**Manu – Release**

*Since Beta*

Since *Manu*’s beta release, we have worked on debugging and polishing our app. Here is a list of the main things we worked on.

* Rejigged the sound quiz to make it look and behave nicer.
* Added names to the encyclopedia images (so you can see the bird’s name without having to tap on it).
* Fixed the player quiz stats functionality.
* Added a comprehensive credits scroll.
* Polished other small aspects.
* Squashed bugs picked up during user testing and informal testing. Please see “Reports/Assignment 4, Feedback Writeup.docx” for details.
* Acted on user feedback to change various things.
* Ensured everything was well documented.

*Additional*

We changed many of the photos to ones which give us the rights to use them commercially. This involved collecting and displaying the licences and credits on our credits screen. This means we have the right to publish our app and its contents.

We updated our player statistics storage mechanism to use the built-in preferences class. This is automatically encrypted and, since it is better maintained, it is likely be more secure. It is also less likely to throw issues compared to reading and writing to files manually.

To prepare *Manu* for the Google Play Store, we have written “App Store Page/Google Play Store - App Page Information.docx” which is the content which would appear in the store page for our app. We went over an app’s page on the store to find what we would need to provide. This means we just have to apply to the app store!

*Future*

We wish to publish *Manu* to the Google Play Store and the Apple App Store. Please see “App Store Page/Google Play Store - App Page Information.docx” for our draft store page. We have not been able to submit our app because the licences we had during beta were not adequate, but we have since rectified this.

The first thing we would work on are the scaling issues we have on very small devices or phones with a huge font size. This messes up our layouts. We would create dynamic layouts that react to different system font sizes, aspect ratios, and resolutions so it is as compatible with as many devices as possible. This would be easier on Apple devices since there is a small, limited selection of screen sizes.

We would also like to update our player stats page so they can compare their average scores with that of the globe using Google Play’s leader-board API.

With respect to publication, we would contact the Zoology department at the University of Otago, and the Department of Conservation regarding interest and publicised endorsements.