# PROJECT VISION

## DESCRIPTION:

The number of pharmacists in developing countries is very low compared to the number of patients who needs their services. According to the National Pharmacy Council, Rwanda has only 923 registered pharmacists, it means that it is only 1 pharmacist per 12.000 people.

To bridge this gap, less knowledgeable personnel (ex. nurses, medics…) take up roles of pharmacists and prescribe drugs. This can be very dangerous as these people are not qualified to perform those duties, they can easily make medical errors. Additionally, pharmacy personnel mostly rely on their memory or some habits while administrating medicaments such as *this type of drug is taken only by water* or *this type can't be taken by a pregnant woman* and so on. We are proposing to develop a mobile application that can be used by pharmacies' workers (qualified pharmacists and everyone else who work as a pharmacist) to help them to minimize medical errors and bad prescribing habits.

## PURPOSE:

- To create a mobile application that can help pharmacies' workers to accurately prescribe the right dosage of drugs, in the right way and at the right time
- Minimize time taken by pharmacies in the process of serving patients which will allow them to serve many people.
- Improve patients' condition by helping them to take prescribed drugs efficiently and effectively

## OBJECTIVES:

- To develop an android application that provides scientific-based important information about a drug (Side effects, allergies, risks, age of use…)
- To develop an android app that can remind patients when and how to take administrated drugs and other important information.
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## SCOPE:

For this project, we will only focus on developing an android app that will be used by pharmacies' workers only. We won't build our database instead we will use existing databases that can be publicly available.

## TARGET USER:

For this project, our targeted users are mainly pharmacies in Africa. We will start by testing our app in Rwanda and later scale in other parts of Africa.

**KEY BENEFITS:**

Pharmacists:

- Minimize medical error
- Saving time

Patients:

- Save time and money
- Get optimal advice

Governments:

- Improve citizens' lives
- Save money
- Increase economy as many people will be healthy

Us:

- Possibility of making money
- Learning Opportunity
- Getting a good grade and possibly partnerships from the industry.

**COMPETITION:**

Currently, there is no competition we know. There exist other systems that help pharmacies in their management (mostly stock management) but for us, the focus is not on the pharmacies but pharmacists.

**DIFFERENTIATION:**

We believe that this application will be unique in the Rwandan market. Our main difference with other applications that are being used in this sector in Rwanda is that most of them are web-based applications. For us, we will develop a mobile app and we are confident that with the rate of smart penetration in Rwanda, adopting this application will be an easy process if it is well designed.

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