FORMAT

1. **Brief Introduction:**
   - The medicine recommender app aims to provide users with personalized recommendations for medical assistance and information regarding various diseases. It leverages technology to offer accessible and reliable guidance to individuals seeking healthcare advice.
2. **Purpose and Objectives:**
   - The primary purpose of the project is to empower users with valuable medical insights and assistance, ultimately improving their health outcomes and well-being.
   - Objectives may include enhancing user engagement, promoting health literacy, and fostering informed decision-making regarding healthcare management.
3. **Key Stakeholders:**
   - Key stakeholders involved in the project may include developers, healthcare professionals, regulatory authorities, potential investors, and end-users.

- Each stakeholder group may have unique perspectives, requirements, and expectations that need to be considered throughout the project lifecycle.

4. **Anticipated Outcomes/Deliverables:**
    - Anticipated outcomes may include the successful development and deployment of the medicine recommender app, positive user feedback, increased user engagement, and improved health outcomes.
    - Deliverables may encompass the app itself, documentation, user guides, training materials, and marketing collateral.

Purpose and Scope of the App:

1. **Purpose:**
    - The medicine recommender app serves as a digital platform for users to access reliable medical assistance and information conveniently.
    - It aims to bridge the gap between users and healthcare resources, empowering individuals to make informed decisions about their health.
2. **Scope:**
    - The scope of the app encompasses providing comprehensive information and guidance on a

wide range of diseases, including common ailments and chronic conditions.

- Target audiences include the general public seeking medical information, patients managing specific health conditions, and caregivers supporting their loved ones' health needs.
- The app will cover a diverse range of diseases, ranging from minor illnesses to more complex medical conditions, ensuring inclusivity and relevance to a broad user base.

3. **Expected Benefits:**

- Users will benefit from convenient access to accurate and up-to-date medical information, empowering them to make informed decisions about their health.
- Healthcare professionals may benefit from reduced workload related to answering routine inquiries, allowing them to focus on more complex patient needs.
- Stakeholders, including developers and investors, may benefit from the app's potential for scalability, marketability, and positive social impact.

Product/Service Description:

Overview of the Medicine Recommender App:

1. **Functionality:**

- The medicine recommender app functions as a comprehensive digital platform offering personalized recommendations for medical assistance and information.
- It utilizes advanced algorithms and medical databases to analyze user input and provide relevant insights and guidance tailored to individual needs.

2. **Accessibility:**
   - The app will be accessible via multiple platforms, including mobile devices (iOS and Android) and web browsers, ensuring widespread availability and usability.
   - Accessibility features will be incorporated to accommodate users with diverse needs, including those with disabilities or limited technological proficiency.

3. **Unique Features:**
   - One unique feature of the app is its personalized recommendation engine, which utilizes machine learning algorithms to analyze user input and provide tailored medical advice.
   - Another unique aspect is the integration of a chatbot functionality, allowing users to interact

with a virtual assistant for real-time medical assistance and guidance.

Description of Features:

1. **Search Bar:**
    - The app features a user-friendly search bar that enables users to quickly access a comprehensive list of diseases and medical conditions.
    - Users can enter keywords or phrases related to their health concerns, allowing them to efficiently navigate the app's content and find relevant information.
2. **Disease Description Section:**
    - Each disease listed in the app is accompanied by a detailed description, including information on causes, symptoms, diagnosis, treatment options, and preventive measures.
    - Users can access this information to gain a better understanding of specific health conditions and make informed decisions about their healthcare management.
3. **Chatbot Functionality:**
    - The app incorporates a chatbot feature that allows users to interact with a virtual assistant for personalized medical assistance and guidance.

- Users can ask questions about their symptoms, medical concerns, or treatment options, receiving real-time responses and recommendations based on their input.

User Characteristics:

Target Users:

1. **Primary Audience:**
   - The primary target audience for the app includes individuals seeking reliable medical information and assistance for various health concerns.
   - This may include adults of all ages, caregivers responsible for managing their loved ones' health, and patients looking to better understand their medical conditions.
2. **Secondary/Niche User Groups:**
   - Secondary user groups may include healthcare professionals seeking quick reference materials, researchers studying disease trends, and educators looking to supplement health education materials.
   - Niche user groups may include individuals with specific medical conditions or demographic characteristics, such as pregnant women, elderly individuals, or individuals with disabilities.

User Needs and Expectations:

1. **Specific Needs:**
   - Users require access to accurate and reliable medical information presented in a clear and understandable manner.
   - They expect the app to offer personalized recommendations and guidance tailored to their individual health concerns and preferences.
2. **Expectations:**
   - Users expect the app to be user-friendly, intuitive, and accessible across various devices and platforms.
   - They anticipate timely and helpful responses to their inquiries, whether through the search functionality or the chatbot feature.

