

LIFENAVIGATOR – COMPLETE 2000WORD PROMPT (FRONTEND + BACKEND + MOBILE + DESKTOP + TABLET + AI + SYSTEM DESIGN)

Below is the full consolidated mega-prompt rewritten and expanded to approximately 2000 words for clarity, structure, and depth. This text can be provided to any AI model, designer, developer, or generation tool to create a fully featured, end-to-end intelligent system, including UI/UX for all screen sizes, backend architecture, API specifications, AI pipelines, workflows, and more.

INTRODUCTION & AESTHETIC SYSTEM

Design a complete, fully responsive, end-to-end digital product called “LifeNavigator” — an advanced AI-powered creative and intelligent assistance ecosystem. The platform should work seamlessly across Desktop, Tablet, and Mobile devices. The primary visual identity must feature a futuristic aesthetic characterized by glossy neon gradients, holographic reflections, atmospheric depth, and immersive interface elements. Use a color scheme focused on purple, magenta, pink, cyan, and electric blue with soft diffused light glows. UI elements should use glassmorphism transparency, rounded corners, blurred panels, floating shadows, and dynamic 3D holographic visuals. Typography must be clean, modern, readable, and highly legible across screen sizes.

The system includes multiple modules: Smart Voice Assistant, Voice Studio, Image Studio, Video Studio, Document Analyzer, Workflow Automation, Asset Manager, Real-Time Chat, User Settings, Billing, Security, and Admin tools.

Output must contain high-resolution mockups, structural diagrams, component definitions, interactions, animations, and complete backend architecture details. Nothing should be omitted.

SECTION 1 – FULL FRONTEND UI FOR ALL DEVICES

The system must include mockups for Desktop (16:9), Tablet (4:3), and Mobile (9:16). Each screen must be represented in its fully expanded and compact responsive forms.

1. ONBOARDING & AUTHENTICATION FLOWS

- Welcome screen with a 3D holographic orb or AI microphone animation.

- Sign-up and login screens with email, password, OAuth, and WorkOS login.
- Magic link and OTP verification screens.
- Permission screens for microphone, voice recording, notifications, and file uploads.
- User onboarding tour (3–5 screens) introducing main features.
- Ensure all elements collapse gracefully into mobile layouts with large touch targets.

2. LANDING PAGE / HERO SECTION

- Public landing with promotional messaging.
- Authenticated landing with a welcome message and quick actions.
- Large floating holographic object at the center.
- Gradient energy waves across background.
- Buttons: Launch Voice Assistant • Create Image • Generate Video • Upload Document.

3. MAIN DASHBOARD / CONTROL CENTER

Desktop:

- Left navigation bar with glowing icons.
- Top bar with notifications, user menu, and search.
- Main grid of cards: Voice Studio, Image Studio, Video Studio, Document Analyzer, Automation Hub, Project Workspace.

Tablet:

- Collapsible sidebar, two-column layout.

Mobile:

- Single-column layout, bottom sticky nav bar for navigation.

4. SMART VOICE ASSISTANT — CHAT VIEW

- Large 3D animated AI orb that reacts to voice and text.

- Chat bubbles using glass panels and neon outlines.
- Toggle between voice input and text input.
- Output messages with audio playback.
- Quick action chip buttons: Summarize • Improve • Convert to Email • Convert to Form.
- Sliding history panel with timestamps and categories.

Mobile interactions:

- Swipe left to archive, swipe right to pin.
- Microphone push-to-talk hold gesture.

5. VOICE STUDIO — VOICE GENERATION & EDITING

- Voice cloning workflow (upload or record sample).
- Emotion and prosody sliders: joy, calm, intensity, warmth, clarity.
- Waveform timeline editor with draggable segments.
- Preset voice templates (AI assistant, narrator, deep male, soft female, cinematic).
- Export controls: download, share, regenerate, adjust.
- For mobile: timeline becomes vertical with scrolling.

6. IMAGE STUDIO — PROMPT■BASED IMAGE GENERATION

- Prompt box with glowing borders.
- Style presets carousel: 3D, Anime, Cyberpunk, Realistic, Holographic.
- Grid of images (2–6 outputs).
- Tools: Upscale, Refine, Edit Region, Remix, Change Style.
- Tablet and mobile automatically reorganize grid layout.

