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**FSPM PROJECT**

Section: 8-B

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# **Business Statement**

E-Sehat is an innovative software application that seeks to transform the manner in which patients with skin diseases communicate with dermatologists. Our application provides a practical and cost-effective solution that enables patients to receive clinical recommendations, diagnoses, and treatments from the convenience of their own homes, thereby reducing the need for in-person visits to medical clinics and hospitals.

Our application will facilitate virtual call-based consultations between patients and dermatologists, easing patients' access to immediate medical care and reducing wait times for appointments. The application will serve as a portal for patients and dermatologists, enabling them to interact in real-time and access a variety of features and tools designed to improve patient outcomes and enhance the quality of care.

The project will address the obstacles encountered by patients who require prompt and accurate diagnosis and treatment of skin diseases. E-Sehat will contribute to enhancing patient outcomes and reducing the burden on medical clinics and hospitals by providing a platform that facilitates access to dermatologists and streamlines the consultation procedure.

Our application will be tailored to the requirements of medical clinics and institutions in the field of dermatology, with features that enable the prediction of skin diseases and the recommendation of effective treatments. The platform will provide a variety of valuable medical tools, making it an indispensable resource for healthcare professionals.

**Project Team**

The required resources for the E-Sehat project depends on the project's scope, degree of difficulty, and duration. Following will be required:

A **Project Manager** will be required to supervise the project and ensure that it is completed on time, within budget, and according to the required quality standards.

A **Software Developer** is needed to develop the application and ensure that it is functional, dependable, and scalable.

A **UX/UI Designer** will be required to design the application's user interface and ensure that it is user-friendly, aesthetically pleasing, and meets the requirements of the target audience.

A **Database Administrator** will be required to design and administer the database that will store patient and dermatologist information, medical records, and other application-related data.

A **Quality Assurance Engineer** will be required to test the application and ensure that it meets all required quality standards, such as usability, functionality, and performance.

A **Technical Writer** will be required to create application documentation, including user manuals, technical specifications, and other pertinent documentation.

In this structure, team members are selected and assigned to a project in accordance with their talents and experience. Team members may be reassigned to other initiatives or return to their functional departments once the project has been completed. This structure is most prevalent in smaller organizations where functional departments are unnecessary.

**Feasibility Analysis**

In the project planning phase, the feasibility analysis determines the practicability of the project. Here is an evaluation of the E-Sehat project's viability:

**Technical feasibility (8/10):** The project has a high level of technical feasibility as the technology necessary to develop the application and facilitate virtual conversations between patients and physicians is readily available. Nevertheless, there may be obstacles to assuring the security and confidentiality of patient data, which must be addressed.

**Economic feasibility (9/10):** The project has a high level of economic feasibility because it has the potential to reduce the cost of healthcare for patients, especially those in remote areas who may have to travel far to access healthcare. The anticipated cost of developing the application and establishing the virtual infrastructure is reasonable, and the project has the potential to generate substantial revenue.

The project has a moderate degree of **operational feasibility** as it necessitates close coordination between doctors and patients. However, because the application is intuitive and simple to use, it can be rapidly adopted by patients and physicians. To ensure that patients' needs are met, the initiative also requires a robust customer support system.

**Legal and regulatory feasibility (8/10):** The project has a high level of legal and regulatory feasibility given that the telemedicine industry is regulated in the majority of countries. However, it is essential to ensure compliance with local telemedicine and patient data privacy laws and regulations.

The project's **Critical Success Factors (CSF)** are:

* Communication between patients and physicians must be effective, as the endeavor hinges on virtual interaction between patients and physicians. The application should be designed to facilitate seamless communication and ensure that patients can convey their symptoms to physicians with ease.
* As the application requires the exchange of sensitive patient data, it is crucial to ensure data privacy and security. The initiative should adhere to data privacy regulations and encrypt and securely store patient data.
* The project's success is contingent on the availability of qualified physicians who can provide precise diagnoses and treatment recommendations. It is essential to ensure that the initiative can attract qualified physicians and provide them with incentives to participate.
* Adoption by users is crucial to the project's success, particularly among patients who may be hesitant to adopt a new technology. The project team should concentrate on promoting the application's benefits and ensuring that it is user-friendly and simple to operate.

