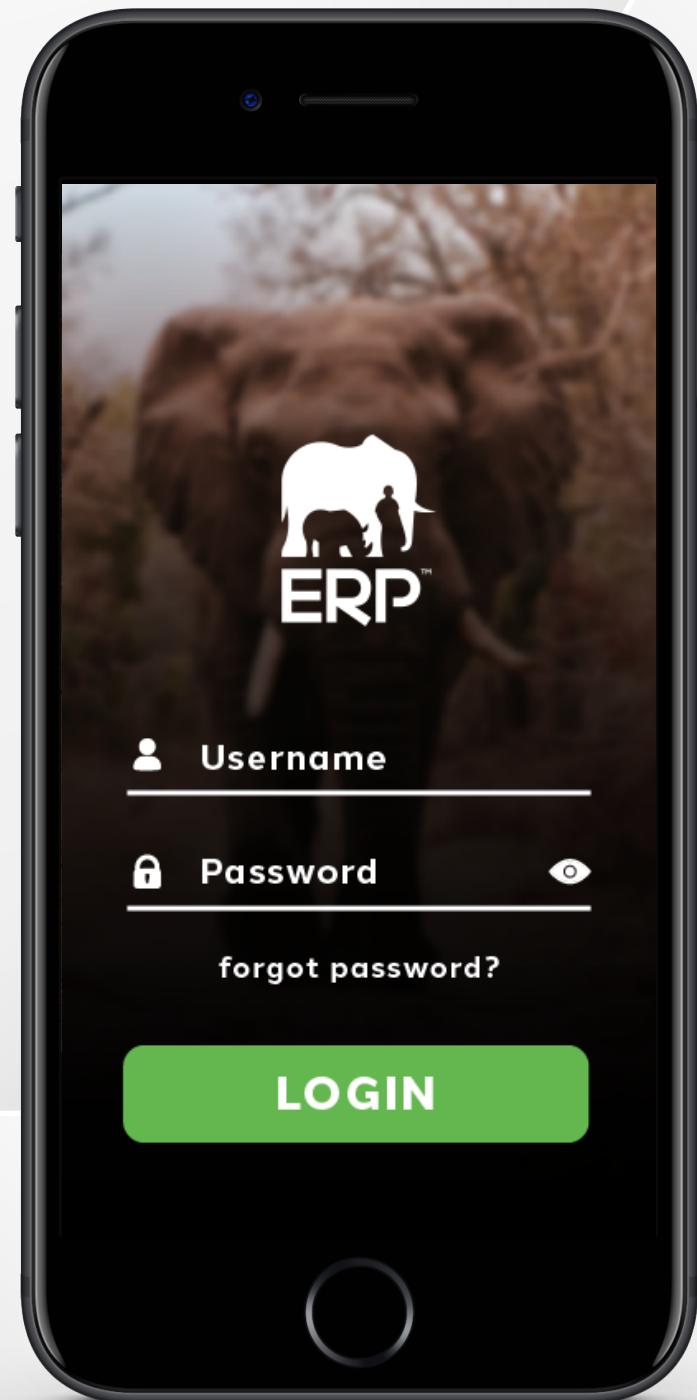


Login View

The login view is kept simple and minimalistic.

The user can either enter in their login details and press the login button to proceed, or request a new password from the administrator by clicking on the “Forgot password?” link.



