**Part 2 - Project Scope Management**

**Team members:**

* Rakesh Geddam
* Rhys Williams
* Sai Kumar Kunti

1A)

|  |  |
| --- | --- |
| **1. Project Title** | **HealthCare App Development Project** |
| **2. Project Manager** | **Eric** |
| **3. Project Objectives** | * **Develop a healthcare app that meets user needs and provides significant value.** * **Create a Minimum Viable Product (MVP) within six weeks for realworld use and review.** * **Ensure the MVP is ready to ship after three sprint cycles (six weeks).** * **Achieve a finished application available for use in four months.** |
| **4. Project Team** | * **Eric (Project Manager and ScrumMaster)** * **Lia (Programmer)** * **Brianna (Marketing Representative)** * **Jack (Regulatory Manager)** * **Kendra (Quality Assurance Manager)** |
| **5. Stakeholders** | * **Third Avenue Management** * **Users of the HealthCare App** * **Development Team** * **Marketing Team** * **Regulatory Team** * **Quality Assurance Team** |
| **6. Project Scope** | * **Minimum Viable Product (MVP): Develop a streamlined version of the healthcare app within six weeks, ready for realworld use and review.** * **Sprint Cycles: Conduct sprint cycles every two weeks, with the MVP ready for shipping after three sprint cycles.** * **Features: Prioritize features based on user stories and technical stories, focusing on delivering value and usability.** * **Budget: The overall budget for the project is $350,000. The budget for completing the MVP is $120,000.** |
| **7. Key Deliverables** | **MVP of the HealthCare App Sprint Cycles with Iterative Updates Completed Application Ready for Use in Four Months** |
| **8. Timeline** | **MVP Deadline: Six weeks from project initiation Sprint Cycles: Every two weeks Finished Application Deadline: Four months from project initiation** |
| **9. Budget** | **Overall Project Budget: $350,000 MVP Budget: $120,000** |
| **10. Assumptions and Constraints** | **Team members will actively participate in sprint planning, review, and retrospectives. Stakeholders will provide timely feedback. Agile and Scrum methodologies will be followed. The project timeline is contingent on external factors (regulatory approvals, etc.).** |
| **11. Risks** | **Changes in regulatory requirements may impact on the project timeline. Technical challenges in app development may arise.** |
| **12. Approval** | **Eric Project Manager October 1st, 2023** |

2A)

1. **User Stories:**

**Fitness Tracker:**

As a user, I want to record my blood pressure and cholesterol information in the app so that I can track my health over time.

**Medication Tracker:**

* As a user, I want an electronic pillbox feature with a calendar and alarm notifications to help me manage and remember my medication schedule.

**Electronic Address Book:**

* As a user, I want to record contact data of doctors and other healthcare professionals in an electronic address book for easy access.

**Emergencies List:**

* As a user, I want a feature to store vital phone numbers and addresses for quick access during emergencies, triggering GPS mapping for healthcare venue locations.

**Emergency Information List:**

* As a user, I want to store important data about myself in case it's needed in an emergency for quick reference.

**Resources Feature:**

* As a user, I want a resources feature that provides links to popular online health sites, such as WebMD, for additional health information.

**Payment Feature:**

* As a user, I want a payment feature to track health expenses and make related payments through my phone for convenient financial management.

1. **Technical Stories:**

**Fitness Tracker:**

* Implement a data storage system for recording and retrieving blood pressure and cholesterol information.

**Medication Tracker:**

* Develop an electronic pillbox with a calendar and alarm notification system for medication management.

**Electronic Address Book:**

* Create a secure database for storing and managing contact data of doctors and healthcare professionals.

**Emergencies List:**

* Integrate interactive GPS mapping software to help locate hospitals and healthcare venues based on the stored emergency contact information.

**Emergency Information List:**

* Implement a secure storage system for users to input and update important emergency information.

**Resources Feature:**

* Develop resources feature that provides links to popular online health sites, with a user-friendly interface.

**Payment Feature:**

* Integrate a secure payment system for tracking health expenses and facilitating payments through the app.

1. **Usability Issues:**

**Usability Testing:**

* Conduct usability testing for each feature to identify and address any issues related to user experience.

**User Feedback Loop:**

* Establish a feedback loop to continuously gather user feedback for improving the overall usability of the app.

3A.

To collect requirements for the project, The Third Avenue team should conduct Stakeholder interviews and utilize the prototyping method. In tandem, these methodologies will emphasize collaboration and adaptability, aligning well with agile principles. Between the development team and others with a vested interest in the project, stakeholder interviews will foster direct and dynamic communication. This will allow the team to efficiently form user needs and expectations while creating a collaborative environment.

Using the prototyping methodology, the Third Avenue team will be able to provide a hands-on representation of the product, enabling active engagement and visualization of proposed features. It is also an interactive process that ensures constructive feedback quickly, reducing the risk of misunderstandings or inefficiencies and promoting a highly adaptive and collaborative development cycle. Together, stakeholder interviews and prototyping increase synergy among stakeholders to create an efficient requirement-gathering process that is closely aligned with the core fundamentals of agile teams like Scrum.

4A)

Hypothetically, The programmers can come up with ideas like the below for the healthcare app:

**Doctors in Your Pocket:** This would be like an electronic phone book for all your healthcare providers, including doctors, nurses, and therapists.

**911 on Speed Dial:** This would be a special list for quick access to emergency contacts like hospitals, urgent care, and even trusted friends who can help in a crisis.

Combining the Features:

* Easier for the User: user has one place to look for all your important healthcare info.
* Simpler app: Less stuff to learn and navigate, especially for older folks.
* Faster to build: Saves time and money to get the app out there sooner.
* Natural connections: Some emergency contacts might also be your doctors, so it makes sense to keep them together.
* More flexible: We can add new things or change them later without affecting everything else.
* Targeted features: Attracts different users by catering to specific needs.
* Not too overwhelming: A giant list might be confusing for some people, especially older users.
* Ultimately, the best choice depends on a few things:

Besides those two ideas, other things in the MVP can be:

* Basic Information: Basic details like user’s name, birthday, and allergies.
* Pill reminder: Simple tool to help user remember to take your meds on time.
* Emergency details: Basic medical conditions and contact details in Emergency.
* Helpful links: A few trusted websites for health information.

By carefully choosing what to include and focusing on what users need, we can make a great MVP that sets the stage for an awesome healthcare app.