Project plan



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# 1. Project definition

## 1.1 Project background

In countries with very high healthcare needs, there's a big issue: the healthcare system falls short. Even though groups like Doctors Without Borders and the Red Cross work really hard to provide life-saving medical help, they face a big problem. They have to deal with a ton of paperwork every day, which is a lot of work.

This paperwork makes things even harder because it can be confusing, and important medical records might even get lost. This adds extra stress to their already limited resources.

Our main goal is to reduce the use of paper for keeping records. This will make it much better for patients in need and save a lot of time and resources. To do this, we're creating a flexible and easily usable system that can be accessed on any machine that is able to access the internet.

We also strive to assist medical professionals by tackling the issue of too much paperwork. We plan to do this by using modern technology. Our goal is to provide them with the tools and support they need to deliver faster, more effective, and potentially life-saving care to those who need it the most. Through this project, we want to make healthcare more accessible in the world's most vulnerable areas.

## 1.2 Project goal

Key Deliverables:

**Secure Cloud Storage Solution:** Build a robust cloud storage infrastructure using Amazon Web Services (AWS) to ensure the secure storage of patient data with end-to-end encryption, both in transit and at rest.

**VPN Connectivity:** Provide a reliable VPN connection that establishes secure tunnels for data transmission, guaranteeing the confidentiality of patient records, even in regions with unreliable internet connectivity.

**Real-time Data Access:** Develop a user-friendly web interface that grants healthcare professionals real-time access to medical records, enabling seamless updates and information retrieval from any internet-enabled device.

**Enhanced Data Security:** Implement advanced security measures to minimize the risk of data breaches, prioritizing patient privacy and ensuring compliance with regulatory standards such as GDPR.

**Scalability:** Design the solution to accommodate the growing needs of healthcare organizations, ensuring high availability, and adaptability in diverse global environments.

**Mobility and Cross-Border Data Access:** Enable healthcare professionals to access patient data seamlessly, even while on the move, ensuring data access continuity across international borders.

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# 2. Project Organization

| **Name** | **Role/tasks** | **Availability** |
| --- | --- | --- |
| Khaled Ali  Timucin Bulucu  Andrew Fleetwood Bird  Daniel Gomes Sales  Gleb popov | Agile team  Scrum Master  Agile team  Product Owner  Client/Stakeholder/Tutor | Thursdays and Fridays  Thursdays and Fridays  Thursdays and Fridays  Thursdays and Fridays  Thursdays and Fridays |

## 2.2 Role/tasks

In order to work as efficiently as possible, we rotate our roles bi-weekly. The schedule is as follows

