## **MABS weekly reports**

*Gelmis Bartulis  
B00080902*

These reports have been designed to keep track of the progress, problems any possible bugs or additional features that could be added. The plan according to, which this project has been based can be seen below with the full dates. Within each week, the progress is marked and displayed within these reports, any additional notes / extra curriculum can be then added by the assigned supervisor.

## **Week 1 (June 6th – 10th)**

Meeting up and signing the contract fully.   
Designing the application’s body and configuring the plan.  
 Outer layer – what the application should look like (UI & UX aspects)  
 Inner layer – how should this application function and what should be based upon.

## **Week 2 (June 11th – 17th)**

Research and problem acknowledgement.  
 Looking at IBM Cloud, Google and Amazon services.  
 Finding the pricing of each of the possible candidates.  
 Comparing response rates and data provision.

Building the base model of the application.

## **Week 3 (June 18th – 24th)**

Initialising IBM Cloud’s Speech to text services  
 Managing compatibility issues  
 Low level API’s become incompatible  
 Restructured the project – added adjustments for lower API’s and extra functionality  
 to meet the standards.   
Speech services still not initialised – functionality issues.  
Firebase services added   
 Firebase storage for sound files (audio recordings for offline purposes)  
 Firebase database for user’s items and their analysis  
 Firebase login system (for security purposes)

The applications UI has been altered so it would be possible to add the item with it’s price manually,  
later this will be done using a hands – free system.

## **Week 4 (June 25th – 1st)**

Speech services have been researched and acknowledged.

## **Week 6 (July 1th – 29th)**

Free Speech services initialised  
 Android free services have been initialised and hands-free mode has been setup  
Real-time database has been setup and initialised  
 All users have been tested and analysed according to the given plan  
 Database error occurrences and fixes  
UI has been altered

## Week 9 (June 30th – 5th)

## Week 10 (August 6th – 12th)