

CommunityInsight.AI Application Feature Specification Document

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1. Introduction

This document outlines the detailed features of the CommunityInsight.AI platform. It is organized for use by designers, engineers, and product stakeholders to plan and execute the build of a functional MVP and future iterations.

2. Feature Table

Feature ID	Feature Name	Description	Persona(s)	MVP/Future	Rationale
F01	Community Feedback Ingestion	Upload or connect forms (Google Forms, Typeform) for feedback input	Admin, Analyst	MVP	Enable data collection from existing sources
F02	Social Media Listener	Connect to Facebook/Twitter pages to ingest community comments	Admin	Future	Extend input sources for real-time sentiment
F03	Natural Language Query	Users ask questions in natural language and get summary answers	End User, Analyst	MVP	Accessibility without technical skills
F04	Theme & Sentiment Extraction	Extract key topics and sentiments using LLM and embeddings	Analyst, Admin	MVP	Derive actionable insights automatically
F05	Visual Dashboard	Auto-generate charts and themes (e.g. word clouds, bar graphs)	Admin, Analyst, Manager	MVP	Show trends and simplify decision-making
F06	Report Export	Generate PDF/CSV reports for grants or stakeholders	Admin, Analyst	MVP	Grant-ready deliverables
F07	Token-based Access System	Tiered access using tokens (Free, Premium)	Admin, End User	MVP	Scalable business model
F08	Civic Portal Integration	Import city council agendas, public comment transcripts	Admin	Future	Deep integration with civic workflows
F09	Multilingual Input & Output	Translate input and output for diverse community inclusion	End User, Analyst	Future	Ensure inclusivity
F10	Data Ethics & Transparency Notice	Auto-generated transparency disclosures per dataset	Admin	MVP	Build trust in AI use
F11	Prebuilt Insight Templates	Templates for school reports, grant applications, issue briefs	Analyst, Admin	MVP	Speed up insight generation
F12	User Role Permissions	Set different permissions for editors, viewers, and data contributors	Admin	MVP	Secure and organized multi-user access
F13	Feedback Trend Alerts	Notify teams of changes in sentiment or spikes in issue mentions	Analyst, Manager	Future	Enable proactive response
F14	Community-facing Dashboard (Read-Only)	Public-facing version of key insights for transparency	Admin, General Public	Future	Inform residents, improve trust
F15	API Access for Civic Developers	Developers can access data and insights via API	Admin, Civic Incubator	Future	Enable ecosystem integration

3. Feature Descriptions by Persona

Admin (Nonprofit/Local Gov Leaders)

- Manage data sources and permissions
- Export reports and generate insights
- Oversee community dashboard publishing

Analyst (Data Staff, Program Evaluators)

- Analyze raw feedback and sentiment
- Use prebuilt templates to generate grant insights

End User (Concerned Citizens)

- Ask natural language questions about public sentiment
- View high-level insight dashboards

Civic Developer/Incubator

- Access APIs and embed features into civic tools

Manager (School Comm., Foundation Officers)

- Track community issue trends
 - Evaluate engagement initiatives via reports
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4. Prioritization and Development Notes

- MVP will focus on ease-of-use for non-technical orgs.
 - Security, ethics, and community readability are core design principles.
 - Feature backlog (Future) will evolve through pilot feedback and GenAI Incubator collaboration.
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