

Vibe Check: Project Report

Live Project: <https://vibe-check-one.vercel.app/>

GitHub Repo: <https://github.com/APSK22/vibe-check>

Technologies Used

- Frontend Framework: Next.js 15 (App Router)
- UI Components: Radix UI with Tailwind CSS
- Authentication: Clerk for secure user management
- Backend/Database: Supabase with PostgreSQL and Row-Level Security
- AI Integration: Google Gemini Flash 2.0 for quiz generation and personality analysis
- Animations: Framer Motion
- Form Handling: React Hook Form with Zod validation
- Notifications: Sonner toast system
- Date Formatting: date-fns

Core Features

- AI-Powered Quiz Generation: Users can generate complete multi-question quizzes on any topic with a single prompt
- Personality "Vibe Check": Special quiz type that analyzes answers to provide personality insights
- Secure Authentication: Enterprise-grade authentication with Clerk
- Quiz Sharing: Easy sharing of quizzes with generated unique IDs
- Interactive Dashboard: Complete quiz management with statistics and history
- Detailed Results Analysis: Color-coded correct/incorrect answers and expandable details
- Responsive Design: Fully functional on mobile, tablet, and desktop

The application combines modern web technologies with AI capabilities to create an interactive quiz platform that not only supports traditional scored quizzes but also offers unique personality insights through the "Vibe Check" feature. The secure architecture ensures user data protection while maintaining high performance.

Database Schema

