

NEEDS ASSESSMENT FOR BIOMAP MOBILE APPLICATION

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1 PROBLEM SPECIFICATION

1.1 Background

The Animal Demography Unit (ADU) is an online database of fauna and flora sightings from around the world. It is comprised of records sent in by various individuals from around the world. Each record notes the date, location, classification of the species of the subject of any particular entry. It also includes one or more pictures of the subject and the name of the individual who submitted the record. Each record undergoes a verification process to determine its validity before it is added to the database.

1.2 The problem

The problem outlined by the client is that the system for recording new entries is slow and outdated. The current process for creating a new record is done manually on a web based system with the individual having to capture everything themselves. This includes location, pictures (which often have to be transferred from camera to a PC and then uploaded), personal details, date and species. This is a very time consuming process and also presents the possibility of incorrect data capture. From this, a clear need for an automated and modern solution can be identified.

2 EXISTING SYSTEM

Assuming the individual has a registered account on ADU, the steps for adding a new record are as follows:

1. Log in to the website
2. Click "Data upload" link
3. Fill in all fields, namely: Additional observers, date (will default to current date), and location (exact latitude and longitude can be determined using Google Map widget)
4. Save the record and continue to next page

On the second page, the user can enter up to three records at once on any of the various projects. For each record the user must:

1. Select the project for which they wish the record to be entered in
2. Enter the collection date (will default to current date)
3. Upload up to three pictures (Most likely copied from a camera enabled device)
4. Upload a sound file (for use on FrogMAP only)
5. Identify the species
6. Enter any additional notes
7. Enter nest count and type (for use on PHOWN only)

3 NEEDS OF THE CLIENT

(I think you took better notes than I did in this section, basically we just need to list everything he asked for in the lecture)

4 ASSESSMENT OF NEEDS