



# **System Requirements Specification Documentation (SRS)**

**Jendo Mobile Application**

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# 1. Introduction

The Jendo Mobile Application is a comprehensive cardiovascular health monitoring and management platform designed to empower users to take control of their heart health through continuous monitoring, personalized wellness guidance, and seamless healthcare connectivity. The application integrates with Jendo testing devices to provide real-time cardiovascular risk assessments and offers a holistic approach to health management through digital record keeping, doctor connectivity, learning resources, and interactive guidance.

The platform serves as a bridge between users, their health data, and healthcare providers, creating an ecosystem that promotes proactive cardiovascular care. By combining device-synced test results, personal health record management, expert-backed wellness recommendations, learning materials, and interactive support through a chatbot, Jendo aims to reduce cardiovascular risks, enhance user knowledge, and improve overall health outcomes.

## 1.1. Purpose

The purpose of this document is to define the functional and non-functional requirements of the Jendo Mobile Application. It serves as a comprehensive guide for developers, designers, project stakeholders, healthcare consultants, and quality assurance teams throughout the system's development and maintenance lifecycle.

This SRS document ensures all parties involved have a clear understanding of the system's objectives, features, constraints, and expected performance. It provides a foundation for:

- Developing, testing, and deploying the mobile application according to stakeholder expectations and healthcare compliance standards.
- Maintaining consistency between user health needs and technical implementation.
- Supporting future updates, feature additions, and scalability as the platform grows.
- Ensuring data security and privacy compliance with healthcare regulations.
- Facilitating integration with Jendo testing devices, external healthcare platforms, and interactive tools such as chatbots and learning modules.

## 1.2. Scope

The Jendo Mobile Application provides users with a comprehensive, secure, and user-friendly platform for monitoring cardiovascular health, managing medical records, accessing personalized wellness guidance, and learning about cardiovascular care.

The project scope includes:

**User Operations:** Account creation, authentication (email/password, Google, Apple), profile management, password recovery, and session management.

**Health Monitoring:** Integration with Jendo testing devices, real-time cardiovascular risk assessment, test result visualization, historical data tracking, and trend analysis.

**Medical Record Management:** Personal health record system with categorized folders (Diabetes, Cardiovascular, Pregnancy, etc.), document upload capabilities (images, PDFs), record editing, and deletion.

### Wellness & Learning:

- Personalized health tips based on Jendo risk levels covering diet, exercise, sleep habits, and stress management.
- Learning materials section with educational articles, videos, and resources for users to improve cardiovascular knowledge.

### Healthcare Connectivity:

- Doctor directory with profiles, specialties, and availability.
- Appointment booking via the app, supporting video calls, audio calls, in-person visits, and integration with third-party platforms like eChannelling.

### Interactive Support:

- Chatbot for answering user questions about cardiovascular health, wellness recommendations, device usage, and app navigation.

**Notification System:** Risk-based alerts, test reminders, doctor visit recommendations, and wellness tips.

**Administrative Control:** Backend admin panel for managing doctor listings, illness categories, user management, content moderation, and learning materials.

**System Integration:** Real-time data synchronization with Jendo devices, secure database management, third-party authentication (Google OAuth, Apple Sign-In), appointment platform integration, and chatbot services.

The system is designed to deliver a secure, compliant, and scalable experience, supporting future growth such as additional health monitoring features, expanded illness categories, learning resources, and broader healthcare service integration.

## 2. Overall Description

The Jendo Mobile Application provides a comprehensive and user-centric experience for cardiovascular health monitoring and management, enabling users to track their heart health, manage medical records, receive personalized wellness guidance, and connect with healthcare professionals.

### 2.1. Product Functions

#### 2.1.1 User Management

- Account registration with comprehensive personal details (name, email, phone number, password, confirm password)
- Secure login using email/password, Google,
- Email/OTP verification for account security
- Password reset and recovery functionality
- Profile management with editable personal information
- Session management and secure logout
- Health parameter tracking (height, weight, BMI, etc.)

#### 2.1.2 Jendo Device Integration & Testing

- Automatic synchronization with Jendo testing devices
- Real-time cardiovascular risk assessment
- Test result storage and retrieval
- Risk level categorization (Low, Moderate, High)
- Test history tracking with dates
- Detailed test analysis and scoring
- Visual representation of test results

#### 2.1.3. Health Dashboard (Home Tab)

- Display of current Jendo risk level
- Last test date information
- Statistical visualizations showing health trends and history
- Graphical representations of cardiovascular data

- Test recommendations and reminders
- Personalized health status summary

#### **2.1.4. Jendo Reports Management**

- Comprehensive list of all Jendo test results
- Individual test report viewing with detailed analysis
- Risk level indicators and scores
- Personalized suggestions based on test results
- Search functionality for finding specific reports
- Filtering options by date and risk level
- Historical comparison of test results

#### **2.1.5. Personal Medical Records (My Reports Tab)**

- Categorized health record folders (Diabetes, Cardiovascular, Pregnancy, etc.)
- Add health records using customized forms
- Upload supporting documents (images, PDFs)
- View summary of submitted records
- Edit existing health records
- Delete unwanted records
- Organized storage for easy retrieval
- Admin-configurable illness categories

#### **2.1.6. Wellness & Health Recommendations**

- Personalized wellness recommendations based on Jendo risk level
- Diet suggestions and nutritional guidance
- Exercise routines and physical activity recommendations
- Sleep habit improvement tips
- Stress management techniques
- Dynamic recommendations that change with risk level
- Preventive care guidance
- Lifestyle modification suggestions
- Learning Materials Section: Educational articles, videos, and tutorials to enhance user knowledge about cardiovascular health

- Interactive Chatbot: Answering user queries related to wellness, health monitoring, device usage, and general cardiovascular guidance

#### **2.1.7. Doctor Directory & Appointments**

- Comprehensive list of healthcare providers
- Doctor profiles with name, specialty, and experience
- Search and filter functionality for finding doctors
- **Appointment booking via app**, supporting:
  - Video consultations
  - Audio calls
  - In-person visits
  - Integration with third-party platforms (e.g., eChannelling)
- Specialty-based categorization for easier selection

#### **2.1.8. Notifications & Alerts**

- Risk-based health alerts
- Jendo test reminders (periodic check-ups)
- Doctor visit recommendations based on risk level
- Wellness tips and health education
- Critical health status notifications
- Test result availability alerts
- Learning material updates and educational notifications

#### **2.1.9. Profile & Settings Management**

- View and edit personal details
- Update contact information
- Change password functionality
- Manage health parameters (height, weight, BMI)
- Preferences for notifications and reminders

#### **2.1.10. Admin Management System**

- Doctor profile management (add, edit, delete)
- Illness category configuration
- User account oversight
- Content moderation capabilities

- System analytics and monitoring
- Report management and validation

## 2.2. Operating Environment

The Jendo Mobile Application operates within a modern JavaScript-based full-stack environment using React Native/Expo, Node.js/Express, and a cloud-hosted PostgreSQL database. This ecosystem supports scalability, cross-platform mobile delivery, and secure API communication.

### 2.2.1. Mobile Application

**Framework:** React Native (Expo)

#### Platform Support

- Android 9.0 (API Level 28) and above
- iOS 13.0 and above
- Compatible with smartphones and tablets

#### Build & Development Tools

- Expo CLI (development & deployment)
- Expo Go for live testing on device

#### Network Requirements

- Stable internet required for:
  - API communication
  - Syncing test results
  - Loading medical records
  - Video consultation sessions

#### Offline Capability

- Local caching of previously loaded data (AsyncStorage)
- Cached data includes basic profile, previous test results, recent reports
- Auto-resync once the device reconnects

## **Rendering Engine**

- React Native rendering engine (Fabric)
- Supports smooth animations and native modules

## **State Management Options**

- Redux Toolkit
- Zustand
- Context API
- React Query for server state management

### **2.2.2 Backend Server**

**Framework:** Node.js + Express.js

**Architecture:** RESTful API Structure

#### **Authentication:**

- JSON Web Token (JWT)
- Password hashing with bcrypt
- Access + Refresh token flow for long sessions

#### **Real-Time Communication:**

- Socket.IO for:
  - Live updates
  - Consultation session status
  - Real-time notifications (if needed)

#### **API Documentation:**

- Swagger (OpenAPI 3.0)

#### **File Handling**

- Multer for uploads (images, PDFs)

#### **Scalability:**

- Modular Express routing
- Ready for microservices in future

### **2.2.3 Database**

**Primary Database:** PostgreSQL

**Hosting Options:**

- Supabase
- Neon
- Railway

**Usage:**

- Store user profiles
- Jendo test results
- Medical record documents
- Appointment history
- Wellness lessons, videos, articles
- Notification logs

**Optimizations:**

- Proper indexing for queries
- JSONB for flexible metadata
- Foreign key relationships for clean structure

**Backup & Recovery:**

- Automated backups from hosting provider
- Point-in-time recovery (depending on provider)

### **2.2.4 Authentication Services**

**OAuth Providers:**

- Google Login (OAuth2)\*\*
- Apple Sign-In (iOS devices)\*\*

**Security Stack:**

- JWT Access + Refresh Tokens
- bcrypt password hashing

- Secure password reset via email link

## **2.2.5 Cloud Hosting Platform**

### **Frontend Hosting:**

- Expo application build (Android & iOS)

### **Backend Hosting:**

- Replit-hosted Node.js API OR
- Cloud VM / managed Node server (optional future scaling)

### **Scalability:**

- Horizontal scaling through load balancers
- Stateless Express API ready for clustering

### **CDN:**

- For document & image delivery (Supabase/Cloud provider CDN)

### **Monitoring:**

- Replit Logs (development)
- UptimeRobot (prod monitoring)
- Provider dashboards

