

High-Level Project Vision Document: GM Scan

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Vision

GM Scan aims to be a comprehensive mobile and web-based application that simplifies information capture and management through various scanning functionalities, enhancing user productivity and data organization.

Business Goals

- To provide users with an efficient and accessible tool for digitizing various types of documents and information.
- To improve data accessibility and retrieval for users through organized storage and management features.
- To enhance user engagement and satisfaction by offering a user-friendly interface with personalized features like favorites.
- To streamline workflows related to document handling and information capture.

Scope

In Scope:

Functions:

- ID Scan (e.g., driver's licenses, passports)
- Book Scan (e.g., pages, covers)
- Business Scan (e.g., business cards, receipts)
- Document Scan (e.g., general documents, notes)

Features:

- User Account Creation
- Add to Favorites
- Document Sorting
- Document Editing
- Document Deletion

Out of Scope: * (To be defined based on further stakeholder input. Potential areas could include cloud synchronization, advanced OCR capabilities beyond basic text extraction, collaboration features, etc.)

Stakeholders

- End-Users (Individuals and Professionals)
- Product Management Team
- Development Team
- Quality Assurance Team
- Legal & Compliance Teams (for data handling regulations)

Features

- **User Account Creation:** Secure user registration and login system to manage personal data and scanned items.
- **ID Scan:** Specialized functionality to accurately capture and recognize information from identification documents.
- **Book Scan:** Capability to scan book pages or covers, potentially with features for page separation and ordering.
- **Business Scan:** Optimized scanning for business cards and receipts, with potential for data extraction (e.g., contact details, amounts).
- **Document Scan:** General-purpose scanning for various document types.
- **Add to Favorites:** Allows users to mark frequently accessed or important scans for quick retrieval.
- **Document Sorting:** Enables users to organize scanned items by various criteria (e.g., date, type, custom tags).
- **Document Editing:** Provides tools to modify scanned documents (e.g., cropping, rotation, text annotation).
- **Document Deletion:** Allows users to remove unwanted scanned items from their collection.

Risks

- **Data Privacy & Security:** Ensuring scanned personal data (e.g., IDs) is stored and handled securely and in compliance with regulations (e.g., GDPR, CCPA).
- **Scan Accuracy & OCR Quality:** Maintaining high accuracy in scanning and text recognition across different document types, lighting conditions, and image qualities.
- **User Adoption:** Ensuring the application is intuitive and valuable enough for users to integrate into their daily workflows.
- **Performance:** Optimizing scanning, processing, and retrieval times, especially on mobile devices.

- **Regulatory Compliance:** Adhering to any specific industry or regional regulations related to document scanning and data management.

Success Metrics

- **User Acquisition:** Number of registered users.
- **Active Users:** Daily/Monthly Active Users (DAU/MAU).
- **Scan Volume:** Total number of scans performed per user/per day.
- **Feature Usage:** Frequency of use for "Add to Favorites", "Sorting", "Editing", "Deletion".
- **User Satisfaction:** Net Promoter Score (NPS) or in-app feedback ratings.
- **Scan Success Rate:** Percentage of scans that are successfully processed and saved without errors.

Roadmap

Phase 1: Core Functionality Development * User Account Management (Creation, Login) * Basic Document Scanning * ID Scan (MVP) * Add to Favorites * Basic Sorting

Phase 2: Enhanced Scanning & Organization * Book Scan * Business Scan * Advanced Sorting & Filtering * Document Editing (Cropping, Rotation)

Phase 3: Refinement & Expansion * Document Deletion * Advanced Document Editing * Performance Optimization * User Feedback Integration

Open Questions

- What are the specific technical requirements or constraints for each scan type (e.g., resolution, file formats)?
- What level of Optical Character Recognition (OCR) accuracy is expected for each scan type? Is text extraction required for all scan types, or only specific ones?
- Are there any specific data retention policies or legal requirements that need to be considered for scanned documents?
- What are the target platforms (iOS, Android, Web)?
- What are the detailed requirements for "document editing"? (e.g., annotation, redacting, text manipulation)
- Are there any specific user roles or permission levels to consider?
- What is the expected user journey for each scan function?