**Software Requirements Specification (SRS)**

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**1. Introduction**

The Animal Rescue App is a mobile application designed to help people report animals in need of rescue or assistance. It aims to connect users who find injured or stranded animals with organizations and authorities that can help them.

**2. Purpose**

The purpose of the app is to provide a simple and quick way for anyone to report animals in distress. The app aims to reduce the time it takes for animals to receive help and increase the chances of successful rescue operations.

**3. Scope**

The app will allow users to take pictures of animals in need and submit them along with the animal's location. The app will then send this information to relevant organizations and authorities for action. It will also provide updates on the status of reported cases.

**4. Definitions**

App: Short for application, which means a program or software used on a mobile device.

GPS: Global Positioning System, a technology that shows your location on a map.

User: A person who uses the app to report animals in need.

**5. Overview**

The app will have a simple interface with buttons to take pictures, add location information, and send reports. Users will receive notifications about the status of their reported cases and can track the progress of rescue operations.

**6. Functional Requirements**

**6.1. User Registration**

Users can create an account using their email or social media accounts.

Accounts need to be verified to ensure they are genuine**.**

**6.2. Reporting Animals**

Users can take pictures of injured or stranded animals.

Users can add the animal's location and a brief description of its condition.

**6.3. Sending Reports**

Users can send reports to relevant organizations and authorities.

Reports can be sent through email, in-app messaging, or other contact options provided.

**6.4. Viewing Reported Cases**

Users can see a list of reported cases, including the animal's image, location, and description.

Users can filter the list to see cases by status, such as pending or resolved.

**6.5. Receiving Updates**

Users will receive updates on the status of their reported cases.

Users can view the history of their reported cases and any updates that have been provided.

**7. Non-Functional Requirements**

**7.1. Performance**

The app should respond quickly when taking and sending pictures.

The app should be able to handle a large number of users simultaneously.

**7.2. Security**

User data should be protected and encrypted to prevent unauthorized access.

**7.3. Usability**

The app should have a user-friendly interface that is easy to navigate.

New users should receive guidance on how to use the app effectively.

**8. Interface Requirements**

8.1. **User Interface**

The app should have a clean and intuitive design.

Important features should be easily accessible to users.

8.2. **Device Compatibility**

The app should work on a variety of devices, including smartphones and tablets.

The app should be compatible with different screen sizes and orientations.

**9. Data Requirements**

The app should store user accounts, reported cases, and updates securely.

The app should use GPS to determine the location of reported animals**.**

**10. Constraints**

The app should comply with local laws and regulations regarding animal welfare and data privacy.

The app will require an internet connection to send reports and receive updates.

**11. Assumptions**

Users have smartphones or tablets with internet access.

Users are familiar with using apps on their devices.

Organizations and authorities will respond promptly to reports made through the app.

The Animal Rescue App is designed to be a user-friendly and efficient tool for reporting animals in need of rescue or assistance. By providing a simple way for users to report animals in distress, the app aims to improve the response time and effectiveness of rescue operations, ultimately enhancing the welfare of animals in need.

**DFD(data flow diagram)**

USER LOGIN PHOTO/SEND

Registration

ANIMAL DATA

USER DATA

DATA RETRIVAL

RESCUE

A diagram of a data flow

Description automatically generated