for and against the decision.

- **Voting Mechanism:** Upvote/downvote arguments, and cast a final Yes/No/Abstain vote.

- **Real-time Consensus:** See the winning side and net scores immediately.

Advanced Capabilities (GenG Compliance)

Decide-O-Mat scales from casual lunch polls to formal, legally binding resolutions (v2.0).

- **Granular Settings:** Open vs. Closed participation, Secret Voting, varying Majorities & Quorums.

- **Formal Protocols:** Automated generation of PDF protocols (Niederschrift) with canonical hashes.

- **Signatures:** Advanced Electronic Signatures (AES) built-in, Qualified (QES) optional.

- **Audit Trails:** Append-only, hash-chained logs for maximum integrity.

Future Evolution (Roadmap)

Decide-O-Mat is continuously evolving. Our mid-term roadmap focuses on compliance, data sovereignty, and flexibility:

v3.0: GenG Compliance (Formal Resolutions)

- Legal certainty for cooperatives (Genossenschaften) and associations.
- Granular settings: Secret voting, write-once votes, quorums.
- Automated, cryptographically hashed PDF protocols.
- Advanced and Qualified Electronic Signatures (QES).

v4.0: Stackit Fork (Data Sovereignty)

- A dedicated branch fully hosted on European Sovereign Cloud (Stackit).
- Complete alternative to the default Google Cloud Firebase backend.
- Meeting the highest data privacy requirements for public sector and enterprise clients.

Target Audience

Built for **Scalability**, **Cost-Efficiency**, and **Speed**.

- **Frontend:** React SPA (Vite), highly responsive, optimistic UI updates.

- **Backend:** Google Cloud Functions (Node.js 20, 2nd Gen) - Scales to zero.

- **Database:** Cloud Firestore (NoSQL real-time document store).

- **Hosting:** Firebase App Hosting (Prod/Staging environments).

Security & Privacy First

- **End-to-End Encryption (E2EE):** Sensitive decision data is encrypted before leaving the browser.

- **Anonymous Identity:** Participate securely without creating a persistent account.

- **Immutable Ledger:** Formal votes and audit trails are write-once and cryptographically hashed.

- **Capability URLs:** Access control through secure, unguessable links.

Thank You

Decide-O-Mat

Making group decisions fast, fair, and documented.