Certainly! Let's incorporate the additional information and rewrite the sections with the specified technologies:

Project Overview:

1. **Brief Introduction:**
   - The medicine recommender app, developed using Flutter and Dart technologies, aims to provide users with personalized recommendations for medical assistance and information regarding

various diseases. Leveraging the capabilities of Flutter, the app ensures cross-platform compatibility and a seamless user experience.

2. **Purpose and Objectives:**
   - The primary purpose of the project is to empower users with valuable medical insights and assistance, ultimately improving their health outcomes and well-being. By utilizing Dart for its robust programming capabilities, the app seeks to enhance user engagement, promote health literacy, and foster informed decision-making regarding healthcare management.
3. **Key Stakeholders:**
   - Key stakeholders involved in the project, including developers proficient in Flutter and Dart, healthcare professionals, regulatory authorities, potential investors, and end-users, collaborate to ensure the app's success. The versatility of Flutter allows developers to meet the diverse perspectives, requirements, and expectations of stakeholders throughout the project lifecycle.
4. **Anticipated Outcomes/Deliverables:**
   - Anticipated outcomes include the successful development and deployment of the medicine

recommender app, driven by Flutter's efficient development process and customizable UI components. Positive user feedback, increased engagement, and improved health outcomes are expected, facilitated by Dart's performance optimization capabilities. Deliverables encompass the app itself, along with documentation, user guides, training materials, and marketing collateral, created using Dart's versatile programming features.

Purpose and Scope of the App:

1. **Purpose:**
   - Developed with Flutter and Dart, the medicine recommender app serves as a digital platform for users to access reliable medical assistance and information conveniently. By leveraging Flutter's expressive UI toolkit, the app aims to bridge the gap between users and healthcare resources, empowering individuals to make informed decisions about their health.
2. **Scope:**
   - The scope of the app, powered by Flutter's rich widget library and Dart's fast development cycle, encompasses providing comprehensive information and guidance on a wide range of

diseases. Target audiences include the general public seeking medical information, patients managing specific health conditions, and caregivers supporting their loved ones' health needs. Dart's flexibility allows the app to cover a diverse range of diseases, ensuring inclusivity and relevance to a broad user base.

3. **Expected Benefits:**
    - Users benefit from convenient access to accurate and up-to-date medical information, facilitated by Flutter's hot reload feature for real-time updates and debugging. Healthcare professionals experience reduced workload related to routine inquiries, thanks to Dart's strong typing system ensuring code reliability and maintainability. Stakeholders, including developers and investors, benefit from Flutter's potential for scalability, marketability, and positive social impact, driven by Dart's efficient compilation to native code.

Product/Service Description:

Overview of the Medicine Recommender App:

1. **Functionality:**
    - Developed using Flutter and Dart, the medicine recommender app functions as a comprehensive

digital platform offering personalized recommendations for medical assistance and information. Flutter's reactive framework and Dart's asynchronous programming capabilities enable the app to provide seamless user interactions and data retrieval, enhancing user experience and engagement.

2. **Accessibility:**
   - Accessible via multiple platforms, including mobile devices (iOS and Android) and web browsers, the app ensures widespread availability and usability. Utilizing Flutter's accessibility widgets and Dart's internationalization support, the app accommodates users with diverse needs, including those with disabilities or limited technological proficiency.
3. **Unique Features:**
   - One unique feature of the app is its personalized recommendation engine, powered by Dart's machine learning capabilities for data analysis and inference. The integration of a chatbot functionality, facilitated by Flutter's integration with natural language processing libraries, allows users to interact with a virtual assistant for realtime medical assistance and guidance.

SECTION-1

Executive Summary:

Medvisor is a comprehensive application designed to streamline prescription management for individuals, ensuring timely access to medications and simplifying the ordering process. By offering features such as electronic prescription management, pill reminders, and convenient access to healthcare professionals, Medvisor aims to empower users to take control of their medication needs effectively.

1.1 Project Overview:

Medvisor is targeted towards individuals who require assistance in managing their prescriptions efficiently. Whether they are managing multiple medications or simply seeking convenience in the prescription ordering process, Medvisor caters to a broad audience of users looking to streamline their healthcare routines. **1.2 Purpose and Scope of this Specification:**

The purpose of this specification is to outline the functionalities and features of Medvisor, as well as define the intended audience and scope of the application.

Intended Audience:

- Healthcare professionals
- Individuals managing prescriptions for themselves or others
- Pharmacists and pharmacy staff *Scope:*
- Electronic prescription management, including the ability to receive and store eScripts securely.
- Simplified ordering process for prescriptions, allowing users to order medications directly through the app.
- Timely reminders for medication intake, ensuring users adhere to their prescribed regimens.
- Access to healthcare professionals for consultation and advice.
- Integration with pharmacy systems for seamless prescription fulfillment.
- User-friendly interface for easy navigation and utilization of features.