Efforts made to resolve the CSF include:

* With features such as real-time chat and video calls, the application is intended to facilitate efficient communication between patients and physicians.
* The project team should implement comprehensive security measures, such as data encryption and secure storage, to ensure the privacy and security of patient data.
* The project team must work to recruit and incentivize qualified physicians to participate in the initiative. Additionally, the team will be developing a rigorous verification procedure to ensure that only qualified physicians can register for the platform.
* Additionally, the team will be developing a robust customer support system to resolve any user complaints or issues.

**Project Goal**

The goal of the E-Sehat initiative is to create a mobile and web application that connects patients with dermatologists to facilitate the diagnosis and treatment of skin diseases. The initiative will utilize machine learning and deep learning algorithms to provide accurate diagnoses and treatment suggestions to patients in remote areas with limited dermatologist access.

**Objectives of the Project:**

* To create an intuitive and user-friendly web and mobile application that facilitates patient communication with dermatologists.
* To incorporate machine learning and deep learning algorithms for accurate analysis and diagnosis of skin conditions.
* By providing virtual consultations, reduce the time and cost associated with traditional in-person dermatology appointments.
* To increase patient access to dermatologists in remote or rural areas.
* To enhance the diagnostic and therapeutic efficacy of dermatology.

**Project Advantages for the Organization:**

* By providing accurate diagnoses and treatment recommendations, patient outcomes are enhanced.
* Enhanced patient satisfaction by decreasing the time and expense associated with conventional in-person dermatology consultations.
* Increased efficiency and efficacy of dermatology diagnosis and treatment, resulting in improved patient outcomes and decreased expenses.
* Access to dermatologists is improved for patients residing in remote or rural areas, expanding the organization's reach and influence.
* Potential for the application's virtual consultation feature to enhance the organization's revenue.

**Project Deliverables**

**Deliverables:**

* An intuitive and user-friendly web and mobile application that facilitates patients' communication with dermatologists.
* A machine learning and deep learning algorithm that can accurately diagnose and analyses skin conditions.
* A virtual consultation feature that enables real-time dermatologist consultations with patients.
* A database for storing patient and dermatologist data, as well as skin condition information and treatment recommendations.
* A thorough user manual and training materials to ensure that patients and dermatologists can effectively use the application.

**Success Criteria:**

* The average rating for the web and mobile application on app stores must be at least four stars.
* The machine learning and deep learning algorithm must diagnose skin conditions with an accuracy rate of at least 90%.
* At least 95% availability is required for the virtual consultation feature, which must also facilitate seamless communication between patients and dermatologists.
* The web and mobile applications must be accessible from any internet-connected location.
* At least 99% accuracy is required for the database to retain and retrieve patient and dermatologist information, as well as skin condition data and treatment recommendations.
* The interface design for the application must be approved by the project's stakeholders and receive a minimum usability score of 80% from beta users.
* On test data, the machine learning models developed must be capable of diagnosing skin diseases with at least 90 percent accuracy.
* The integration with the payment gateway should be error-free and capable of effectively processing payments.
* The user manual should receive positive feedback and be capable of resolving any common issues users may encounter.
* The marketing plan should result in at least one thousand application installations within the first three months of its release.

**Project Scope**

The E-Sehat project's scope is the development of an application that connects patients with dermatologists for the diagnosis and treatment of skin diseases. The scope of the undertaking will be limited to the following:

* Creating the E-Sehat mobile application for the Android and iOS operating systems
* Integrating virtual call functionality for patient and dermatologist communication.
* Creating and training machine learning models for the diagnosis of cutaneous diseases.
* Using diverse preprocessing and feature extraction methodologies.
* Implementing a payment gateway for patient consultation fees.

The following elements are **included** in the E-Sehat project's scope:

* Creating a mobile application for diagnosing skin diseases.
* Introducing virtual contact capabilities.
* Developing machine learning models for the diagnosis of cutaneous diseases.
* Implementing pre-processing and feature extraction techniques.
* Creating a payment portal.

The following elements are **excluded** from the E-Sehat project's scope:

* Developing a website for cutaneous disease diagnosis.
* Creating a desktop application for diagnosing skin diseases.
* Developing a chatbot powered by artificial intelligence for diagnosis.
* Developing a physical diagnostic device for cutaneous disease.

**Phases of the Project:**

**Requirement Gathering:** This phase will involve defining the project's objectives, scope, deliverables, and timelines. This phase will involve accumulating requirements, conducting research, and analysing the project's feasibility.