## **2.2.6 Storage Services**

### **Media Storage:**

- Supabase Storage / Cloud storage (S3-compatible)

### **File Types:**

- Images (JPG/PNG)
- PDFs
- Medical documents

### **Security:**

- Pre-signed URLs for secure access
- TLS during transfers
- Encrypted storage at rest

## **2.2.7 External Integrations**

### **Jendo Device API:**

- Secure endpoints for test result syncing

### **Appointment Booking APIs:**

- eChannelling API for hospital booking
- Video consultation integration (WebRTC-based or API provider)

### **Notifications:**

- Firebase Cloud Messaging (Android)
- APNS (iOS)

### **Email Services:**

- SendGrid or Resend / AWS SES for:
  - Password reset
  - Appointment confirmations
  - Video consultation links

## **2.2.8 Security & Compliance**

### **Transport Security:**

- End-to-end SSL/TLS for all traffic

### **Authentication:**

- Role-based access control (User / Admin)
- JWT + Refresh token rotation

**Data Security:**

- Encryption at rest (database + storage)
- Sensitive medical records protected with restrictive access rules

**Compliance:**

- Follows HIPAA-aligned data handling practices
- GDPR principles including:
  - User consent
  - Data deletion rights
  - Transparent data usage
- Regular vulnerability scans
- Rate limiting & brute-force protection
- Audit logs for sensitive operations

### 3. Specific Requirements

#### 3.1. Functional Requirements

Category	Requirement Description
<b>User Management</b>	<ul style="list-style-type: none"><li>Users shall be able to register with first name, last name, email, phone number and password.</li><li>Users shall verify their account through email or OTP verification.</li><li>Users shall be able to log in using email/password or Google authentication.</li><li>Users shall be able to reset their password via a verified email process.</li><li>Users shall be able to edit their profile information.</li><li>Users shall be able to update health parameters (height, weight, BMI).</li><li>Users shall be able to securely log out of the application.</li><li>Session management shall ensure data protection and secure logout.</li></ul>
<b>Jendo Device Integration</b>	<ul style="list-style-type: none"><li>The system shall sync automatically with Jendo testing devices.</li><li>The system shall retrieve and store Jendo test results.</li><li>The system shall calculate and display cardiovascular risk levels (Low, Moderate, High).</li><li>The system shall timestamp all test results with date and time.</li><li>The system shall maintain a complete history of all Jendo tests.</li></ul>
<b>Health Dashboard</b>	<ul style="list-style-type: none"><li>The system shall display the user's current Jendo risk level on the home screen.</li><li>The system shall show the latest test date prominently.</li><li>The system shall provide statistical visualizations of health trends.</li><li>The system shall display graphs showing historical test data.</li></ul>

	<ul style="list-style-type: none"> <li>The system shall prompt the user to take a test if no recent test exists.</li> </ul>
<b>Jendo Reports</b>	<ul style="list-style-type: none"> <li>The system shall display a list of all Jendo test results.</li> <li>Users shall be able to view detailed test reports.</li> <li>Each report shall show score, risk level, analysis, and suggestions.</li> <li>Users shall be able to search reports based on criteria.</li> <li>Users shall be able to filter reports by date and risk level.</li> </ul>
<b>Medical Records Management</b>	<ul style="list-style-type: none"> <li>The system shall provide categorized folders (Diabetes, Cardiovascular, Pregnancy, etc.).</li> <li>Users shall be able to add health records using forms.</li> <li>Users shall be able to upload images or PDFs with their records.</li> <li>Users shall be able to view a summary of submitted records.</li> <li>Users shall be able to edit existing health records.</li> <li>Users shall be able to delete health records.</li> <li>Admins shall be able to add new illness categories.</li> </ul>
<b>Wellness Recommendations</b>	<ul style="list-style-type: none"> <li>The system shall provide personalized recommendations based on risk level.</li> <li>The system shall offer diet guidance suitable for the user's health condition.</li> <li>The system shall suggest exercise routines based on risk status.</li> <li>The system shall provide sleep improvement recommendations.</li> <li>The system shall offer stress management advice.</li> <li>Recommendations shall dynamically update when risk level changes.</li> <li>The system shall provide a <b>Learning Materials</b> section with articles, videos, and tutorials on cardiovascular health.</li> <li>The system shall provide a <b>Chatbot</b> for answering questions about wellness, test results, device usage, and general cardiovascular health guidance.</li> </ul>

<b>Doctor Directory</b>	<ul style="list-style-type: none"> <li>The system shall display a list of doctors with full profiles.</li> <li>The system shall show doctor name, specialty, and experience.</li> <li>Users shall be able to search and filter doctors by specialty, location, and availability.</li> <li>The system shall allow booking appointments via the app, supporting video consultations, audio calls, in-person visits, and third-party platform integration (e.g., eChannelling).</li> <li>Admins shall be able to manage doctor profiles (add/edit/delete).</li> </ul>
<b>Notifications</b>	<ul style="list-style-type: none"> <li>The system shall send notifications based on risk level.</li> <li>The system shall send reminders for upcoming Jendo tests.</li> <li>The system shall send recommendations for doctor visits.</li> <li>The system shall deliver wellness tips as notifications.</li> <li>The system shall alert users about critical health status changes.</li> <li>The system shall notify users about new learning materials and updates.</li> </ul>
<b>Profile Management</b>	<ul style="list-style-type: none"> <li>Users shall be able to view and edit personal information (name, email, phone, gender, DOB, address, nationality).</li> <li>Users shall be able to change their password.</li> <li>Users shall be able to update health parameters.</li> <li>All profile updates shall be validated before saving.</li> </ul>
<b>Admin Dashboard</b>	<ul style="list-style-type: none"> <li>Admins shall be able to manage doctor profiles (add, edit, delete).</li> <li>Admins shall be able to configure illness categories.</li> <li>Admins shall be able to view and manage user accounts.</li> <li>Admins shall be able to moderate user-submitted reports.</li> <li>Admins shall have access to analytics and system usage statistics.</li> <li>Admins shall be able to manage learning materials (add/edit/delete).</li> <li>Admins shall monitor chatbot interactions for quality and improvement.</li> </ul>

## 3.2. Non-Functional Requirements

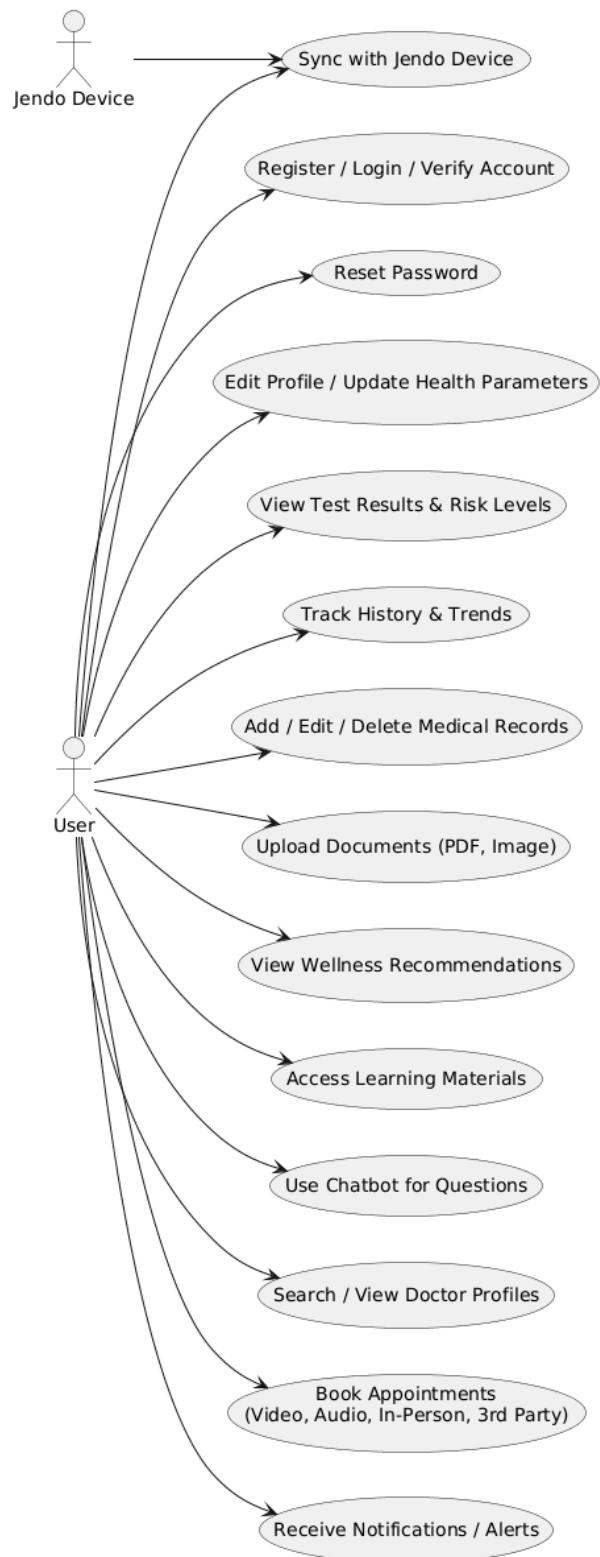
Category	Requirement Description
Performance	<ul style="list-style-type: none"><li>Home screen shall load within 2 seconds.</li><li>Test syncing shall complete within 5 seconds.</li><li>System shall support 500+ concurrent users.</li><li>Database queries shall return within 1 second.</li><li>Uploads up to 10MB shall complete within 10 seconds.</li><li>Real-time health sync shall be maintained.</li></ul>
Security	<ul style="list-style-type: none"><li>All communication encrypted via SSL/TLS.</li><li>Passwords hashed using bcrypt.</li><li>JWT authentication with token expiration.</li><li>Health data encrypted at rest.</li><li>Records accessible only to authenticated users.</li><li>Role-based access control for User and Admin.</li><li>Failed logins limited to 5 attempts.</li><li>Automated encrypted backups.</li><li>Compliance with HIPAA &amp; GDPR.</li></ul>
Reliability & Availability	<ul style="list-style-type: none"><li>System uptime <math>\geq</math> 99.5%.</li><li>Automated health checks active.</li><li>Redundant storage to prevent loss.</li><li>Automatic failover enabled.</li><li>Critical data backed up in real time.</li></ul>
Usability	<ul style="list-style-type: none"><li>Simple, intuitive UI.</li><li>Consistent navigation across screens.</li><li>User feedback for all actions.</li><li>Clear error messages.</li><li>Supports accessibility features.</li><li>Loading indicators for background actions.</li><li>Responsive design for multiple screen sizes.</li></ul>

