

# Product Requirements Document: CatGPT (MVP)

## 1. Document Control

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  - **Status:** In-progress
  - **Stakeholders:** You (Founder/Developer)
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## 2. Executive Summary

### What are we building?

A modern, dark-themed web app where users can ask an AI cat expert anything related to cats. The AI has been trained on cat-related content from around the world and delivers intelligent, friendly, and helpful responses.

### Why are we building it?

There is growing demand for niche expert AIs. Cat owners and enthusiasts often seek reliable and fun information about cat health, behavior, breeds, and care. This app delivers expert knowledge in a conversational, accessible format.

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## 3. Problem Statement

Users who search for cat-related information must sift through multiple websites with varying credibility. They want quick, trustworthy answers in one place.

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## 4. Goals and Objectives

### Primary Goals:

- Let users input cat-related questions via a simple text prompt.
- Provide AI-generated responses based on global cat knowledge.
- Deliver a modern, visually appealing, dark-mode UI.

### Success Metrics:

- Time to first response < 2 seconds
  - Session completion rate > 80%
  - Positive feedback rate > 70%
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## 5. Scope

### In Scope:

- AI chatbot interface (single prompt + response)
- Dark-mode modern UI
- AI trained or simulated on cat-related data
- Mobile-responsive design

### Out of Scope:

- User authentication
- Chat history
- Voice input/output

- Feedback mechanisms
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## 6. User Personas

- **Cat Owners:** Want quick help on cat health, behavior, or nutrition.
  - **Cat Lovers:** Curious about breeds, trivia, or general facts.
  - **Future Cat Owners:** Want advice on getting their first cat.
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## 7. User Stories

- As a user, I want to ask a question about my cat's behavior so I can understand it better.
  - As a cat lover, I want to know fun facts about specific breeds.
  - As a future owner, I want advice on what breed suits my lifestyle.
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## 8. Functional Requirements

ID	Feature	Description	Priority	Acceptance Criteria
F1	Chat Input	Text box for user to type a question	Must-have	User can type and submit a question
F2	AI Response	Display AI-generated response	Must-have	A response is shown within 2 seconds
F3	Styling	Modern dark theme UI	Must-have	UI uses dark colors and modern fonts
F4	Loading Indicator	Show animation while waiting for a response	Should-have	Spinner or "Cat is thinking..." appears during load

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## 9. Non-Functional Requirements

- **Performance:** <2 seconds response time
  - **Security:** Basic HTTPS encryption
  - **Accessibility:** Keyboard-navigable
  - **Scalability:** Can support up to 1000 concurrent users
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## 10. Wireframes / UX Notes

- Homepage: centered chatbox, title (“Ask the Cat Expert”), friendly tone
  - Input field with “Ask me anything about cats...” placeholder
  - Dark background (#121212), primary accent: lavender or teal
  - Output area styled like a cat speech bubble
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## 11. Technical Considerations

- **Frontend:** Next.js, Tailwind CSS (dark mode), shadcn
  - **Backend:** Node.js or serverless (Vercel functions)
  - **AI Engine:** OpenAI API fine-tuned or prompt-engineered for cat data
  - **Deployment:** Vercel for rapid MVP hosting
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## 12. Milestones and Timeline

Milestone	Date	Notes
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Wireframes complete	[Date + 3 days]	Simple Figma mockups
UI built (no backend)	[Date + 7 days]	Basic dark-mode frontend
AI integration	[Date + 10 days]	Connect OpenAI API
MVP Launch	[Date + 14 days]	Public beta goes live

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## 13. Risks and Mitigations

Risk	Mitigation
AI gives wrong or silly answers	Prompt engineering, disclaimers
Scope creep	Stay focused on single-question, single-answer MVP
Design over-engineering	Stick to one-page layout with minimal UX complexity

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## 14. Open Questions

- Do we want to add emojis or cat sounds in replies for tone?
  - Should we add a refresh button to regenerate answers?
  - Will we support images or links in future versions?
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## 15. Appendix / References

- [OpenAI API Docs](#)
- Cat data references used for training/prompts (to be documented)
- Figma designs (pending)