Out of Scope:

- Diagnosis or treatment recommendations; Medvisor serves as a tool for prescription management rather than providing medical advice.
- Direct dispensing of medications; while Medvisor facilitates the ordering process, it does not handle the physical dispensation of medications.

By defining the purpose, audience, and scope of Medvisor, this specification serves as a guide for development, ensuring that the application meets the needs of its users effectively.

2. Product/Service Description

This section explores the general factors that influence Medvisor's development and its subsequent requirements. Here, we'll focus on the background information explaining the "why" behind specific requirements detailed later in the SRS.

Factors Affecting Medvisor:

- **Medication Management Complexity:** Medvisor aims to simplify medication management for users with varying needs.
  - Some users might have complex regimens requiring features to manage multiple medications, track refills, and monitor potential interactions.
  - Others might have simpler needs, requiring basic reminders and tracking for one or two medications.
- **User Diversity:** Medvisor caters to a broad user base.
  - Understanding the range of users (patients, caregivers) ensures the app accommodates diverse needs.

- Technical expertise and user experience with medication management will influence the design and features offered.

- **Integration with Healthcare Ecosystem:** Medvisor should seamlessly integrate with existing healthcare systems. This includes pharmacies, electronic health records (EHRs), and potentially healthcare providers. Integration ensures data accuracy, simplifies prescription refills, and potentially allows for communication with healthcare professionals.

By understanding these factors, we can establish specific requirements later in the SRS that address the needs of various users and functionalities.

2.1 User Characteristics

Medvisor caters to a diverse user base, so understanding their profiles is crucial. Here's a breakdown of potential user types:

2.1.1 Patients/Clients:

- **Experience:** Experience with medication management can vary greatly.
  - **Seasoned Users:** Individuals with chronic conditions accustomed to managing multiple prescriptions.

- **New Users:** Individuals unfamiliar with medication management, possibly starting new prescriptions.

- **Technical Expertise:** Technical comfort levels differ significantly.
    - **Tech-Savvy Users:** Comfortable navigating smartphone applications and technology.
    - **Limited Tech Experience:** May require more inapp guidance and support.

2.1.2 Other Characteristics:

- **Age:** Elderly users might prefer simpler interfaces and larger fonts.
- **Health Literacy:** Understanding of health information can influence app interaction.
- **Mobility Issues:** May require features that accommodate limitations.
- **Cognitive Abilities:** Cognitive function can impact how users interact with the application.

By considering these user profiles, Medvisor's design and functionality can be tailored to accommodate the needs and comfort levels of diverse user groups.

2.2 Assumptions

The following assumptions will influence the requirements for Medvisor:

- **Smartphone Availability:** We assume users will have access to a smartphone compatible with the application.
- **Internet Connectivity:** The application will require a stable internet connection for certain functionalities like prescription refills and potential communication features.
- **Basic Technical Literacy:** Users are assumed to have a basic understanding of how to use smartphone applications.
- **Healthcare System Integration:** We assume a willingness from pharmacies and potentially healthcare providers to integrate with Medvisor's system for features like Escripts and data exchange.

2.3 Constraints

Several constraints will influence the design of Medvisor:

2.3.1 **Security and Data Privacy:** As Medvisor handles sensitive health information, robust security measures and adherence to data privacy regulations are paramount.

2.3.2 **Accessibility:** The application should be accessible to users with varying technical expertise and potential disabilities. This might involve features like screen reader compatibility and larger font options.

2.3.3 **Regulatory Compliance:** Medvisor must comply with relevant healthcare data regulations to ensure user trust and data security.

2.3.4 **System Resources:** Development should consider potential limitations on user device storage and processing power to ensure smooth operation on various smartphones.

2.3.5 **Development Resources:** The project will have limitations on development time, budget, and available personnel. This will influence the scope of features and functionalities offered in the initial version.

2.4 Dependencies

Medvisor's requirements will be impacted by several external dependencies:

- **Third-Party APIs:** Integration with pharmacy systems and potentially Electronic Health Records (EHRs) will likely rely on third-party APIs. The availability, functionality, and data exchange formats of these APIs will influence Medvisor's features and functionalities.
- **Operating System Updates:** The application's requirements might need to adapt to future updates and

security patches released by the target smartphone operating systems (e.g., Android, iOS).

- **Compliance Regulations:** Changes in healthcare data privacy regulations or regulations surrounding prescription management might necessitate updates to Medvisor's features and functionalities to remain compliant.

