**Intro**

Hi, we are the lambda++ team and we're here to propose our system for the Melorane game reserve.

A little bit of background. I'm sure you know how important conservation efforts are in this day and age. The conservation of rhinos and elephants specifically may be more important than you think, as they have a huge impact on the environment around them.

Enter ERP. "Elephants Rhinos and People" is the non-profit arm of EPI-USE, a company operating under GroupElephant.com. They are seeking to preserve nature and uplift underprivileged communities. That's what the Melorane reserve is all about.

Not only do they look after elephants and rhinos, but they undertake many initiatives to support the local communities, with efforts to educate them and provide sustainable revenue sources, supporting local businesses, all working in harmony with nature.

It's clear this is important work that's being done, and they really want the reserve to succeed, so they can eventually repeat the success elsewhere and start making a real difference.

So, what's the problem, and how can we help?

**Problem Statement**

The Melorane Game Reserve currently only employs one administrator, making it difficult for them to manage farm activities in a timely and effective manner. There is no formal system in place to track operations and assign activities and projects to ERP employees. Secondly, there is no current system to track the various employees' skill sets and their availability. As a result, when picking an employee for a certain task or activity, they may not be the best fit for the task at hand. Furthermore, there are no formal means to track the stock needed for specific tasks or to examine what is in the storeroom before requesting a purchase. This has resulted in tasks being delayed due to not enough stock being on hand.

**Current Systems in Place**

The Melorane Game Reserve has been operating with a relatively primitive set of systems for quite some time. While the reserve has been successful in its efforts to protect the wildlife and preserve the natural habitat, the current processes for task allocation and tracking, administrative decision-making, and data collection are all manual, relying on Microsoft Excel spreadsheets and Word documents. This makes it a tedious and time-consuming process to manage resources, stock, and equipment effectively.

Meanwhile, communication on which tasks must be done, what equipment is being used, whether tasks have been completed successfully etc. are all done via WhatsApp on an ad-hoc basis.

**Problem Solution**

We seek to develop a system that will enable the management of work activities and supplies. This will consist of an administrative site to create and monitor activities and stock, as well as a mobile application to allow employees to keep track of the activities they do and changes to the stock.

This should make it much easier for the administrator to manage the completed, in progress, and upcoming farm activities and keep track of what is going on. It will empower them to make decisions based on up-to-date information and the monitored performance of employees.

It should also eliminate issues with stock shortages or wasted time due to miscommunication and disorganisation.

We feel that our more specialized and modern approach will have a large positive effect on the farms workflow.