To: Professor Robert Pastel and Professor Stefka Hristova

From: Team Dead Birds

Subject: System Overview

Date: January 31, 2016

Purpose

The purpose of this memo is to describe the System Overview of our application. Our application is broken down into three main parts, the data entry which is done on the main app page itself, the database which will sit on the back end somewhere and store all gathered data, and the data view which will allow scientists who are interested in this information to examine it.

Data Entry

Our app has a data entry portion, which is comprised of the main app web page itself. This will be the part of our app that is seen and used by end users. This will include the part of the app which takes pictures of dead birds/roadkill, collects GPS data, weather data, speculative cause of death, and speculative species of dead animal. This part of the app will also interface with the database and send all the information that the user enters into to the database.

Database

The database part of our app is the part that will store all of the information gathered from the data entry part of our application and facilitate its connection to the data view part of our application.

Data View

The data view is the part of our application that will be used by scientists. It will provide various ways to view the gathered data, including the ability to directly display the pictures that have been collected, as well as display GPS information conveniently in the form of heatmaps. It will also allow scientists to access all other gathered data in the hopes of extrapolating something useful from it.