Section-2

2. PRODUCT/SERVICE DESCRIPTION

2.1 USER CHARACTERISTICS

Understanding the diverse profiles of potential users is paramount to designing an application that meets their needs and expectations effectively. The user base for the medicine recommender application can be segmented into various categories, including:

- **Students:** Seeking medical information for academic research, coursework, or personal knowledge enhancement.
- **Faculty and Staff:** Accessing the application for professional purposes, such as staying updated on medical advancements or providing guidance to students.
- **General Users:** Individuals from all walks of life, ranging from young adults to seniors, with varying levels of health literacy and technical proficiency.

These user profiles encompass a wide range of experiences, technical expertise, and general characteristics, all of which must be considered during the application's design and development phases to ensure inclusivity and usability.

2.2 ASSUMPTIONS

As we embark on this development journey, several key assumptions underpin our approach to building the medicine recommender application:

. **Operating System Compatibility:** It is assumed that the application will be compatible with the latest versions of popular operating systems, including iOS and Android.
- **Internet Connectivity:** Users are expected to have access to reliable internet connectivity to enable seamless interaction with the application's features and functionalities.
- **Basic User Proficiency:** While the application aims to be user-friendly, it is assumed that users possess basic knowledge of navigating mobile applications.
- **Device Preference:** Given the ubiquity of smartphones and tablets, the application is primarily

designed for use on these devices to cater to user preferences and usage habits.

These assumptions provide valuable insights into the contextual factors that may influence the application's design and development trajectory.

2.3 CONSTRAINTS

The development of the medicine recommender application is subject to various constraints that shape its design options and implementation strategies. These constraints include:

- **Integration with Existing Systems:** The application must seamlessly integrate with existing healthcare systems to ensure data consistency and interoperability, imposing constraints on the design architecture and data exchange protocols.
- **Audit Functions:** Robust audit functions, including audit trails and log files, must be implemented to

track user interactions and ensure compliance with regulatory standards, thereby influencing the application's logging and monitoring mechanisms.

- **Security and Privacy Compliance:** Stringent security and privacy requirements, such as compliance with HIPAA regulations, dictate the implementation of robust access controls, encryption mechanisms, and data protection measures, influencing various aspects of the application's architecture and functionality.

- **Resource Constraints:** The application must operate within defined resource constraints, such as limits on disk space, memory, and processing power, necessitating optimization strategies to ensure optimal performance and scalability across different devices and usage scenarios.
- **Technology Stack Compatibility:** The choice of technology stack, including programming languages and frameworks, must align with established standards and best practices to facilitate seamless integration, maintenance, and future enhancements, imposing constraints on development toolkits and libraries.

These constraints provide valuable insights into the

challenges and considerations that shape the development process and inform decision-making at various stages of the project lifecycle.

2.4 DEPENDENCIES

The successful development and deployment of the medicine recommender application are contingent upon various dependencies that must be addressed and managed effectively. These dependencies include:

1. **Data Updates:** The application relies on daily data updates from external sources to ensure the availability of up-to-date medical information, necessitating robust data ingestion pipelines and synchronization mechanisms to facilitate timely updates and maintain data integrity.
2. **Module Dependencies:** Certain modules within the application, such as data retrieval and processing modules, serve as prerequisites for subsequent modules, such as recommendation and chatbot functionalities, imposing dependencies that must be managed to ensure a cohesive and functional application architecture.

Managing these dependencies effectively is crucial to

ensuring the smooth progression of the development process and the successful realization of the application's objectives.

Section-3

3. REQUIREMENTS

In order to ensure the successful development and deployment of the medicine recommender application, it is imperative to outline the various requirements that will guide the design and functionality of the app. These requirements encompass several key areas, including functionality, user interface, usability, performance, manageability/maintainability, system interface/integration, security, data management, and standards compliance.

3.1 FUNCTIONAL REQUIREMENTS

Functional requirements define the specific features and capabilities that the medicine recommender application must possess to meet user needs and expectations effectively. These include:

- The ability to provide personalized recommendations for medical assistance and information.
- A comprehensive search functionality enabling users to access a wide range of diseases and medical conditions.
- A disease description section for each listed disease, offering detailed information on causes, symptoms, diagnosis, treatment options, and preventive measures.
- Integration of a chatbot functionality for real-time medical assistance and guidance.

3.2 USER INTERFACE REQUIREMENTS

User interface requirements focus on designing user-friendly interface for the medicine application. These include:

- A visually appealing and intuitive design layout that enhances user experience and engagement.
- Clear navigation pathways and interactive elements to facilitate seamless interaction with the app's features.
- Consistent design elements and branding across different platforms and devices to ensure a cohesive user experience.

3.3 USABILITY

nents aim to optimize the usability of the ıender application, ensuring that users can ıd utilize its features. These include:

- Intuitive search functionality with predictive text suggestions and autocomplete features to streamline the search process.
- Clear and concise presentation of disease information to facilitate understanding and decision-making.

