Below is a single-document specification that gathers **everything we sketched across the conversation**—purpose, features, workflows, storage/encryption approach, plus the backlog items we parked for “later.” Feel free to copy-paste it into Notion, Confluence, Google Docs … wherever you track product specs.

## **0. High-level vision (“Why”)**

*“Capture the spark of a* ***Dream****, shape it into a concrete* ***Vision****, flesh it out visually via a* ***Mood Board****, then drive it into reality with a* ***Trip Layer****—all in one place, shareable, offline-friendly, and secure enough for brand documents.”*

## **1. Dream Board (“spark”)**

| **Theme** | **Details** |
| --- | --- |
| **Purpose** | Fast, friction-free place to jot ideas while inspiration strikes (on a mountain, train, airplane). No heavy editing UI, no collaborators required. |
| **Core fields** | • Title • Rich description (Trix WYSIWYG online / plain textarea offline)• Anchors *(quick tags)*: **locations, brands, people, seasons/time**. |
| **Offline first** | *PWA* + local IndexedDB queue.• “Save Dream” button stores JSON in dream\_queue.• When device reconnects, queue is POSTed to /api/dreams/offline-sync & auto-purged. |
| **Permissions** | Default **private** (creator only). Auto-upgrade to “needs sharing” after attachment to a Vision or when collaborator invited. |
| **UX** | • Mobile FAB ➜ full-screen modal.• Minimal toolbar (Bold, Italic, Strike, Bullets, Numbered).• Anchors shown as inline tags; *+* button opens a one-line input. |
| **Archive / Trash** | • Archive toggle (soft-hide).• Trash = soft-delete with deleted\_at timestamp; cron purges >30 days. |
| **Telemetry** | Opt-in counter: “Dreams saved offline” → console analytics. |

## **2. Vision Board (“plan”)**

| **Theme** | **Details** |
| --- | --- |
| **Purpose** | Turn a dream into a scoped project—deadlines, deliverables, budgets, brand partners, legal docs, contacts. |
| **Create** | • From scratch **or** “Convert from Dream” (clones title, description, anchors, keeps link). |
| **Structure** | • Goals & milestones (checklist).• Budget lines (amount, currency, paid/unpaid).• Roles matrix (Owner, Editor, Viewer, Co-owner, Delegate).• Start / End date (used for dashboard card ordering). |
| **Documents module** | • Upload PDF, DOCX, XLSX, JPEG, etc.• Each file: **status** (Draft ▸ Waiting Brand ▸ Final ▸ Signed), version history, inline comments. |
| **Document storage & encryption** | 1. File uploaded → stored outside web-root /storage/private/{uuid}.2. AES-256 encrypted **at rest**; key derived from openssl\_random\_pseudo\_bytes(32) and stored in DB column enc\_key (per file).3. Access only via signed controller that checks board\_id + user role, decrypts on the fly, streams as Content-Disposition: attachment. |
| **Contacts module** | Rolodex table: name, email, phone, address, role, “level of contact” (Primary, Secondary…).• Contacts can be reused across boards (“link existing”). |
| **Delegation** | Owner can grant *“Act on behalf”* rights (delegate gets full edit + comment but actions are logged as “Done by Alice on behalf of Bob”). |
| **Approval flow** | Optional toggle per Vision: “changes require owner approval.” Edits are saved as pending; owner gets in-app + email notification to approve / reject. |

## **3. Mood Board (“visualise”)**

| **Theme** | **Details** |
| --- | --- |
| **Purpose** | Rich, drag-n-drop canvas of photos, videos, GIFs, color swatches. Used to pitch the vibe to brands or teammates. |
| **Layout views** | • Freeform grid (re-order by drag).• Masonry.• **Timeline** (if assets have date/time).• List view. |
| **Attachment rules** | • A Mood board **may** exist solo, or be “attached” to any Dream / Vision (many-to-many).• When attached, parent card shows a thumbnail strip ‹4 items›. |
| **Editing** | • Upload / paste URL.• Resize / reorder.• Per-asset caption + “explainers” bubble. |
| **Collab** | Follows parent board’s permissions. |
| **Offline** | Images/videos queued like Dream assets (thumbnail stored in Cache API, original deferred until online). |