**Design Phase:** During this phase, the user interface will be designed, the architecture will be developed, and prototypes will be created.

**Development Phase:** During this phase, the application will be coded, tested, and implemented.

**Phase of Deployment:** During this phase, the application will be deployed on the Android and iOS platforms and user acceptance testing will be conducted.

**Maintenance Phase:** During this phase, consumers will receive maintenance and support services, and any bugs or issues will be resolved.

**Success Criteria:**

The following are the success criteria for the E-Sehat project:

* Developing a mobile application with at least 90% accuracy in diagnosing skin diseases
* Maintaining the stability and dependability of virtual call functionality
* Implementing a secure payment gateway that efficiently processes transactions
* Obtaining an app store user contentment rating of at least 80%
* Completing the assignment within the specified budget and timeframe

**Software Process Model Applied to the Project:**

E-Sehat will be constructed using the agile software development process paradigm. This model is adaptable, iterative, and permits continuous feedback and enhancement throughout the entire development process. It also encourages collaboration and cooperation, which are essential to the project's success.

**Agile User Stories**

1. As a patient, I want to be able to create a profile on the E-Sehat app, so that I can easily access my health information and appointment history.
2. As a patient, I want to be able to upload pictures of my skin condition, so that the dermatologist can better diagnose my skin disease.
3. As a patient, I want to be able to book virtual appointments with dermatologists, so that I can receive medical advice from the comfort of my own home.
4. As a dermatologist, I want to be able to review the patient's medical history and skin condition pictures, so that I can better diagnose and treat the patient's skin disease.
5. As a dermatologist, I want to be able to prescribe medications and treatment plans to patients through the E-Sehat app, so that patients can easily access and follow my recommendations.
6. As an administrator, I want to be able to manage patient and dermatologist accounts, so that I can ensure the security and privacy of patient information.
7. As an administrator, I want to be able to generate reports on patient and dermatologist activity on the E-Sehat app, so that I can monitor the usage and effectiveness of the app.
8. As a patient, I want to be able to upload a photo of my skin condition to the app, so that a dermatologist can diagnose my condition remotely.
9. As a dermatologist, I want to be able to view a patient's medical history on the app, so that I can make an accurate diagnosis and recommend the best treatment.
10. As a patient, I want to receive push notifications when a dermatologist has reviewed my skin condition and provided a diagnosis, so that I can take prompt action.
11. As a dermatologist, I want to be able to prescribe medication to patients through the app, so that they can receive treatment without having to visit a physical clinic.
12. As a patient, I want to be able to view my previous skin condition diagnoses and treatment recommendations on the app, so that I can keep track of my health history.
13. As a dermatologist, I want to be able to share educational resources on skin health with patients through the app, so that they can learn how to prevent future skin conditions.
14. As a patient, I want to be able to rate the quality of the dermatologist's service after my consultation, so that other patients can benefit from my feedback.
15. As a patient, I want to be able to see the availability of dermatologists on the app, so that I can schedule an appointment at a convenient time.

**Assumptions, Constraints, and Dependencies**

**Assumptions:**

* The E-Sehat application requires that users have access to a stable internet connection.
* Users have a device capable of running the E-Sehat application.
* The skin disease detection algorithms based on machine learning are accurate and dependable.
* During virtual consultations, users will provide accurate and comprehensive information about their skin condition.
* The users have access to a stable internet connection to use the virtual calling feature.
* Users will be able to use the application on their mobile phones without any compatibility issues.

**Constraints:**

* Due to budget constraints and market demands, the project must be completed within a specified time frame.
* The availability of qualified personnel to work on the undertaking may be constrained.
* There may be a limit to the amount of money that can be invested in the endeavor due to financial constraints.
* There may be technical restrictions, such as compatibility issues with various devices.
* During the design and implementation of the application, privacy and security constraints must be observed.
* The project should be completed within the given timeline of 6 months.
* The project budget is limited to $100,000.
* The application should be able to handle a maximum of 1000 users at a time.

**Dependencies:**

* The project's success is contingent on users' access to dependable Internet connectivity.
* Vital to the success of the project are the availability and accessibility of dermatologists qualified to conduct virtual consultations.
* The success of the initiative depends on the precision and dependability of the machine learning algorithms used to detect skin diseases.
* Hospitals and clinics may be required to collaborate in order to gain access to patient data and information.
* The success of the project depends on the availability of trained dermatologists to provide consultations through the application.
* The project is dependent on the availability and stability of third-party APIs for virtual calling and payment processing.