- Accessibility features such as text-to-speech capabilities and adjustable font sizes to accommodate users with disabilities or special needs.

3.4 PERFORMANCE

Performance requirements focus on optimizing the speed, responsiveness, and reliability of the medicine recommender application. These include:

- Ensuring fast response times for search queries and information retrieval to minimize user wait times.
- Maximizing system uptime and availability to ensure uninterrupted access to medical assistance and information.
- Minimizing latency in user interactions and data processing to enhance overall user experience and satisfaction.

3.5 MANAGEABILITY/MAINTAINABILITY

Manageability and maintainability requirements ac
app's ease of management and ongoing maintenan
include:

- Implementation of monitoring tools and systems to track system health and performance metrics in real-time.
- Establishment of standardized maintenance procedures and protocols to facilitate efficient updates and enhancements.
- Streamlining operational processes and workflows to ensure smooth day-to-day operations and support activities.

3.6 SYSTEM INTERFACE/INTEGRATION

System interface and integration requirements fc
seamless integration with external systems and
include:

- Integration with external medical databases and APIs to retrieve and display accurate and up-to-date disease information.
- Implementation of data synchronization mechanisms to ensure consistency and coherence between different data sources and systems.

3.7 SECURITY

nents address the protection of user data and
ıe medicine recommender application. These
include:

- Implementation of robust encryption and data protection measures to safeguard sensitive user information from unauthorized access or disclosure.
- Implementation of authentication and authorization mechanisms to control access to medical information and features within the app.

3.8 DATA MANAGEMENT

uirements focus on the effective
storage,
retrieval, and management of
recommender application. The

- Secure storage and retrieval of disease information, ensuring data integrity and confidentiality.

- Implementation of privacy considerations and user consent mechanisms for handling personal health data within the app.

3.9 STANDARDS COMPLIANCE

Standards compliance requirements ensure that the medicine recommender application adheres to established industry standards and regulations. These include:

- Compliance with medical data standards such as HIPAA to ensure the confidentiality and integrity of user health information.
- Adherence to design and development standards, including programming languages and frameworks, to ensure compatibility and maintainability.

By addressing these requirements comprehensively, the medicine recommender application can be developed and deployed effectively, meeting the needs and expectations of its users while adhering to industry standards and best practices.

SECTION-4

4. User Scenarios/Use Cases

In this section, we delve into the practical application of the medicine recommender application through user scenarios and use cases. These scenarios and cases are presented in a manner accessible to all readers, including customers and first-time users. We aim to provide a thorough understanding of how the application addresses significant business needs, identifies and prioritizes problems, describes the business and technical environment, states desired objectives, defines actors, and establishes clear metrics for success.

Business Scenario:

Business Need:
The healthcare landscape is witnessing a surge in demand for accessible and trustworthy medical assistance and information. Individuals often find themselves overwhelmed by the plethora of health-related data available online, leading to confusion and misinformation. This gap in reliable healthcare guidance highlights the pressing need for a solution that can offer personalized medical recommendations and assistance tailored to individual needs.

Problem Statement:

The absence of a centralized platform for accessing accurate and up-to-date medical information exacerbates the challenge of navigating the complex healthcare landscape. Existing healthcare applications may lack userfriendly interfaces and fail to address the diverse needs of users effectively. Consequently, users experience difficulty in finding relevant information and making informed decisions about their health. This underscores the critical need for a comprehensive solution that amalgamates advanced technology with medical expertise to deliver personalized healthcare recommendations and assistance.

Business and Technical Environment:

The medicine recommender application operates within the dynamic healthcare technology sector, leveraging state-of-the-art technologies such as Flutter and Dart to deliver a seamless user experience across various platforms. By integrating with external medical databases and APIs, the application gains access to an extensive repository of disease information, ensuring accuracy and reliability. Its user-friendly interface and intuitive features cater to users with varying levels of technical expertise and health literacy, fostering inclusivity and accessibility.

Desired Objectives:

At the heart of the medicine recommender application lies the mission to empower users with personalized medical recommendations and assistance, ultimately enhancing their health outcomes and overall well-being. By furnishing accurate and up-to-date information about a myriad of diseases, symptoms, diagnosis, and treatment options, the application endeavors to bridge the gap between users and healthcare resources. Through informed decisionmaking and proactive healthcare management, users can take charge of their health journey, leading to improved health outcomes and enhanced quality of life.

Actors and Business Model:

The ecosystem of the medicine recommender application comprises various key actors, each playing a pivotal role in its functioning and success. These actors include:

- **Users:** Individuals seeking medical assistance and information.
- **Healthcare Professionals:** Experts contributing to the development, maintenance, and validation of medical content within the application.
- **External Stakeholders:** Regulatory authorities, investors, and other stakeholders invested in the success and sustainability of the application.

