1. **How to manage the drop beer detection system app from user point of view?**

*Public users don’t need to sign up or join anything, just download the app and receive notifications. Website users need to provide their email address for notifications to be sent to. Researchers need to submit a request for raw data via a webform on the website. This will be approved by Dr Client on a case-by-case basis for now.*

1. **In case of development of system high ended processing unit’s ROM, RAM, CPU are required or the normal simplified ones which will be able to detect where the drop beers are present?**

*We aren’t developing the machine learning. We only need the database and the deployment of the machine learning model. James recommends using a mid-tier AWS GPU instance for running the Tensorflow framework, in which we can deploy the Predictive Model (supplied by the Client) to provide the advanced processing required by the model.*

1. **What information is the DB Protection Society looking to acquire?  
   would you also like additional data stored to what was mentioned e.g. movement frequency, DB nest, etc?**

*Dropbear Protection Society is interested in:  
Ecological survey data (time and date of image taken, the image itself, GPS location of the trap that took the image, classification (positive/negative sighting), confidence level of the sighting (as a %)).  
State and Federal Government are interested in the alert functionality.*

1. **Is training to be provided, if so what are the specific requirements of the training, is it train the trainer or all users?**

*Only train Dr Client (main user) as he will show other users how to use website/app. No additional training required for now.*

1. **What is the schedule for delivery and key milestones?**

*1 year for delivery, Milestones every 3 months, where we show progress on all features being developed. Last 3 months is a field trial with real camera traps in place.*

1. **You said that you wanted to collect image data of drop bears. Are these the images themselves, or data relating to the images? For example, time of day that the photo was taken, location of camera trap, how many drop bears in the image, etc.**

Note: Only included this one because this is the only time I heard James mention he wants to the image location stored.

*Both, we want the images and data from the images.   
We need the time/date, location (GPS), location of the image on the server (i.e. file path), classification (positive/negative sighting), and confidence interval.*

1. **What is the total amount of funding available in the budget for developing this system?**

*$300,000 for the development of the system. This does not include the hosting of the system on AWS. This cost will be covered by the client’s grant funding. Within the first 3 months, we need to provide the client with a ball-park figure for the monthly costs of hosting our proposed system on AWS.*

1. **Please clarify how the cameras transmit information. What is send via SMS and what is sent via email?**

*Only via EMAIL. No SMS required.  
Email is using SMTP to send data.   
Email will contain the 3 images as attachments.  
The idea being that each camera will have its own email address that it sends to, so we know which trap the images have come from as the email itself will not provide any ID information. The unique email addresses is all we have to go off in terms of trap ID it seems.*

1. **Is the client responsible for scaling it (the Machine Learning Model) out if required?**

*We need to ensure that we have given adequate resources to the running of the model on AWS. (James adds, a low to mid tier GPU instance should suffice, but goes on to add that we would need to specify in our report that testing would need to be conducted through the development process to ensure that adequate resources have been allocated.*

1. **What vision do you have for the website? Is it simply alerting users of identified locations, or will there be additional requirements? News, Blogs, About etc.**

*Functional prototype.  
A page for the general public where they can input a postcode and get a total number of sightings for their area. They do not need to see the exact locations of the traps, or any specific details. A sign up by email for the public, where they will receive notifications of any new sightings.   
For researchers, there needs to be a web form that allows researcher users to request data. Dr Client will be responsible for granting permission on a case-by-case basis. When a particular researcher has been given access, they will be able to see the following information on the website: time/date the image was taken, the image itself, the GPS location of the trap that took the image, the classification output and the confidence level.*

1. **Does the client want any user registration or signup (for the App)?**

*Client does not need to register for the app, only download the app, and enter their postcode for which they’d like to receive sighting notifications for.*

1. **How do you want the stakeholders to access their information? Will it be something that you will manage manually, or something automated through the website?**

*We will not speak with Stakeholders. Dr Client only.   
Dr Client is also responsible for demo-ing the system to the other Stakeholders.*

1. **Does client wish to manage infrastructure used during the development, post deployment of website and app? Or do they require everything on Cloud?**

*Everything is to be on the Cloud. It is up to us how this will work on the Cloud. As said before, the database and the hosting of the system needs to run on AWS. The rest, including the website hosting is 100% up to us.  
As for pricing, the Client has 3 years of funding to pay of the Cloud hosting, so we need to provide them with an estimate of how much that would cost per month (this information needs to be provided within the first 3 months of the project).*