**Stakeholders**

**Patients:** Patients are the primary project stakeholders for E-Sehat. They are responsible for utilizing the application and providing feedback for its enhancement. They are responsible for providing accurate information about their health conditions and for paying for the virtual consultation with physicians.

**Dermatologists:** They are responsible for offering clinical recommendations, diagnoses, and treatments to patients utilizing the E-Sehat application. They must ensure that they provide patients with accurate information.

**Project Manager:** PM is responsible for supervising the project and ensuring that it is completed on time, within budget, and in accordance with the project's objectives and goals. They are responsible for assuring the efficiency of the team's work, managing risks, and communicating with stakeholders.

**Development Team:** The development crew is responsible for the creation of the E-Sehat application. They must guarantee that the application is intuitive, secure, and scalable.

**QA Team:** The quality assurance team is responsible for ensuring that the E-Sehat application satisfies the quality requirements and standards specified by the project manager and stakeholders.

**IT Infrastructure Team:** The IT infrastructure team is accountable for establishing the requisite IT infrastructure to support the E-Sehat application.

**Signatory Authority:**

The project manager and stakeholders will be the E-Sehat project's authorized signatories. They will be responsible for approving project deliverables and ensuring that the project is completed on time, within budget, and in accordance with the project's objectives and goals.

**Expert**

**Name:** Syed Zain-ul-Hassan

**Domain:** Software Development and Management

**Job title:** Lecturer at FAST NUCES Karachi Campus

**Reason for choosing:** Syed Zain-ul-Hassan is an expert in the field of computer science, with a vast industry experience in teaching various subjects such as Object-Oriented Programming (OOP), Data Structures and Algorithms, Programming Fundamentals, and .NET. With a keen passion for sharing knowledge and a deep understanding of these core concepts, he has mentored and guided numerous students to excel in their programming skills. His expertise extends beyond theoretical concepts, as he has actively supervised and contributed to multiple real-world projects, enabling students to gain practical experience and apply their learning to solve complex problems. He's dedication and proficiency make him an invaluable asset in the realm of development.

**Past experiences and success:** With a remarkable 10 years of industrial experience, Zain-ul-Hassan has proven himself as a seasoned professional in the field of computer science. His journey is highlighted by a series of notable achievements, particularly in leading and overseeing multiple successful final year projects. Under his guidance, students have excelled in their endeavors, producing outstanding results and garnering recognition for their innovative solutions. His ability to provide effective mentorship, combined with his in-depth knowledge of the subject matter, has enabled students to tackle complex challenges with confidence and deliver impressive outcomes. His track record of project success stands as a testament to his expertise and dedication, making him a highly sought-after figure in the field.

**Role in the project:** In our upcoming project, Syed Zain-ul-Hassan will play a crucial role as the Supervisor and Guide. With his extensive experience and expertise, he will lead the team in conducting a thorough analysis of the project's feasibility, scope, and requirements. His keen eye for detail and analytical mindset will ensure that all aspects of the project are carefully examined and evaluated, laying the foundation for its successful execution. As the Supervisor, he will provide valuable insights and direction to the team, helping them navigate any challenges that may arise during the development process. Additionally, as the Guide, he will mentor and support team members, ensuring they have the necessary resources and knowledge to achieve their objectives. With John's guidance, our project is poised for success, as we harness his wealth of experience and expertise to deliver a high-quality and innovative solution.

