AidX - Quick Actions Features (Top to Bottom)

Dashboard Quick Actions - Complete Feature List

Dashboard Layout (Top to Bottom):

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1. Live Vitals Card

- **Status**: **IMPLEMENTED**
- **Features**:
  - Real-time heart rate monitoring
  - SpO2 level tracking
  - Temperature monitoring
  - Battery level indicator
  - ESP32 device connection status
  - Animated heart icon with pulse
  - Live vitals display
  - Tap to view detailed vitals

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2. Health News Card

- **Status**: **IMPLEMENTED**
- **Features**:
  - Rotating health news articles
  - News source display
  - News image thumbnails
  - Tap to read full article
  - Auto-rotating news content
  - Health-focused news curation
  - News detail screen integration

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3. Mood Selector

- **Status**: **IMPLEMENTED**
- **Features**:
  - Daily mood tracking
  - 5 mood options (Great, Good, Okay, Bad, Terrible)
  - Mood persistence to Firebase
  - Visual mood indicators
  - Mood history tracking

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4. Quick Actions Grid (14 Features)

Row 1 (Top Row):

4.1 AI Symptoms Analysis

- **Status**: **IMPLEMENTED**
- **Features**:
  - AI-powered symptom checker
  - Gemini AI integration
  - Symptom analysis and recommendations
  - Health advice generation
  - Medical guidance

4.2 AI Voice Chat

- **Status**: **IMPLEMENTED**
- **Features**:
  - Voice-based AI chat
  - Medical conversation
  - Health queries
  - Voice-to-text integration
  - AI-powered responses

4.3 Drug Info

- **Status**: **IMPLEMENTED**
- **Features**:
  - Drug database
  - Side effects information
  - Dosage guidelines
  - Drug interactions
  - Medication safety

Row 2:

4.4 Hospital Finder

- **Status**: **IMPLEMENTED**
- **Features**:
  - Hospital locator
  - Map integration
  - Location-based search
  - Contact information
  - Emergency services

4.5 Doctor & Pharmacy

- **Status**: **IMPLEMENTED**

- **Features**:
  - Professional directory
  - Pharmacy finder
  - Doctor listings
  - Contact details
  - Service information

4.6 Blood Donation

- **Status**: **IMPLEMENTED**
- **Features**:
  - Blood donation requests
  - Donor matching
  - Emergency blood requests
  - Location-based search
  - Donation tracking

Row 3:

4.7 Medication Reminder

- **Status**: **IMPLEMENTED**
- **Features**:
  - Medication scheduling
  - Local notifications
  - Reminder management
  - Medication history
  - Firebase integration

4.8 Medical Timeline

- **Status**: **IMPLEMENTED**
- **Features**:
  - Health timeline
  - Event tracking
  - History visualization
  - Medical record timeline
  - Data persistence

4.9 Wearable Tracker

- **Status**: **IMPLEMENTED**
- **Features**:
  - Bluetooth device connection
  - Health data sync
  - Real-time monitoring
  - Device management

– Wearable integration

Row 4:

4.10   Emergency SOS

- **Status**:   **IMPLEMENTED**
- **Features**:
  - Emergency SOS button
  - 30-second countdown
  - Automatic emergency calls
  - Location sharing
  - Telegram integration

4.11   Digital Health ID

- **Status**:   **IMPLEMENTED**
- **Features**:
  - Digital health ID creation
  - QR code generation
  - QR scanner functionality
  - Health information storage
  - Emergency medical data

4.12   Health Habits

- **Status**:   **IMPLEMENTED**
- **Features**:
  - Daily habit tracking
  - Progress visualization
  - Habit completion rewards
  - Firebase integration
  - Local notifications

Row 5:

4.13   Sleep & Fall Detection

- **Status**:   **IMPLEMENTED**
- **Features**:
  - Real-time fall detection
  - Sleep tracking
  - Accelerometer monitoring
  - Emergency response
  - Background operation

4.14   Community Support

- **Status**: **IMPLEMENTED**
- **Features**:
    - Social media-style posts
    - Photo sharing
    - Like and comment system
    - Category-based posts
    - Real-time updates

Feature Summary

IMPLEMENTED FEATURES (17 Total):

1. **Live Vitals** - Real-time health monitoring
2. **Health News** - Rotating health articles
3. **Mood Selector** - Daily mood tracking
4. **AI Symptoms Analysis** - AI-powered diagnosis
5. **AI Voice Chat** - Voice-based AI interaction
6. **Drug Info** - Medication database
7. **Hospital Finder** - Hospital locator
8. **Doctor & Pharmacy** - Professional directory
9. **Blood Donation** - Donor matching system
10. **Medication Reminder** - Medication scheduling
11. **Medical Timeline** - Health history tracking
12. **Wearable Tracker** - Device integration
13. **Emergency SOS** - Emergency response system
14. **Digital Health ID** - QR-based health ID
15. **Health Habits** - Daily habit tracking
16. **Sleep & Fall Detection** - Safety monitoring
17. **Community Support** - Social health platform

Implementation Status:

- **Fully Implemented**: 17/17 features (100%)
- **To Be Enhanced**: Advanced AI features
- **Ready for Hackathon**: All core features working

Technical Implementation

Backend Services:

- Firebase Authentication
- Cloud Firestore Database
- Firebase Storage
- Local Notifications

- Background Services

Integrations:

- Gemini AI API
- Google Maps API
- Telegram Bot API
- Bluetooth Connectivity
- Geolocation Services

UI/UX Features:

- Animated gradients
- Glass morphism design
- Responsive grid layout
- Interactive cards
- Real-time updates

Quick Actions Grid Layout:

```
Row 1: [AI Symptoms] [AI Voice Chat] [Drug Info]
Row 2: [Hospital] [Doctor & Pharmacy] [Blood Donation]
Row 3: [Medication] [Timeline] [Wearable]
Row 4: [Emergency SOS] [Health ID] [Health Habits]
Row 5: [Sleep & Fall] [Community Support] [Empty]
```

Total Quick Actions: 14 Features Total Dashboard Features: 17 Features (including Vitals, News, Mood)

All features are fully implemented and ready for hackathon demonstration!