The collaborative efforts of these actors synergize to create a robust and effective healthcare ecosystem, wherein users receive personalized medical recommendations and assistance tailored to their unique needs and preferences.

Specific and Measurable Metrics for Success:
To gauge the effectiveness and impact of the medicine recommender application, various metrics are employed, including:

. **User Engagement Metrics:** Active users, session duration, user retention rates.
- **Medical Recommendation Metrics:** User satisfaction scores, feedback ratings, accuracy of recommendations.
- **Health Outcomes Metrics:** Improved health outcomes, reduced healthcare costs, enhanced quality of life.

These metrics serve as tangible indicators of the application's success in fulfilling its objectives and driving positive health outcomes for users. Through continuous monitoring and evaluation, the application can adapt and evolve to meet the evolving needs of its user base effectively.

By delving into these business scenarios and use cases, the

medicine recommender application strives to embody its core mission of providing personalized medical recommendations and assistance, empowering users to navigate their health journey with confidence and clarity.

SECTION-5

5. Deleted or Deferred Requirements

During the development process, certain requirements may be deemed unnecessary or deferred for future implementation. These could be due to various reasons such as changes in project scope, shifting priorities, or technical constraints. Below are examples of deleted or deferred requirements:

Req#	Business Requirement	Status	Comments	Priority	SME Reviewed/Approved
1	Integration with Wearable Devices	Deleted	The integration with wearable devices was deemed unnecessary for the initial release.	Low	Yes
2	Social Media Sharing Feature	Deferred	The implementation of social media sharing functionality will be considered for a future version.	Medium	Yes

Appendix A. References

References:

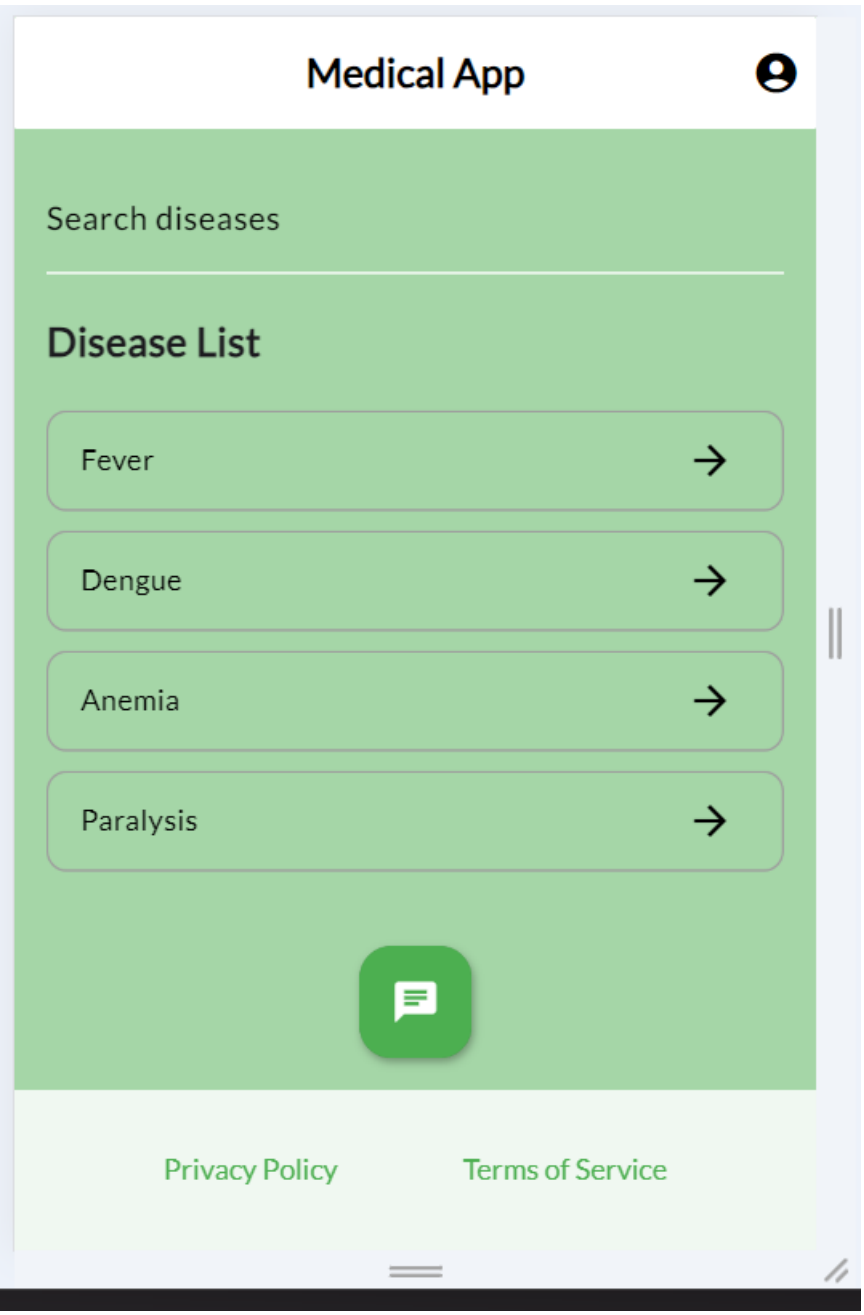
1. Medical Journal: "Health Trends and Innovations in Medicine", January 2023.
2. Flutter Documentation: Official documentation for the Flutter framework, https://flutter.dev/docs.
3. Dart Programming Language Specification: Official documentation for the Dart programming language, https://dart.dev/guides/language/spec.