## **4. Trip Layer (“execute”)**

| **Theme** | **Details** |
| --- | --- |
| **Purpose** | Calendar + map layer that turns a Vision into a day-by-day shoot plan / itinerary. |
| **Items** | • Segment (start/end date, from → to).• Waypoints (lat/lng, description, media link).• Tasks (shoot A-roll, B-roll, interview, etc.). |
| **Visuals** | • Gantt-style timeline.• Interactive map (Leaflet/Mapbox). |
| **Sync** | • Can live solo or attached to one Vision.• Export to iCal / CSV / printable PDF. |
| **Mobile** | Offline maps tile-cache if user pre-downloads region. |

## **5. Dashboard cards**

* Dream cards: grey tag “Dream” + created date; show 120 char snippet; buttons “⋮ Archive / Delete”.
* Vision cards: blue tag “Vision”, start date badge, % milestones complete.
* Mood-Board-only cards: purple tag “Mood”.
* Ordering: upcoming start date desc, else created desc.
* Tabs: **Active | Archived | Trash**.
* FAB: *“＋ New Dream”* (long-press → choose Vision or Mood instead).

## **6. Roles / permissions (across boards)**

| **Role** | **Can View** | **Can Edit** | **Can Archive** | **Can Delete** | **Can Grant roles** |
| --- | --- | --- | --- | --- | --- |
| **Owner** | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Co-owner** | ✓ | ✓ | ✓ | ✗ | ✗ |
| **Editor** | ✓ | ✓ | ✗ | ✗ | ✗ |
| **Viewer** | ✓ | ✗ | ✗ | ✗ | ✗ |
| **Delegate** | acts as owner but actions logged “on behalf” |  |  |  |  |

## **7. Storage & encryption details**

| **Layer** | **Technique** |
| --- | --- |
| **Relational DB** | MariaDB / MySQL. PK IDs + public slug. |
| **Binary docs** | Stored outside web-root in /storage/private/ (or S3 private bucket).Each file encrypted with unique 256-bit AES key.Key stored **encrypted** in DB with app-wide master key. |
| **Thumbnails** | Generated server-side; stored unencrypted in /public/thumbs/ (low-res only). |
| **Cache busting** | Slug + hash in file name to force CDN refresh on new version. |
| **PWA caches** | shell-v\* for CSS/JS; offline-dreams for queued JSON.Version bump invalidates old shell automatically. |

## **8. Offline features recap**

| **Feature** | **Implementation** |
| --- | --- |
| Dream quick-add | modal stores {title, desc, anchors[]} in IndexedDB queue. |
| Offline banner | Red footer bar “You are offline”. |
| Sync banner | Green bar “✓ N dreams synced”. |
| Cached shell | CSS/JS + /dashboard, /dreams/new pre-cached on first load. |
| Fallback 404 | Returns shell + message, not server 404, so app still usable offline. |

## **9. Analytics / telemetry (optional, opt-in)**

* **dreams created (online / offline).**
* Avg time from Dream → Vision conversion.
* Attachment counts (how many Visions reuse a Mood board).
* Error logging (offline sync failures, decryption failures).

Data stored anonymised; user can toggle “Send usage stats” in settings.

## **10. Back-log / “nice to have later”**

* Global search (title, description, anchors, docs OCR).
* Board templates (e.g., “3-Week Road-Trip with Sponsor”).
* AI tag suggestions on uploaded images.
* Calendar-driven reminders (“shoot starts in 7 days”).
* Public share link with read-only token.
* Batch export (ZIP all docs + itinerary).

### **That’s the complete merged spec 🌟**

Everything we identified—**what** each board is, **why** it exists, key  
 fields, offline behaviour, encryption model, dashboards, roles, and the  
 future backlog—is captured in one place. Adjust wording or priority as  
 you see fit, but nothing from the earlier discussion should be missing.