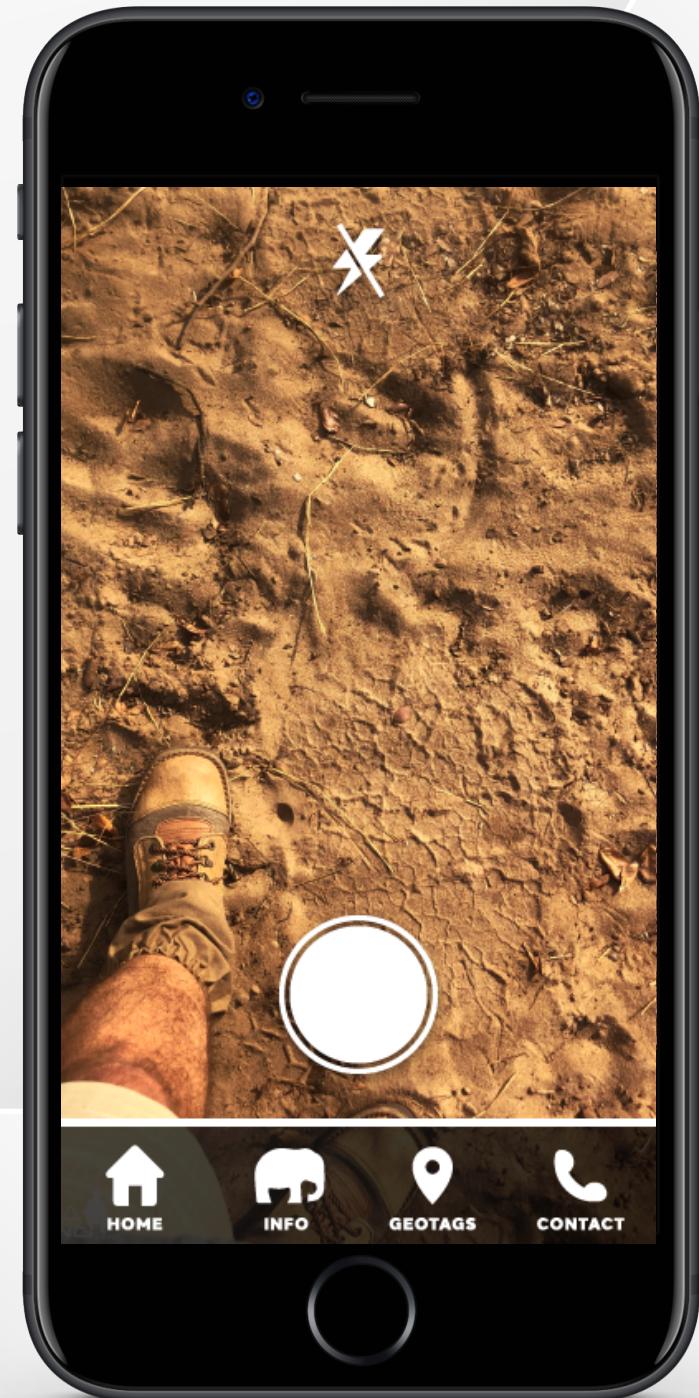
Capture Image State 1 View

Upon logging into the application, the user is immediately brought to the Capture Image View whereby they can quickly capture a track they have found.

In the case whereby this isn't of urgency, the user can use the bottom bar at the bottom to navigate to:

- 1) The homepage
- 2) The animal info page whereby the user can access characteristic information about a desired animal
- 3) Geotags page to see recent geotags
- 4) Contact a ranger

Pressing the circular camera button will take a picture and invoke the AI to locate and display any captured tracks.