Appendix B. Requirements Traceability Matrix

The Requirements Traceability Ma

requirements to specific deliverables, ensuring comprehensive coverage and alignment throughout the project lifecycle. Below is an example of the RTM:

Requirement ID	Functional Requirement	User Interface Requirement	Usability	Performance	Security
FR-001	Search functionality for diseases	Search bar for diseases	Intuitive search feature	Fast response times	Data encryption for user privacy
FR-002	Disease description section	Clear presentation of disease information	User-friendly layout	Minimal latency	Secure user authentication
FR-003	Chatbot functionality for medical queries	Interactive chatbot interface	Accessible interface	High availability	Data protection measures


Medical App
Search diseases
Disease List
Fever
Dengue
Anemia
Paralysis
Privacy Policy
Terms of Service

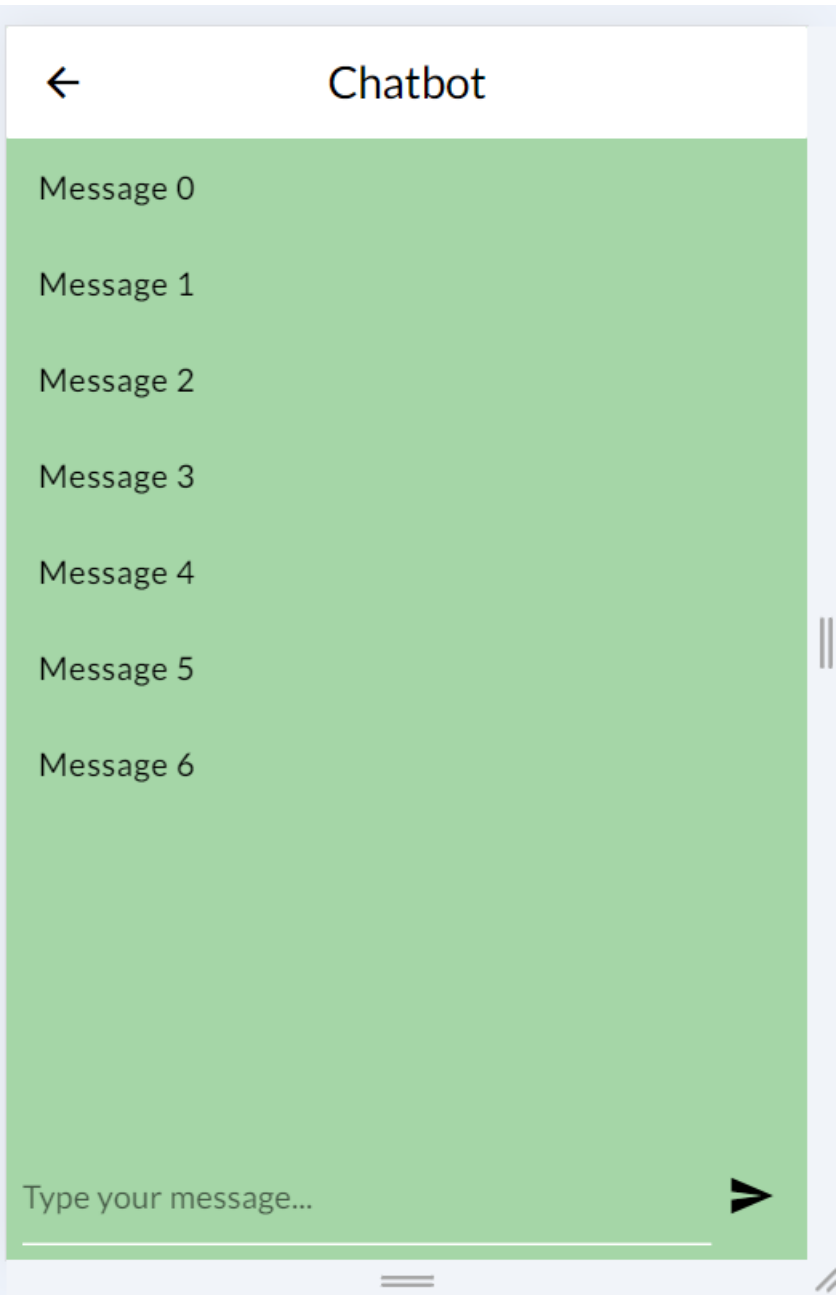
Fever

About:

Fever is a common medical sign characterized by an elevation of temperature above the normal range of 36-37 °C (98-100 °F), due to an increase in the body's temperature set-point. This increase in set-point triggers increased muscle contractions and causes a feeling of cold. A person with a fever may also experience chills or shivering.