7. VIDEO STUDIO — SCRIPT■TO■VIDEO GENERATION

- Script editor with formatting tools.
- Storyboard filmstrip interface.
- Timeline editor featuring clip layers, transitions, overlays, audio tracks.
- Voiceover sync module.
- Render preview with quality selection.
- Mobile workflow simplifies into vertical stacked screens.

8. DOCUMENT ANALYZER — UNDERSTAND & AUTO■ACTION

- Upload box for PDFs, images, and documents.
- OCR preview panel.
- Extracted structured data panel (JSON view + table view).
- Suggested actions: summarize, classify, convert, auto■fill forms.
- Autofill simulation with step■by■step preview.

9. AUTOMATION HUB — AGENT BUILDER

- Visual workflow graph editor (nodes and edges).
- Node types: Input, Extract, Analyze, Plan, Execute Action, Notify User.
- Execution modules: Email, Web Scrape, Form Fill, API Request, Scheduling.
- Logs panel for agent runs, successes, failures.
- Mobile: pre■built templates rather than drag■and■drop.

10. PROJECT WORKSPACE / ALL USER ASSETS

- Grid and list view for voice files, images, videos, documents, chat outputs.
- Filters for asset type, date, tags.
- Version history modal.

- Share and export flows.

11. SETTINGS & PROFILE MANAGEMENT

- Account info, avatar, preferences.
- AI Memory management (view, edit, delete).
- Voice models permissions & consent.
- Billing (Stripe), subscription, invoices.
- API keys and integrations (Vultr, ElevenLabs, Raindrop).
- Security: 2FA, session devices, password resets.

12. ADMIN PANEL (FOR JUDGES & INTERNAL)

- System metrics (CPU, GPU usage, Vultr credits).
- Logs viewer.
- Queue monitor.
- Model cost breakdown.
- User management panel.

SECTION 2 – BACKEND SYSTEM & API DESIGN

Create a complete backend architecture with the following elements:

A. CORE BACKEND ARCHITECTURE

- Node.js or Python (FastAPI).
- REST API + WebSocket for real-time audio/text streaming.

- Background job queue system (BullMQ or Celery).
- Cache (Redis) for embeddings and frequent queries.
- CDN layer for media streaming.
- Reverse proxy and API gateway.

B. DATABASE SCHEMA (Raindrop SmartSQL)

Tables include:

users, projects, assets, voice_models, images, videos, documents, tasks, workflows, memories, conversations, jobs, notifications.

C. STORAGE LAYER

- Raindrop SmartBuckets for files.
- Vultr Object Storage for large assets.
- Automatic versioning and signed URLs.

D. AI PIPELINES (Raindrop SmartInference)

1. Voice pipeline
2. Image pipeline
3. Video pipeline
4. Document extraction pipeline
5. Chat reasoning pipeline
6. Multi-step agent planning pipeline

Each pipeline includes structured prompts, metadata, embeddings, and vector retrieval.

E. API ENDPOINTS

/auth/login

/auth/signup

/auth/oauth

/user

/voice/generate

/voice/clone

/voice/edit

/image/generate

/video/generate

/document/upload

/document/analyze

/chat/send

/chat/history

/projects

/assets

/agent/run

/agent/workflow

/webhooks/notify

F. SECURITY SYSTEM

- JWT tokens.
- OAuth via WorkOS.
- Encryption at rest.
- Voice cloning consent.
- AI Memory opt-in/out.

- Audit logs.
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SECTION 3 – INTERACTION RULES & ACCESSIBILITY

- Desktop uses multi-panel layouts; tablet simplifies columns; mobile collapses into stacked card flows.
 - Minimum 44px touch targets.
 - All elements keyboard navigable.
 - Voice commands available across system.
 - Adaptive layouts respond dynamically to screen orientation.
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SECTION 4 – DESIGN SYSTEM & COMPONENT LIBRARY

Provide a Figma-ready component set including buttons, inputs, cards, modals, timeline editor, waveform visualizer, sliders, toggles, avatars, breadcrumbs, tabs, alerts, toasts, empty states, loading states, error states, and interactive animations.

SECTION 5 – EXPORTABLE ASSETS

- High-resolution mockups for every screen at every device size.
- Architecture diagram (16:9).
- Component library.
- SVG icons, waveform shapes, orb assets.
- Developer handoff documentation (CSS tokens, Tailwind config, API usage guide).
- Demo flow storyboard for 3-minute video.

END OF PROMPT.