**Work Breakdown Structure**

1. Project Planning
   1. Define project scope
   2. Define project objectives
   3. Identify project stakeholders
   4. Develop project charter
   5. Develop project plan
      1. Define project tasks
      2. Develop project schedule
      3. Develop project budget
      4. Identify project risks
      5. Conduct ongoing market research for the E-Sehat mobile application
      6. Analyze market research data for the E-Sehat mobile application
      7. Develop insights based on market research data for the E-Sehat mobile application
   6. Obtain project approval
2. Software Development
   1. Gather user requirements
   2. Design user interface
   3. Develop system architecture
   4. Develop database schema
   5. Develop system modules
      1. Develop user authentication module
      2. Develop patient registration module
      3. Develop doctor registration module
      4. Develop appointment scheduling module
      5. Develop virtual call module
      6. Develop payment module
      7. Develop an admin panel for managing patient and doctor accounts
      8. Develop a feedback and review module for patients to rate doctors
      9. Design and develop a skin disease image processing module
      10. Develop a module for generating analytics and insights on patient and doctor activities
      11. Develop a module for tracking system performance and uptime
      12. Develop a module for managing system updates and upgrades
      13. Develop a module for managing system errors and bugs
      14. Develop a module for managing system backups and disaster recovery
      15. Design and develop a feature extraction module for skin disease diagnosis
      16. Design and develop a machine learning module for skin disease diagnosis
      17. Develop the module for generating automated reports on skin disease diagnosis
      18. Develop a data backup and recovery module
      19. Develop a data security module for protecting patient and doctor information
      20. Develop a notification module for reminding patients about appointments
      21. Develop a patient profile management module
      22. Develop a doctor profile management module
      23. Develop a module for adding new skin diseases to the system
      24. Develop a module for updating existing skin diseases in the system
      25. Develop a module for deleting skin diseases from the system
      26. Develop a module for managing patient appointments
      27. Develop a module for managing doctor schedules
      28. Develop a module for tracking patient payments
      29. Develop a module for tracking doctor payments
      30. Develop a module for managing patient feedback and reviews
      31. Develop a module for managing doctor feedback and reviews
   6. Integrate system modules
   7. Perform system testing
      1. Develop test cases
      2. Conduct user acceptance testing of the patient registration and login module
      3. Conduct user acceptance testing of the doctor registration and login module
      4. Conduct user acceptance testing of the appointment booking module
      5. Conduct user acceptance testing of the virtual call module
      6. Conduct user acceptance testing of the payment gateway integration module
      7. Conduct user acceptance testing of the admin panel
      8. Conduct user acceptance testing of the feedback and review module
      9. Conduct user acceptance testing of the skin disease image processing module
      10. Conduct user acceptance testing of the feature extraction module
      11. Conduct user acceptance testing of the machine learning module
      12. Conduct user acceptance testing of the module for generating automated reports
      13. Conduct user acceptance testing of the data backup and recovery module
      14. Conduct user acceptance testing of the data security module
      15. Conduct user acceptance testing of the notification module
      16. Conduct user acceptance testing of the patient profile management module
      17. Conduct user acceptance testing of the doctor profile management module
      18. Conduct user acceptance testing of the module for adding new skin diseases
      19. Conduct user acceptance testing of the module for updating existing skin diseases
      20. Conduct user acceptance testing of the module for deleting skin diseases
      21. Conduct user acceptance testing of the module for managing patient appointments
      22. Conduct user acceptance testing of the module for managing doctor schedules
      23. Conduct user acceptance testing of the module for tracking patient payments
      24. Perform unit testing
      25. Perform integration testing
      26. Perform system testing
      27. Perform system maintenance
3. Marketing and Sales
   1. Develop marketing plan
   2. Develop sales strategy
   3. Develop pricing strategy
   4. Develop promotional materials
   5. Launch marketing campaign
   6. Launch sales campaign
   7. Monitor marketing and sales results
   8. Create referral materials for the E-Sehat mobile application
4. Project Management
   1. Develop project status reports
   2. Conduct project status meetings
   3. Manage project risks
   4. Manage project issues
   5. Manage project changes
   6. Manage project resources
   7. Manage project communication
   8. Manage project documentation
5. Training and Support
   1. Develop user manuals
   2. Develop system help files
   3. Develop training materials
   4. Conduct user training
   5. Provide user support
   6. Monitor user feedback
6. Legal and Regulatory
   1. Obtain necessary licenses and permits
   2. Comply with data privacy regulations
   3. Comply with telemedicine regulations
   4. Comply with healthcare regulations
   5. Comply with payment processing regulations
7. Quality Assurance
   1. Develop quality standards
   2. Develop quality control procedures
   3. Develop quality assurance procedures
   4. Perform quality audits
   5. Monitor quality metrics
   6. Improve quality processes
8. Infrastructure
   1. Develop system infrastructure plan
   2. Procure necessary hardware and software
   3. Install hardware and software
   4. Configure system hardware and software
   5. Perform system maintenance
   6. Monitor system performance
9. Documentation
   1. Develop project documentation plan
   2. Develop user documentation
   3. Develop technical documentation
   4. Develop system documentation
   5. Develop training documentation
   6. Store and maintain project documentation
10. Project Closeout
    1. Conduct project review
    2. Document project lessons learned
    3. Archive project documentation
    4. Release project resources
    5. Obtain project approval
11. After Project Release
    1. Launch the referral program for the E-Sehat mobile application
    2. Develop a customer loyalty program for the E-Sehat mobile application
    3. Create loyalty program materials for the E-Sehat mobile application
    4. Launch the customer loyalty program for the E-Sehat mobile application
    5. Conduct unit testing for the E-Sehat mobile application
    6. Conduct system testing for the E-Sehat mobile application
    7. Fix any issues found during system testing
    8. Conduct user acceptance testing for the E-Sehat mobile application
    9. Fix any issues found during user acceptance testing
    10. Create user manuals for the E-Sehat mobile application
    11. Create training materials for the E-Sehat mobile application
    12. Train support staff on how to assist users with the E-Sehat mobile application
    13. Conduct a final review of the E-Sehat mobile application
    14. Conduct a final walkthrough of the E-Sehat mobile application
    15. Release the E-Sehat mobile application to the public
    16. Announce the release of the E-Sehat mobile application on social media
    17. Conduct a launch event for the E-Sehat mobile application
    18. Provide ongoing technical support for the E-Sehat mobile application
    19. Conduct regular maintenance on the E-Sehat mobile application
    20. Collect user feedback on the E-Sehat mobile application
    21. Analyze user feedback on the E-Sehat mobile application
    22. Make improvements to the E-Sehat mobile application based on user feedback
    23. Develop a marketing plan for the E-Sehat mobile application
    24. Create marketing materials for the E-Sehat mobile application
    25. Launch a marketing campaign for the E-Sehat mobile application
    26. Develop partnerships with dermatology clinics and hospitals
    27. Meet with potential partners to discuss collaboration opportunities
    28. Negotiate terms of collaboration agreements with partners
    29. Draft collaboration agreements with partners
    30. Finalize collaboration agreements with partners
    31. Train partners on how to use the E-Sehat mobile application
    32. Conduct regular check-ins with partners to ensure successful collaboration
    33. Create a system for tracking user data for the E-Sehat mobile application
    34. Analyze user data for the E-Sehat mobile application
    35. Develop insights based on user data for the E-Sehat mobile application
    36. Make improvements to the E-Sehat mobile application based on user data insights
    37. Create a system for tracking financial data for the E-Sehat mobile application
    38. Analyze financial data for the E-Sehat mobile application
    39. Develop insights based on financial data for the E-Sehat mobile application
    40. Make improvements to the E-Sehat mobile application based on financial data insights
    41. Make improvements to the E-Sehat mobile application based on market research insights
    42. Develop new features for the E-Sehat mobile application
    43. Prioritize new feature development based on user feedback and market research
    44. Create a development plan for new features of the E-Sehat mobile application
    45. Execute development plan for new features of the E-Sehat mobile application