<b>Scalability</b>	<ul style="list-style-type: none"> <li>Architecture supports adding future features.</li> <li>Database scalable to millions of records.</li> <li>Horizontal scaling supported.</li> <li>APIs optimized for heavy load.</li> <li>Media storage auto-scales.</li> </ul>
<b>Maintainability</b>	<ul style="list-style-type: none"> <li>Modular and clean code structure. Comprehensive logging for debugging.</li> <li>Swagger/OpenAPI for API documentation.</li> <li>Documentation updated after major releases.</li> <li>Comments for complex logic.</li> <li>Version control for all components.</li> </ul>
<b>Portability</b>	<ul style="list-style-type: none"> <li>Supports Android 9+ and iOS 13+.</li> <li>Works on phones &amp; tablets.</li> <li>Supports landscape and portrait modes.</li> <li>Allows exporting data (PDF, CSV).</li> </ul>
<b>Compliance</b>	<ul style="list-style-type: none"> <li>Fully HIPAA compliant.</li> <li>GDPR-compliant data privacy.</li> <li>User consent required for data usage.</li> <li>Right to data deletion supported.</li> <li>Audit trails maintained.</li> </ul>
<b>Compatibility</b>	<ul style="list-style-type: none"> <li>Compatible with all Jendo devices.</li> <li>Integrates with eChannelling.</li> <li>Push notifications for iOS &amp; Android.</li> <li>Supports Apple &amp; Google login.</li> </ul>

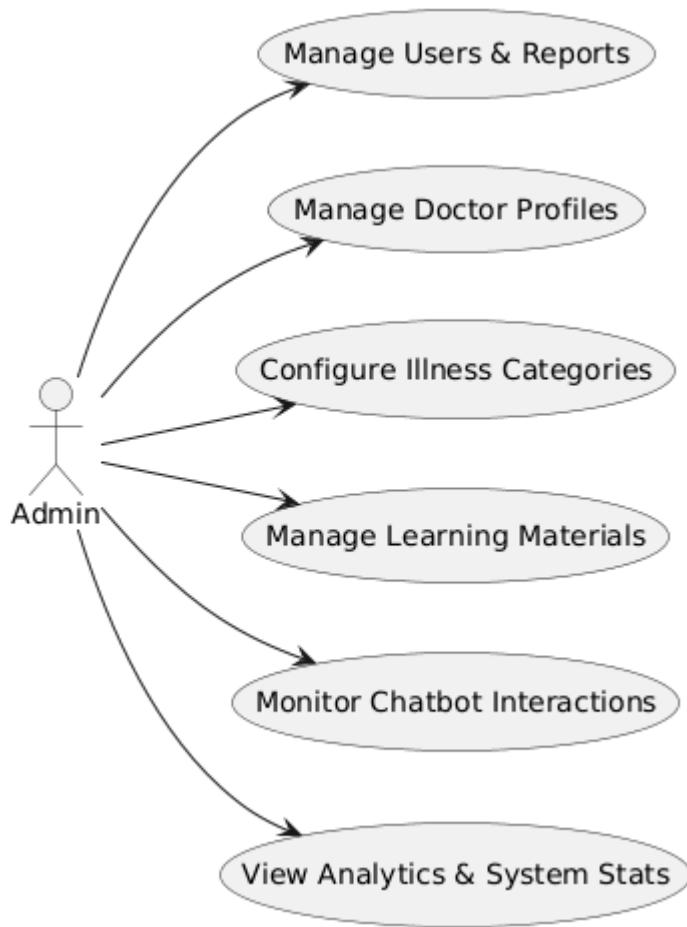
## 4. System Models and Diagrams

### 4.1. Use Case Diagram

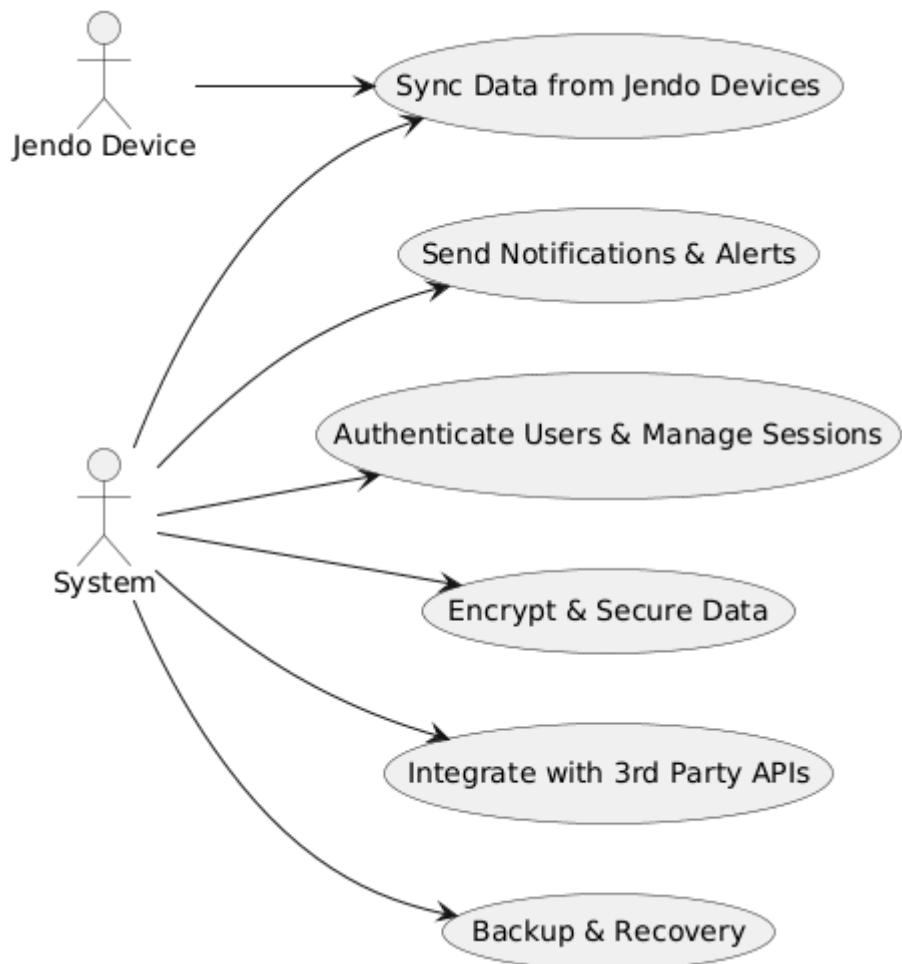
#### 4.1.1. User Use Cases:



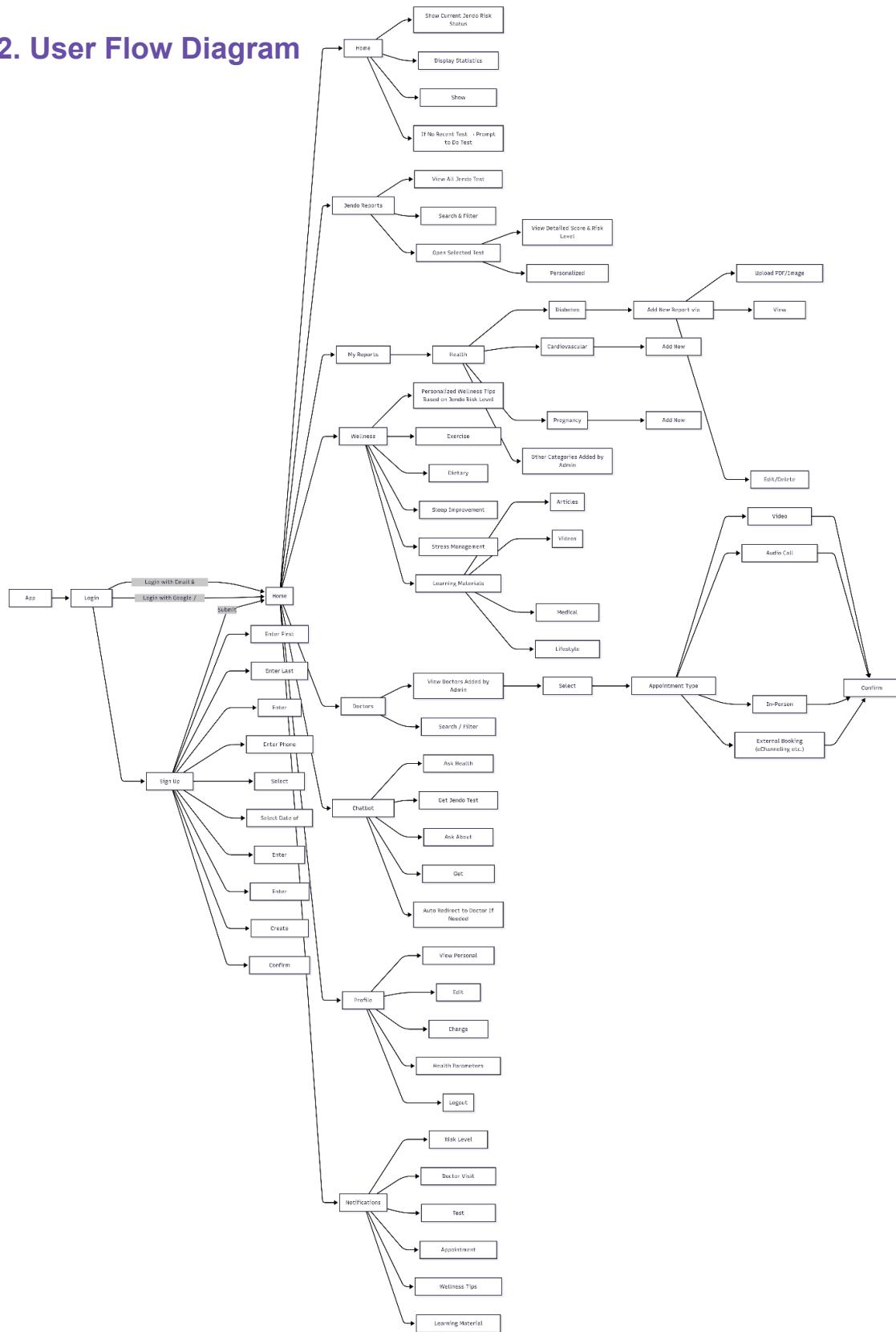
#### 4.1.2. Admin Use Cases:



#### 4.1.3. System Use Cases:



## 4.2. User Flow Diagram



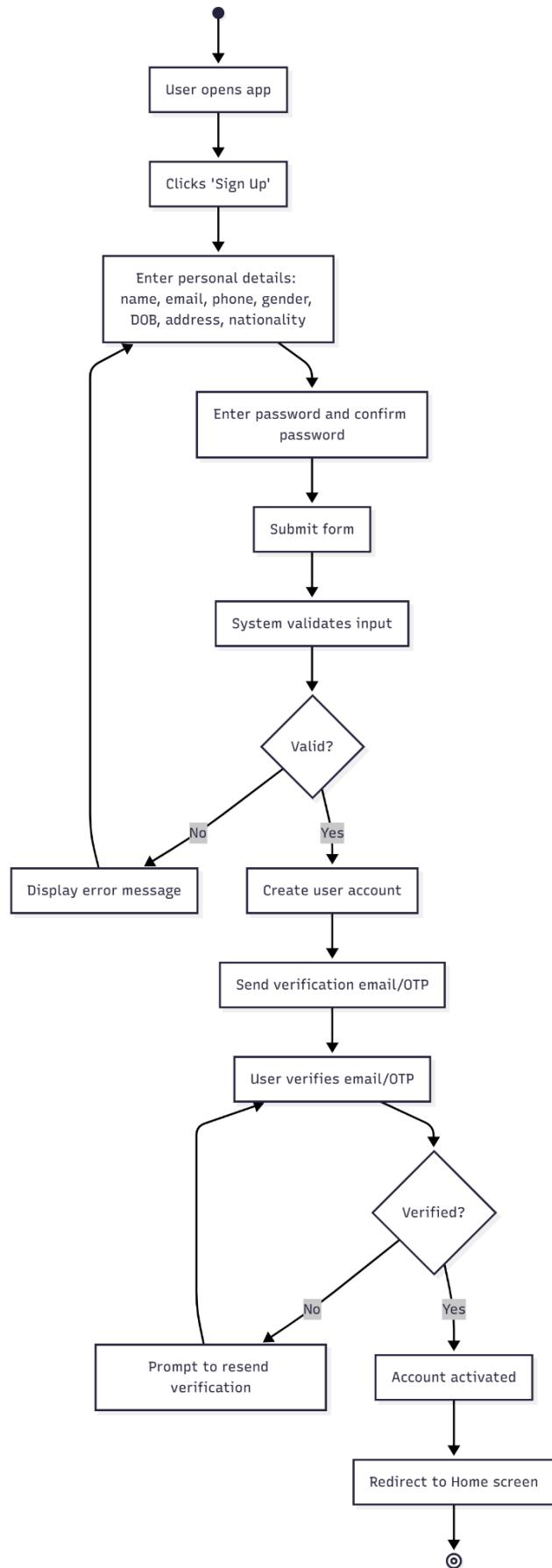
### 4.3. System Architecture

Layer	Components
<b>Presentation Layer</b>	<ul style="list-style-type: none"><li>• Mobile Application (React Native) Android App</li><li>• User Interface Components</li><li>• Admin Web Dashboard</li></ul>
<b>Application Layer</b>	<ul style="list-style-type: none"><li>• Authentication Service (JWT, OAuth)</li><li>• User Management Service</li><li>• Medical Records Service</li><li>• Wellness Recommendation Engine</li><li>• Doctor Directory Service</li><li>• Notification Service</li><li>• File Upload Service</li></ul>
<b>Business Logic Layer</b>	<ul style="list-style-type: none"><li>• Risk Calculation Engine</li><li>• Wellness Algorithm</li><li>• Data Validation Logic</li><li>• Report Generation Logic</li><li>• Notification Trigger Logic</li></ul>
<b>Data Layer</b>	<ul style="list-style-type: none"><li>• <b>PostgreSQL Database</b> User Profiles Jendo Test Results Medical Records Doctor Profiles Illness Categories Notification Logs</li><li>• <b>AWS S3 Storage</b> Medical Images PDF Documents User Uploads</li></ul>

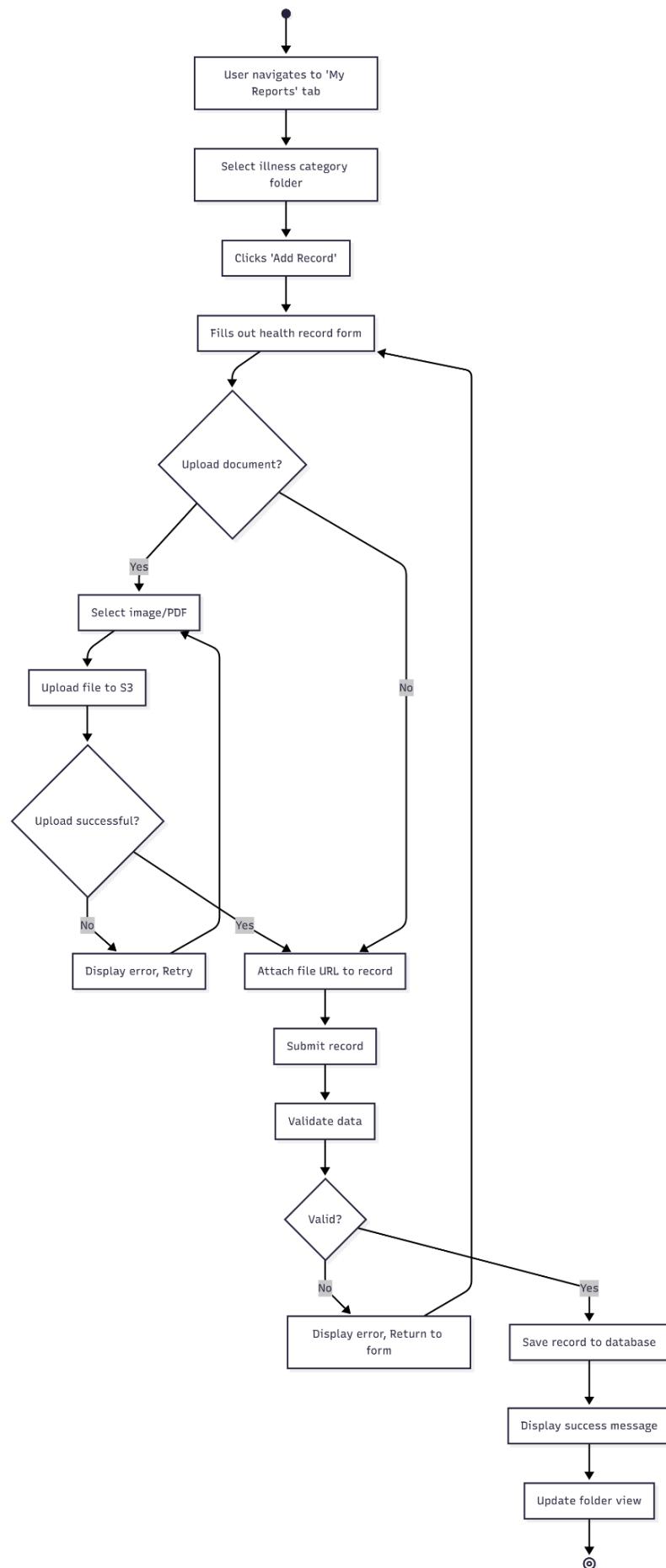
<b>Integration Layer</b>	<ul style="list-style-type: none"><li>• Jendo Device API</li><li>• Google OAuth API</li><li>• Apple Sign-In API</li><li>• eChannelling API</li><li>• Firebase Cloud Messaging (FCM)</li><li>• Apple Push Notification Service (APNS)</li><li>• Email Service (SendGrid / AWS SES)</li></ul>
<b>Infrastructure Layer</b>	<ul style="list-style-type: none"><li>• Cloud Hosting (AWS / Azure / GCP)</li><li>• Load Balancer</li><li>• API Gateway</li><li>• CDN for Media Delivery</li><li>• Backup Systems</li><li>• Monitoring &amp; Logging</li></ul>

