Public class UserInfo {

private String email, name, phoneNumber;

private final Date timeStamp;

private final Location location;

*/\*\**

*\* Constructor for the user’s information with all the tributes initialised*

*\* @param n name of the user*

*\* @param e email of the user*

*\* @param pm phone number of the user*

*\*/*

public UserInfo( String n, String e, String pn);

*/\*\**

*\* The following getters and setters methods will be used to set variables to the*

*\* users inputs for the fields. The getters methods will then be called when sending*

*\* off the recording session to be used as a label for it*

*\*/*

public void setName(String userName);

public String getName();

public void setEmail(String userEmail);

public String getEmail();

public void setPhoneNumber(String userEmail);

public String getPhoneNumber();

*/\*\**

*\* This method will take a parameter for wether or not the phone has a GPS signal*

*\* and then depending on the answer will get the users location either by their input \* or through the GPS*

*\*/*

public void GPSConnection(boolean GPSon);

*/\*\**

*\* This method will return a string containing all of the variables set in this class \*aswell as the location of the user. It will then be called from class sending to the \* database to add the information to the records.*

*\*/*

public String toString();

}

This class will be used primarily for the app page that asks for the user’s information. When the user inputs them the setter’s methods will set the corresponding variable to the user input which can then be accessed through the getter methods from other classes.

public class addRecord {

private String species, daforScale, typicalLocation, additionalInfo;

*/\*\**

*\* The constructor for this class*

*\*/*

public addRecord(String s, String ds, String tl, String ai);

*/\*\**

*\* Getter and setter methods for all the variables the user gives from the*

*\* add record page on the app*

*\*/*

public void setSpecies(String speciesName);

public void getSpecies();

public void setdaforScale(String speciesName);

public void getDaforScale();

public void setTypicalLocation(String speciesName);

public void getTypicalLocation();

public void setAdditionalInfo(String speciesName);

public void getAdditionlInfo();

*/\*\**

*\* Get the desired photo of the species and add it to the record*

*\*/*

public void getSpeciesPhoto(File pic);

*/\*\**

*\* Get desired photo of location and add it to the record*

*\*/*

public void getLocationPhoto(File pic);

*/\*\**

*\*This method will return a string containing all of the variables in this class to be*

*\* used when sending the record off to the database.*

*\*/*

public String toString();

}

This class will primarily be used for the app page where the user inputs their record for a species. It will use other classes to get the pictures needed.

public class submitRecord {

*/\*\**

*\* This method sends the completed record to the database*

*\* The record will be sent as a Json*

*\*/*

public void sendtoDatabase(ArrayList record);

*/\*\**

*\* This method will try and connect to the database and if it gets a response will*

*\* return true and will start the sending method*

*\*/*

public boolean connectToDatabase();

}

This class will be used to communicate with the server and to send to the database the records. The method “connectToDatabase()” may be better served as a void instead but for now I left it as a Boolean.

public class GetLocation implements LocationListener {

*//GPS status*

public boolean isGPSEnabled = false;

*//network status*

public boolean isNetworkEnabled = false;

*//final check for GPS*

public boolean canGetLocation = false;

*//Attempts to get the users location*

public Location getLocation();

*//Stop using the GPS*

public void stopUsingGPS();

*//function to get latitude*

public double getLatitude();

*//function to get longitude*

public double longitude

public boolean canGetLocation();

}

This class will use the phone GPS to return the coordinates of the user so that they don’t have to input it themselves.

public class GetPhoto extends Activity {

private String selectedImagePath;

*//Choose the picture from the gallery*

public void onCreate(Bundle savedInstanceState);

*//gets the path for the image*

public void onActivityResult(int requestCode, int resultCode, Intent data);

*//helps retrieve the path of the image URI*

public String getPath(Uri uri);

}

This class will be used to access the gallery so that the users can select a picture for the record.

public class TakePhoto extends Activity {

private String selectedImagePath;

*//Called when activity started, takes pictures and stores them*

public void onCreate(Bundle savedInstanceState);

*//gets the path for the image*

public void onActivityResult(int requestCode, int resultCode, Intent data);

}

This is the class that will be used to get a picture straight from the camera and not one that can already be found in the gallery.