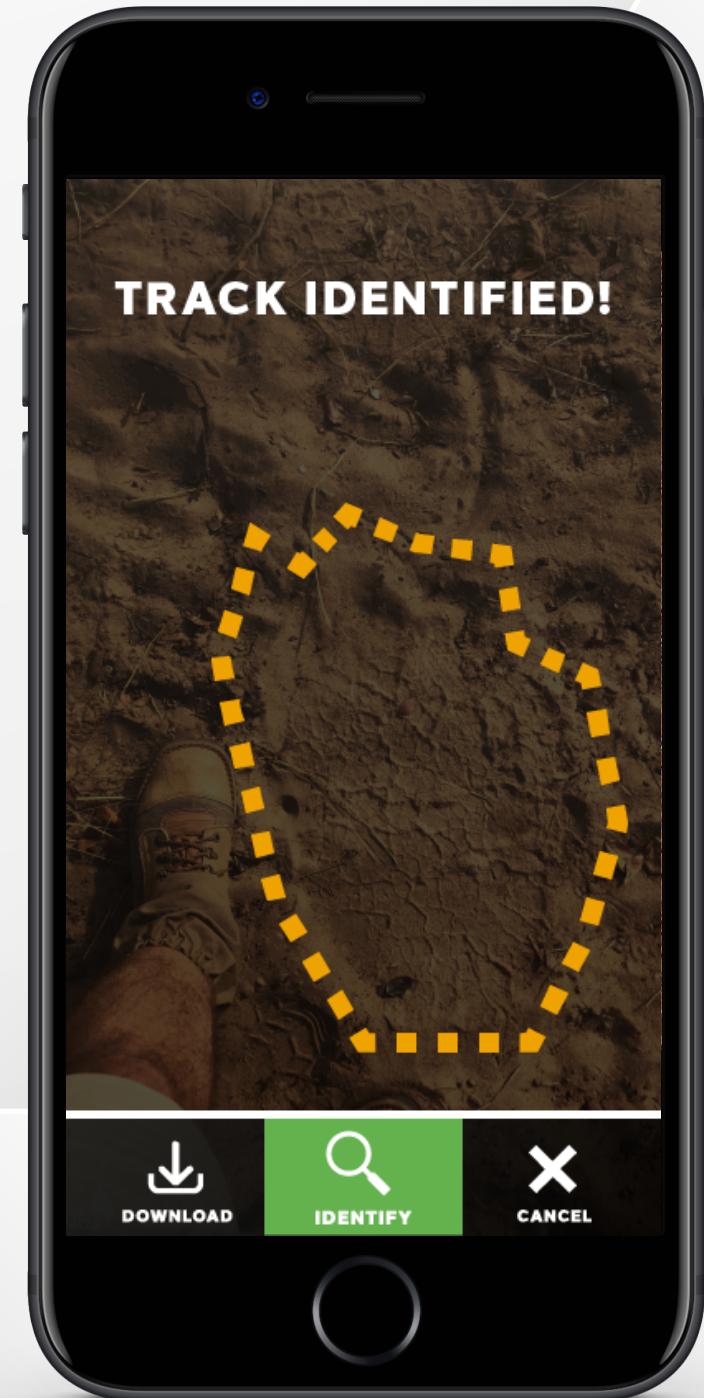
Capture Image State 2 View

The second state of the Capture Image View displays whether the AI has managed to locate any tracks in the captured image.

If a track is located, a yellow marking indicates its location with confirmation text above to confirm it's capture.
If no track is located, the confirmation text above will display a message to the user to try again.

For located tracks, the user has 3 options:

- 1) Download the captured image.
- 2) Identify which animal the track belongs to.
- 3) Cancel and capture another image instead.



Capture Image Result View

The Capture Image Result View lists the animals which have the highest likelihood of belonging to the previously located track.

Animals are listed in order of percentage similarity/likelihood, with the user being able to view characteristic information about a particular animal by pressing onto the respective card.

The bottom button bar allows the user to capture another image, return to the home page or to create/manage geotags. The user can also quickly contact other users in emergency situations.



Web Application Dashboard

The screenshot shows the 'ANIMALS' section of the dashboard. At the top, there's a filter bar with 'Animal: ELEPHANT' and 'Species: AFRICAN BUSH'. Below the filter bar, there are two main sections: 'Description' and 'Behaviours'. The 'Description' section contains text about the African bush elephant and its tusk characteristics. The 'Behaviours' section contains text about family units. To the right of these sections are 'Photos' (with three images) and 'Submitted Geotags' (with a table of three entries). On the left sidebar, there are links for Overview, Animals (which is selected), Rangers, Geotags, and Settings.

Submitted by	Location	Date & Time	Tracked Animal
Priscilla Berlein ERP Ranger	Kruger National Park -24.019097, 31.559270	09/10/2020 14:30	Neluvu ELEPHANT
Kagiso Ndlovu ERP Ranger	Kololo Game Reserve -24.019097, 31.559270	09/10/2020 14:30	Samantha ELEPHANT
Charles de Clarke ERP Ranger	Madike Game Reserve -24.019097, 31.559270	09/10/2020 14:30	Nombeko ELEPHANT

The Web Application dashboard interface allows for quick access and management of animal information, ranger and users information as well as geotags and heatmaps.

For the Animal Info section, via the filter bar the administrator will be able to select and filter animal information based on the animal as well as species, with room for further classification available. The Actions button allows the administrator to either add a new animal or edit/delete existing animal information. Characteristic information of a selected animal such as behaviour is displayed below the filter bar in organised separate “cards”.