## 4.4. Activity Diagrams

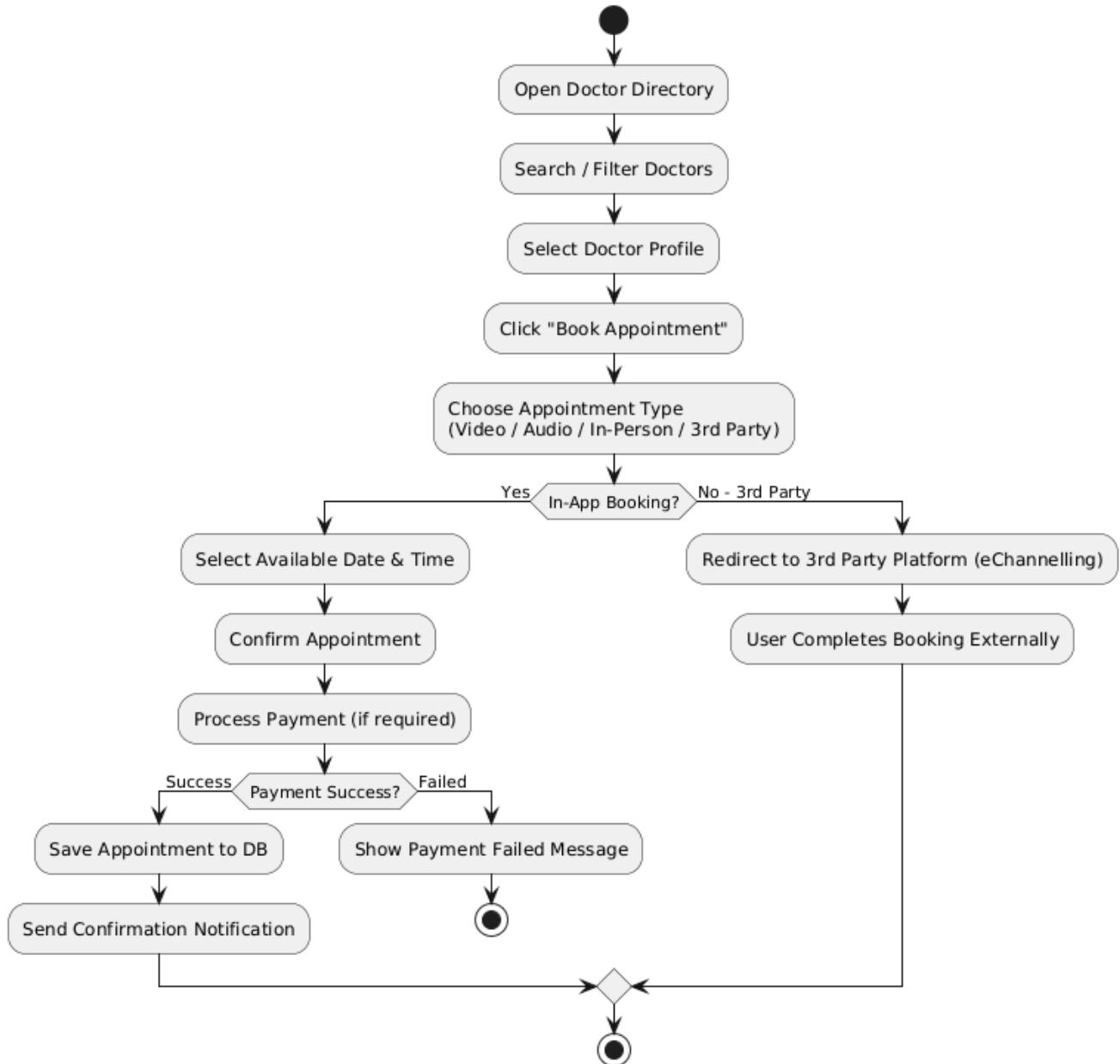
### 4.4.1. User Registration



#### 4.4.2. Adding Medical Record

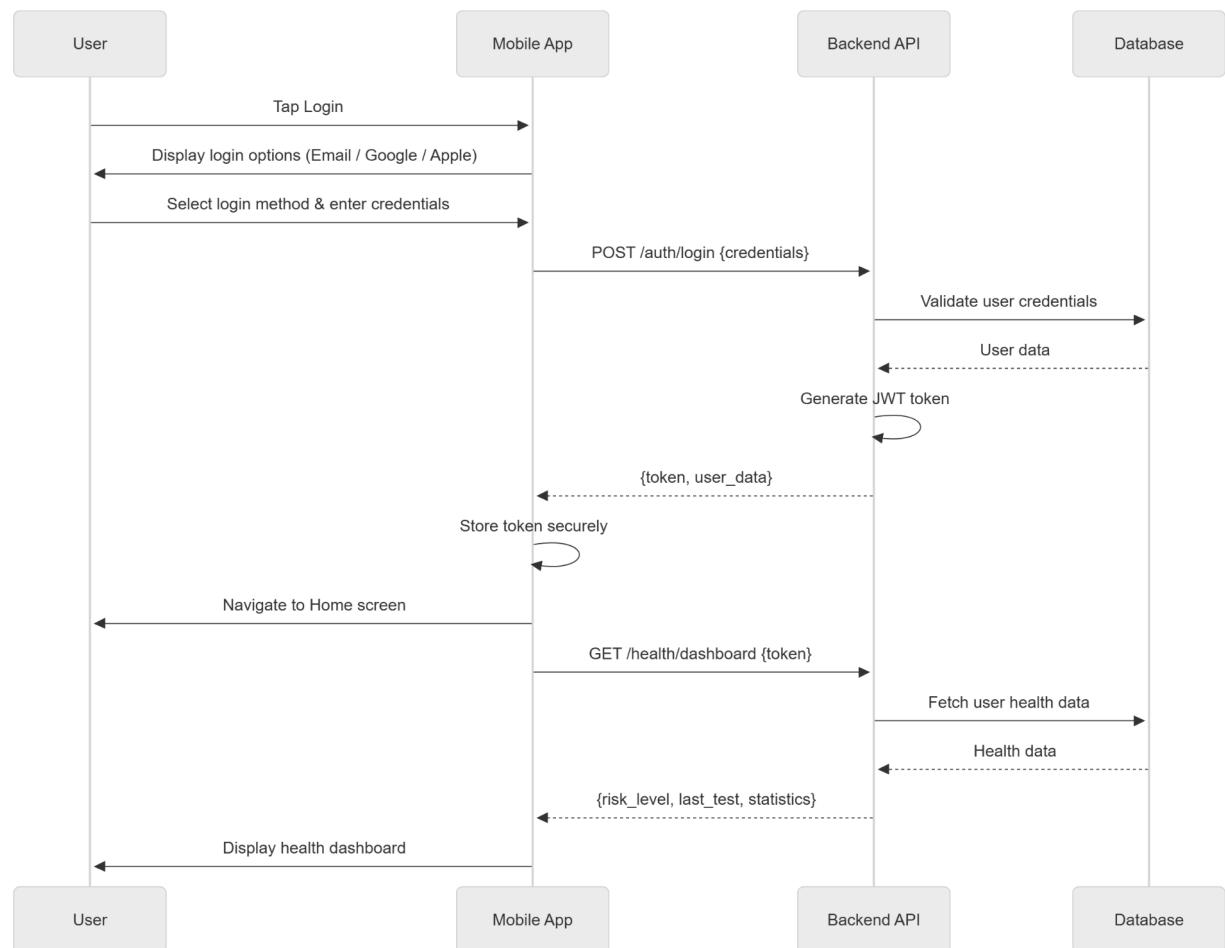


#### 4.4.3. Doctor Appointment Booking

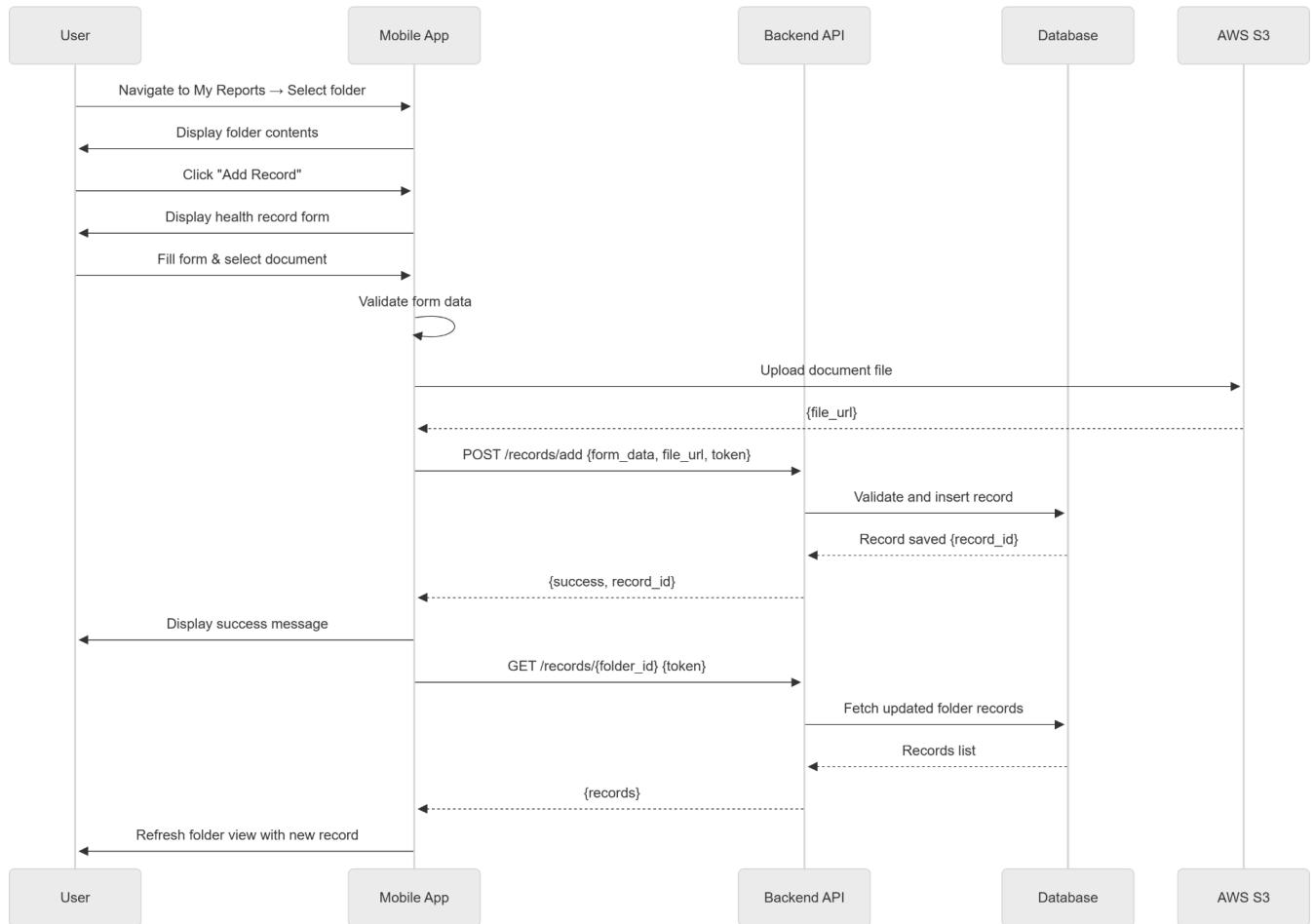


## 4.5. Sequence Diagrams

### 4.5.1. User Login Sequence



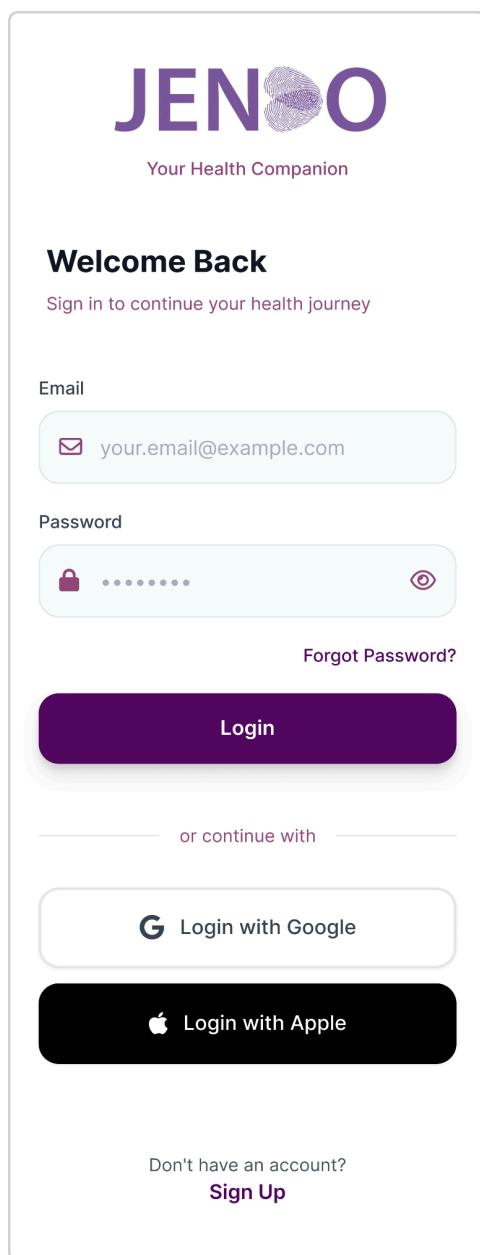
#### 4.5.2. Adding Medical Record Sequence



## 5. UI Designs

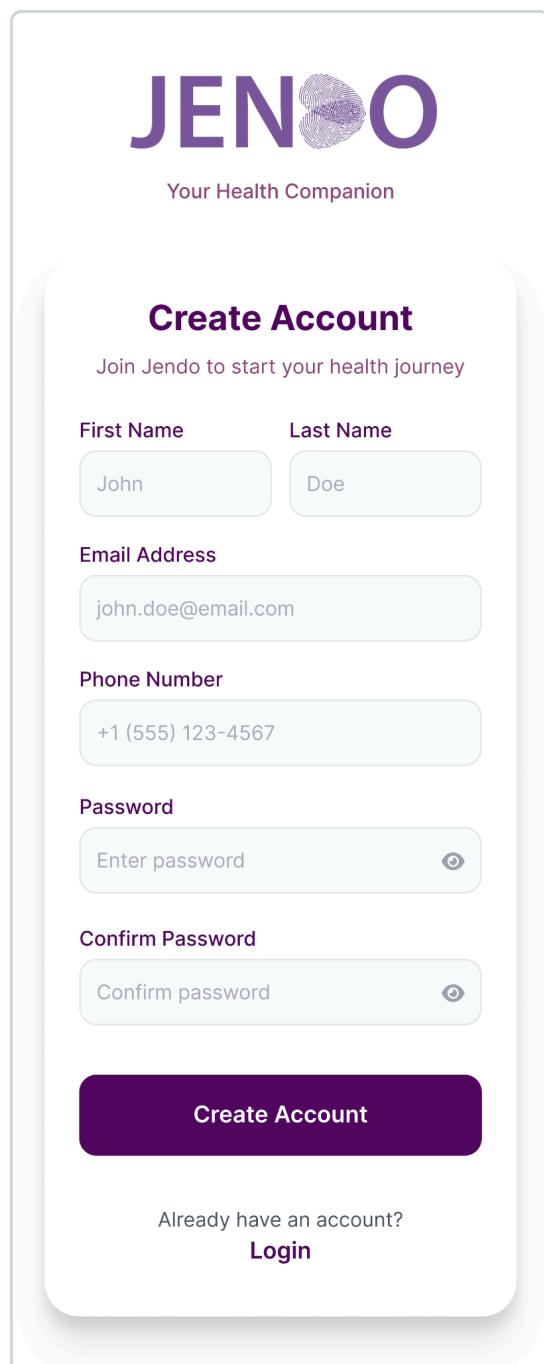
### 5.1 Authentication Screens

**Login Screen:**



The login screen features the Jendo logo at the top. Below it is the tagline "Your Health Companion". A large "Welcome Back" heading is centered, followed by a subtext "Sign in to continue your health journey". There are two input fields: "Email" containing "your.email@example.com" and "Password" showing a masked input. Below the password field is a "Forgot Password?" link. A large purple "Login" button is at the bottom. Below the button, there's a "or continue with" section with "Login with Google" and "Login with Apple" buttons. At the bottom, a link "Don't have an account? Sign Up" is provided.

**Sign Up Screen:**



The sign up screen features the Jendo logo at the top. Below it is the tagline "Your Health Companion". A large "Create Account" heading is centered, followed by a subtext "Join Jendo to start your health journey". There are four input fields: "First Name" (John), "Last Name" (Doe), "Email Address" (john.doe@email.com), and "Phone Number" (+1 (555) 123-4567). Below these