Cause:

Fever can be caused by various factors, including infections (such as viral or bacterial infections), inflammatory conditions, certain medications, heat exhaustion, or other medical conditions.


Chatbot
Message 0
Message 1
Message 2
Message 3
Message 4
Message 5
Message 6
Type your message...

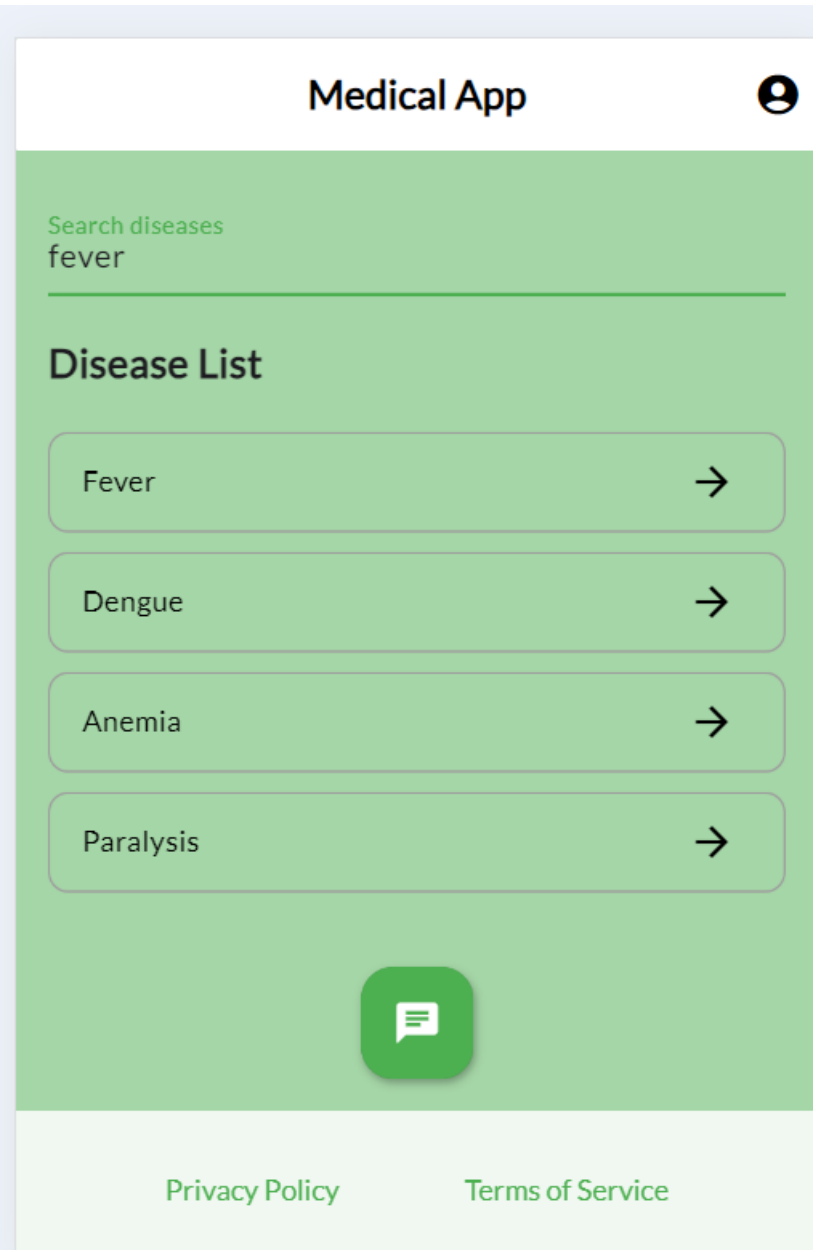
Anemia

About:

Anemia is a condition in which you lack enough healthy red blood cells to carry adequate oxygen to your body's tissues. Having anemia can make you feel tired and weak.

Cause:

Anemia can occur for many reasons, including vitamin deficiencies, iron deficiency, chronic diseases, and genetic factors.


Medical App
Search diseases
fever
Disease List
Fever
Dengue
Anemia
Paralysis
Privacy Policy
Terms of Service

Thank You