**Risk Management**

**Data Quality Risk:** The project significantly depends on the input data's quality. Inaccurate or incomplete data could contribute to inaccurate disease diagnosis. Before incorporating the data into the model, we will implement a data validation procedure that verifies the data's veracity and completeness in order to mitigate this risk.

**Model’s Accuracy Risk:** There is a possibility that the model will not perform as anticipated, resulting in inaccurate diagnoses. To mitigate this risk, we will test and validate the model using a variety of real-world scenarios to assure its accuracy.

**Incompatible Technology**: There is a possibility that the technology stack used in the endeavor will not be compatible with the end-users' operating systems or hardware. In order to mitigate this risk, we will conduct exhaustive testing on a variety of operating systems and hardware to ensure the software's seamless operation.

**Time Risk:** There is a chance that unanticipated circumstances will cause the project schedule to be delayed. To mitigate this risk, we will incorporate buffer time into the project schedule and monitor progress on a regular basis to identify potential delays.

**Privacy Breach Risk:** The project involves the collection and storage of confidential medical information, making it susceptible to cyber-attacks and data breaches. To mitigate this risk, robust security protocols, including data encryption, access control, and regular security audits, will be implemented.

All of these risks have the potential to affect the project's success, so it is crucial to identify and manage them proactively throughout the project's lifecycle.

**Agile User Stories**

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