is a "Password" field with placeholder "Enter password" and a "Confirm Password" field with placeholder "Confirm password". A large purple "Create Account" button is at the bottom. At the bottom, a link "Already have an account? Login" is provided.

**Password Reset Screens:**

### Reset Password



Enter your email address to receive a password reset link.

Email Address

Send Reset Link

Need help? [Contact Support](#)

### Verify Code



Enter the 6-digit code sent to your email.

Resend code in 00:25

Resend Now

Verify Code

Change Email

### New Password

Enter your new password below.

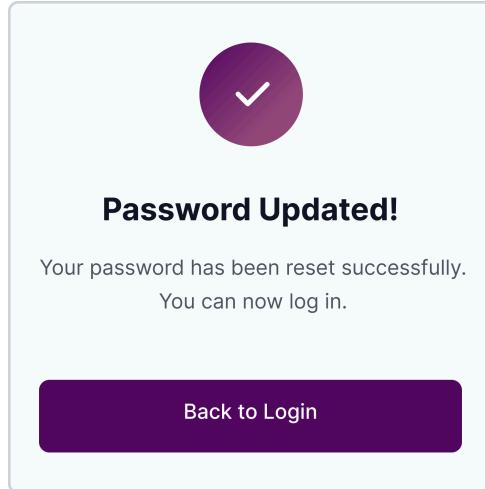
New Password

Confirm Password

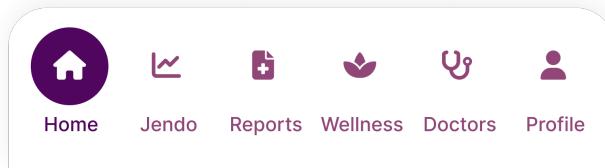
Password Requirements

- At least 8 characters
- Include numbers
- Include a special character

Reset Password



## 5.2 Main Navigation (Bottom Tabs)



## 5.3 Home Tab

The Home tab displays a personalized health summary for Sarah. At the top, it shows "Hello, Sarah" and "Here is your cardiovascular health summary". A progress bar indicates "Profile 70% Completed" with a "Complete Now" button. Below this is a "Jendo Risk Level" card showing "Low" with a green checkmark and a heart icon. The last test date is listed as "Nov 18, 2024".

**Your Statistics**

Jendo Score History: A line graph showing a score of 80 on Oct 15, peaking at 82 on Oct 22, dipping to 80 on Oct 29, rising to 84 on Nov 5, 87 on Nov 12, and ending at 89 on Nov 18. The graph includes a green upward arrow and the text "+2.3%".

