ERP-COIN: Team Turing

USER MANUAL

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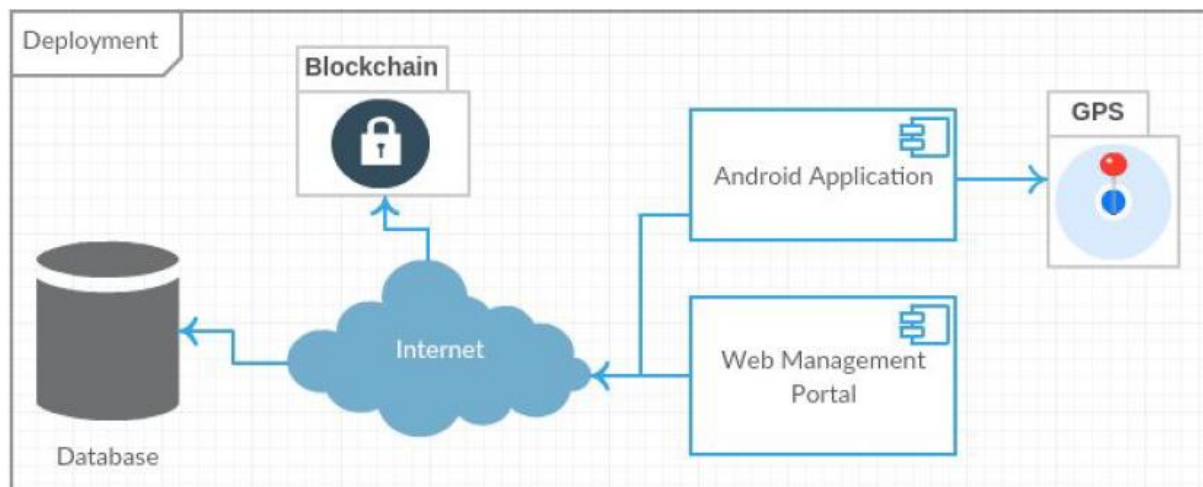
Project Description

One of the current initiatives is surveillance at Rietvlei Nature Reserve in Pretoria. Any volunteer can go to the area, sign in, get vehicle surveillance identification and patrol the area. This is to create a presence in the area and report any suspect behaviour concerning the safety of the Rhinos in the Rietvlei Nature Reserve.

This project should provide volunteers with a mobile app that will record the area they have monitored, suggest routes of areas that haven't been monitored recently, allow them to log notes and pictures of any suspicious behaviour and send alerts. But we want a way to 'reward' the volunteers by means of a blockchain token.

Here is a deployment picture

It Illustrates that the project will contain an Android app and a management web portal. The application will consist of route management, patrol tracking and Token management. Data, like tracking logs and user details, will be stored in a database. Certain external services will be used such as Google maps API.

Use Cases

Web Portal Management Log In

To log in to your account go to the website.

You will see the Web Management Portal Login (Fig 1.1)

Figure 1.1 Web Portal login Screen

Enter your Username and Password.

Tap Login

If your credentials are incorrect you will receive an error message.

Web Management Portal View User Conservation Areas and Leaderboard

To view Conservation Areas and Leaderboards, after you have logged in (Fig 1.1) you will see the portal page (Fig 1.2)

Figure 1.2 (Portal Page)

Here conservation areas are listed as well as the user leaderboard in descending order of coins earned.

Mobile Application User Login

To login to your account, first launch the application
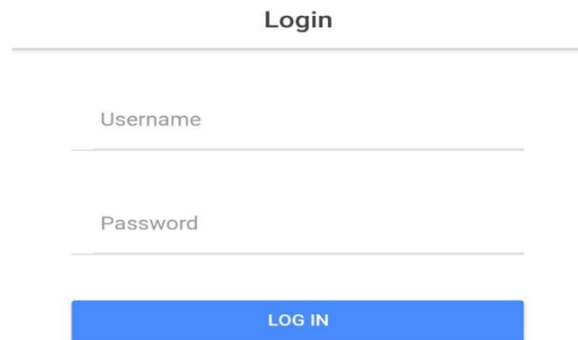

Figure 1.1 Launch Screen

Figure 1.2 Login Screen

You will see the Launch Screen (Fig 1.1)

Tap Log In.

Enter your Username and password and tap Log In. If your details are correct then you are logged in!

Mobile Application Create User

To create an user account, at the Launch Screen (Fig 1.1) tap Register.

Registration

Username

Name   Surname

Password   Confim password

Cellphone Number

Vehicle Model

Vehicle Registration

REGISTER

Figure(1.3) Registration Screen

Fill in all the fields and tap Register. If what've entered in Password and Confirm Password do not match, you will receive an error message and will not be registered.

Mobile Application User View Account

To view your account, login to your account (Fig1.2). You will then be transferred to the My Account Screen (Fig1.4).

My Account

Username

ERP-Coin Balance:
122ERP

User Profile Image
Here

View List of Conservation Areas

Send ERP

Receive ERP

Manage Account

View Leaderboard

Help and Support

Logout

Figure 1.4 My Account Screen

Here you can view your ERP-Coin Balance. Here you manage your wallet, like send and receive ERP coins.