**Your Health Overview**

Blood Pressure 120/80 ↑ Normal	HbA1c 6.8% ⚠ Monitor
BMI 23.5 ✓ Normal	Last Visit 2 months ago

**Test Reminder**

You haven't done your Jendo test recently.

At the bottom is a navigation bar identical to the one in section 5.2, with icons for Home, Jendo, Reports, Wellness, Doctors, and Profile.

## 5.4 Jendo Reports Tab

### Jendo Reports

Search reports...

March 15, 2024      **8.2** High Risk

February 28, 2024      **5.1** Moderate Risk

February 10, 2024      **2.8** Low Risk

January 22, 2024      **6.7** Moderate Risk

February 10, 2024      **2.8** Low Risk

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**February 28, 2024**

### Vascular Health Report

Report ID: eab0d      Operator: A. Tom  
Time: 02:49      Institute: Jendo AI Health  
Patient: John Doe      Age: 34

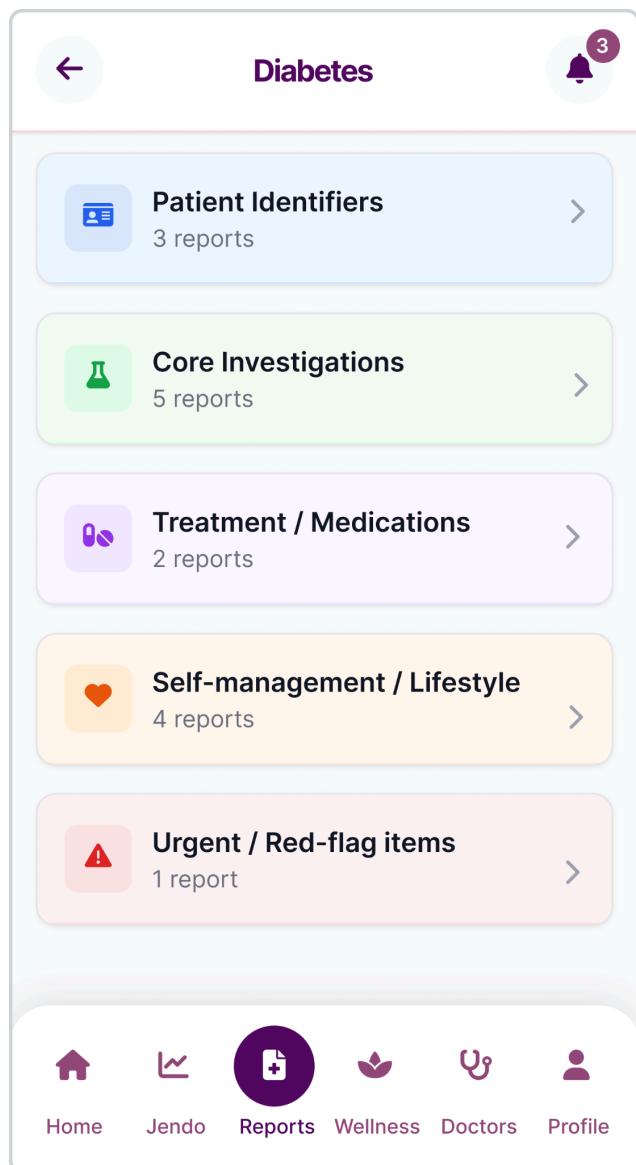
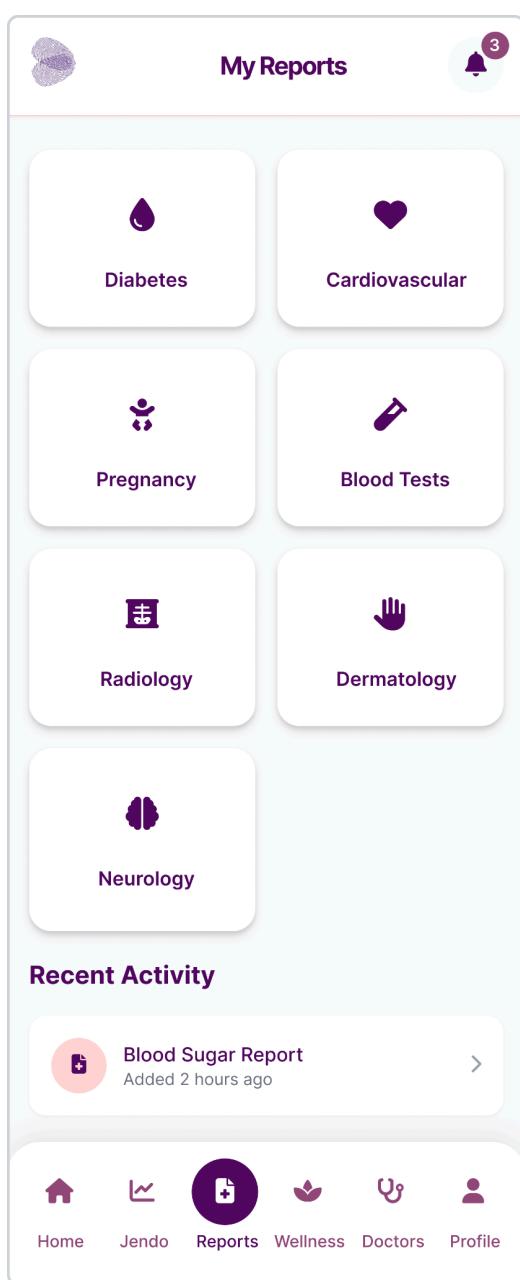
Vascular Risk: 58.0%      SpO<sub>2</sub>: 98.7%  
Systolic BP: 147 mmHg      Diastolic BP: 79 mmHg  
Heart Rate: 76 bpm

Risk Level	Low	Moderate	High
Risk Score	0-50	51-75	76-100

**Disclaimer:**  
This report is generated by an artificial intelligence (AI) system based on the information provided. While the AI has been trained to detect cardiovascular conditions, it may not identify issues accurately, and its results should not be considered definitive. The AI system does not replace professional medical advice, diagnosis, or treatment. If you experience any symptoms or have concerns about your vascular health, please seek consultation with a qualified healthcare professional.

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## 5.5 My Reports Tab



**Core Investigations**

- HbA1c >
- Fasting Plasma Glucose >
- Serum Creatinine → eGFR >
- Electrolytes >
- Urine Albumin-to-Creatinine Ratio (uACR) >
- Lipid Profile >
- Liver Function Tests (ALT / AST) >
- TSH >
- Foot Exam >
- Retinal Exam >
- ASCVD Cardiovascular Risk >

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**HbA1c Records**

Date	Value	Notes
15 Jan 2024	7.2%	Good control
10 Oct 2023	7.8%	Slightly high
22 Jul 2023	6.8%	Excellent
05 May 2023	7.5%	-
12 Feb 2023	8.1%	Need improvement

**+ Add New HbA1c Record**

Home Jendo Reports Wellness Doctors Profile

New Record

**HbA1c**

HbA1c

Enter value

**Attachments**

Drag & drop files here  
or click to browse

Choose Files

Supports images and PDFs

**Save Report** **Cancel**

Home Jendo Reports Wellness Doctors Profile

## 5.6 Wellness Tab

The image shows the Jendo app's Wellness Tab interface, divided into several sections:

- Wellness Recommendations:** A header section with a fingerprint icon and a bell icon with a '3' notification.
- Your Personal Health Plan:** A purple box containing a message about customized recommendations based on your health profile and three risk levels: Low Risk (green), Medium Risk (yellow), and High Risk (red).
- Diet Suggestions:** A section featuring the "Mediterranean Diet" (Rich in healthy fats and antioxidants) with a "Heart Healthy" button.
- Exercise Tips:** A section with three tips: "Cardio Workout" (30 minutes moderate activity, 5 days/week), "Strength Training" (2-3 sessions per week focusing on major muscle groups), and "Daily Walking" (Aim for 8,000-10,000 steps daily).
- Sleep Tips:** A section with four tips: "Sleep Schedule" (Maintain consistent bedtime and wake time), "Screen Time Limit" (Avoid screens 1 hour before bedtime), and "Sleep Environment" (Keep bedroom cool, dark, and quiet).
- Exercise Tips:** A section with three tips: "30-Min Morning Workout" (Start your day with energy), "Mindfulness Meditation" (5-minute daily breathing exercises), and "Learn & Improve" (Watch videos and explore wellness guides).
- Stress Management:** A section with three tips: "Better Sleep Hygiene" (Create the perfect sleep environment), "Mindfulness Meditation" (5-minute daily breathing exercises), and "Manage Stress with Breathing Techniques" (5 min).
- Heal:** A vertical sidebar on the right side of the bottom section, showing progress bars for "Heal" and "Exer".
- Bottom Navigation Bar:** A shared navigation bar at the bottom with icons for Home, Jendo, Reports, Wellness (highlighted in purple), Doctors, and Profile.

## 5.7 Doctors Tab

**Our Doctors**

All Doctors   Cardiology   **Neurology**

 **Dr. Sarah Williams**  
Neurologist  
12 years experience  
4.8 (195 reviews)

 **Dr. Emily Rodriguez**  
Neurologist  
8 years experience  
4.7 (156 reviews)

 **Dr. Lisa Thompson**  
Neurologist  
14 years experience  
4.8 (287 reviews)

**Doctor Details**

 **Dr. Sarah Mitchell**  
Cardiologist  
15 years experience  
4.9 (127 reviews)

Specialist in cardiovascular health with expertise in preventive cardiology and heart disease management. Committed to providing personalized care for optimal heart health.

**Consultation Options**

 **Book Through App**  
Schedule directly inside Jendo

 **Book via Partner App**  
Redirect to our partner platform

### Book Appointment

**Consultation Type**

- In-person**  
Visit clinic
- Video**  
Online consultation
- Chat**  
Text consultation

**Select Date**

- Mon 12
- Tue 13
- Wed 14**
- Thu 15

**Available Times**

9:00 AM	9:30 AM	10:00 AM
10:30 AM	<b>11:00 AM</b>	11:30 AM
2:00 PM	2:30 PM	3:00 PM
3:30 PM	4:00 PM	4:30 PM

**Appointment Summary**

Date	<b>Wed, Dec 14</b>
Time	<b>11:00 AM</b>
Type	<b>Chat consultation</b>
Duration	<b>30 minutes</b>

**Continue to Booking**

**Home** **Jendo** **Reports** **Wellness** **Doctors** **Profile**

### Video Consultation

**Video Consultation**

Connect with healthcare professionals through secure video calls. Get medical advice, prescriptions, and follow-up care from the comfort of your home.

**Duration**  
**15 minutes**

**Consultation Fee**  
**\$45.00**

**Date & Time**  
**Wed, Dec 14, 11:00 AM**

**What you need to prepare**

- ✓ Stable internet connection**
- ✓ Quiet environment**
- ✓ Medical history documents (optional)**

**Info** You'll receive a confirmation email with the video call link 30 minutes before your appointment.

**Continue to Booking**

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## In-person Consultation



### In-person Consultation

Connect with your doctor for a face-to-face visit at the clinic. Receive physical examinations, direct evaluation, prescriptions, and personalized treatment plans.

**Duration**  
20 minutes

**Consultation Fee**  
\$50.00

**Location**  
Trace Expert City, Colombo 10

**Date & Time**  
Wed, Dec 14, 11.00 AM

**What you need to prepare**

- National ID or passport
- Previous medical records
- Current prescriptions or medication list
- Appointment confirmation

**Additional Notes**

- Please arrive 10 minutes early.
- Rescheduling allowed up to 2 hours before.
- Emergency cases should visit nearest hospital.

**You will receive a confirmation email with your appointment details after booking.**

**Confirm Appointment**



## Chat Consultation



### Chat Consultation

Connect with healthcare professionals through secure chats. Get medical advice, prescriptions, and follow-up care from the comfort of your home.

**Duration**  
15 minutes

**Consultation Fee**  
\$45.00

**Date & Time**  
Wed, Dec 14, 11.00 AM

**What you need to prepare**

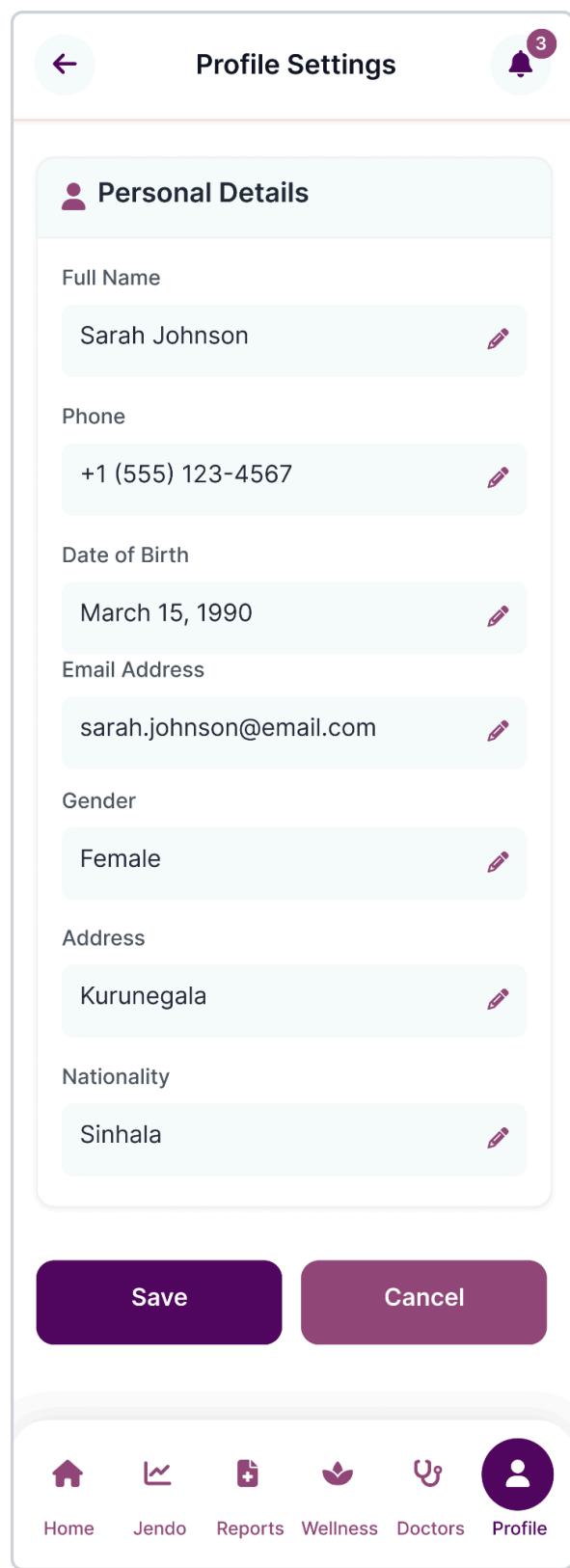
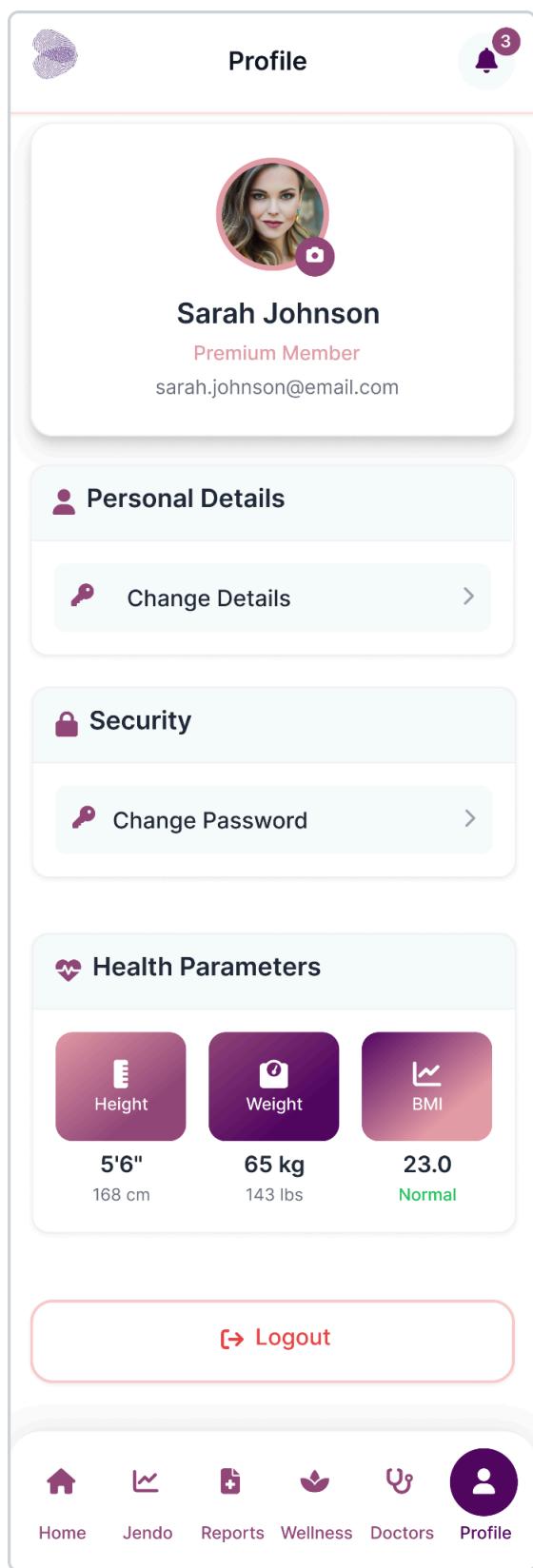
- Stable internet connection
- Quiet environment
- Medical history documents (optional)

**i** You'll receive a confirmation email with the chat link 30 minutes before your appointment.

**Confirm Appointment**



## 5.8 Profile Tab



 Change Password 

**Current Password**

Enter current password 

**New Password**

Enter new password 

Minimum 8 characters

**Confirm New Password**

Confirm new password 

 **Password Requirements**  
Password must include letters and numbers  
for better security

**Update Password**

       
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## 5.9 Notifications Screen

The image shows a mobile application's notifications screen. At the top, there is a back arrow, the word "Notifications", and a bell icon with a "3" indicating three unread notifications. Below this, there are seven notification cards, each with a circular icon and a title, followed by a detailed message and a timestamp.

- High Blood Pressure Alert**  
Your recent reading shows elevated levels. Please consult your doctor.  
5 minutes ago
- Jendo Test Reminder**  
Your quarterly jendo test is due tomorrow at 9:00 AM.  
2 hours ago
- Wellness Tip of the Day**  
Stay hydrated! Aim for 8 glasses of water daily to maintain optimal health.  
1 day ago
- Doctor Recommendation**  
Dr. Sarah Chen recommends a follow-up appointment next week.  
1 day ago
- Medication Reminder**  
Time to take your evening medication. Don't forget!  
2 days ago
- Weekly Health Report**  
Your weekly health summary is ready. Great progress this week!  
3 days ago
- Irregular Heart Rate Detected**  
Your heart rate was irregular during your last workout. Monitor closely.  
4 days ago