

## **Minutes For The Project**

Minutes Doc - 15/09/2014 (10am – 11:30am) – Industrial Team Project

### **Members In Attendance:**

- Kari McMahan
- Ewan Mount
- Robert Mason
- Mark Goddard
- Zhihua Liu

### **Summary of meeting:**

At this meeting we did introductions. Discussed the software development approach we want to use either Agile or waterfall. We decided on Agile/Iterative approach and we also decided to develop for Android as none of us have Mac's or experience with the iphone development so it seemed the best option to develop for Android for such a short period of time. We also felt it was best for Android phone as it is probably the cheapest option for the company to buy phones to be used for the app.

We arranged research tasks for the next day to 2 days and our ideas/requirements for the app to discuss with client.

Kari McMahan was allocated team leader and going to the visit the James Hutton Institute on Wednesday.

Robert and Liu have agreed to go to the presentation workshop in week 3.

### **Tasks:**

- Ewan looking into how expert system would work.
- Robert and Mark looking into images stored in an app in Android.
- Liu looking into videos stored and played in an app in Android
- Kari is writing the ethics form, writing up cue cards and sorting groups such as facebook, git, trello, minutes and excel for project organisation.

### **Next Meeting:**

Monday – 3pm – Managerial Meeting with John

## Minutes Doc - 15/09/2014 (3pm – 3:20pm) – Industrial Team Project

### **Members In Attendance:**

- Kari McMahon
- Ewan Mount
- Robert Mason
- Mark Goddard
- Zhihua Liu

### **Summary of meeting:**

Initial managerial meeting with John Arnott to discuss our progress so far, queries and introduce ourselves. We talked him through what we arranged in the previous meeting ( see minutes for brief description )

### **Tasks:**

N/A

### **Next Meeting:**

Tuesday – 12pm – Team meeting

## Minutes Doc - 16/09/2014 (12pm – 12:30pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon
- Ewan Mount
- Robert Mason
- Mark Goddard
- Zhihua Liu

### Summary of meeting:

At this meeting we discussed the research from yesterday to help us better understand the tasks that need to be done in relation to this application. We created questions as well as outlined the requirements we need to discuss with client as in what we can promise and what may be additions for Kari's meeting with the client on Wednesday when she visits the James Hutton Institute. We looked over the sketches people had made to narrow down the possible design of the application.

### What has been done:

- Kari set up trello, facebook, git and excel for project organisation as well as writing minutes. She started the ethics form with demographic questionnaire, consent forms and information sheets.
- Ewan researched into expert systems and how they are used in Android.
- Robert researched tabbed applications.
- Liu discussed video options for Android

### Tasks:

- Ewan is continuing looking into how expert system would work.
- Robert is looking into custom list views in Android
- Mark is looking into SQLite in Android
- Liu is looking into Android activities.
- Kari is writing the ethics form, minutes and looking into image slideshows in Android

### Next Meeting:

Wednesday – 1pm

## Minutes Doc - 17/09/2014 (1pm – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon
- Ewan Mount
- Robert Mason
- Mark Goddard
- Zhihua Liu

### Summary of meeting:

At this meeting we discussed what the information Kari had retrieved from her trip to James Hutton Institute. We arranged our sprint backlog based on the information from the meeting and the requirements we decided would be best to achieve first.

Kari emailed Lesley to confirm we had understood the requirements correctly and explained to her the Agile/iterative approach we are taking. We wanted to tell her we are aiming to have her two top requirements done by the end of the project as well as hopefully achieving more requirements iteratively if there is time. We wanted to make communicate this with the client so they understood this and we weren't overpromising what we could do during the time.

We then worked on our assigned tasks for the rest of the time of the meeting.

### What has been done:

- Kari has nearly finished ethics form with some minor changes, started writing up team risk assessment and developed a basic image slideshow
- Ewan started work on a mock expert system.
- Robert completed an example custom list view
- Liu completed an Android page layout
- Mark set up the database structure and project on git.

### Tasks:

- Ewan is continuing on a mock expert system
- Robert is developing custom list view into project code.
- Mark is looking/developing best way to insert data into SQLite for Android.
- Liu is learning about Git.
- Kari is merging Liu's further info page and her basic image slideshow to complete further info page

### Next Meeting:

Thursday – 9am

## Minutes Doc - 18/09/2014 (9am – ?) – Industrial Team Project

\*\* Note question marks as Kari writes up minutes and wasn't at full meeting. Needs minutes from another team member

### Members In Attendance:

- Kari McMahon – 9am till 11am then had to leave
- Ewan Mount - ?
- Robert Mason – 10 am
- Mark Goddard – 10am
- Zhihua Liu – 10am

### Summary of meeting:

At this meeting Kari reported back to the team what was said at the managerial meeting with John where he gave the marking scheme and report layout out. She also submitted the ethics form to be reviewed by the lecturer. At the meeting we also discussed what point we were at with our tasks.

### What has been done:

- Kari finished the ethics form, image full size pop up from image dialog and merging slideshow with the further info page.
- Ewan finished work on the mock expert system.

### Tasks:

- Ewan is moving java expert system ?
- Robert is finishing of custom list view ?
- Mark is looking/developing best way to insert data into SQLite for Android ?
- Liu is researching use of Android in Malawi and working on a video in Android app example ?
- Kari is working on circle icons and pinch zoom on the image slideshow. As well as finishing the risk assessment

### Next Meeting:

Friday – 9am

## Minutes Doc - 22/09/2014 (9am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon
- Ewan Mount
- Robert Mason
- Mark Goddard
- Zhihua Liu

### Summary of meeting:

At this meeting Kari and Robert showed the progress they had made over the weekend on solving the tab issue and Mark showed us the progress he had made on the database code. During the meeting Kari started writing database code to fill the glossary pages and further info page once it was set up as well as moving the compressed images into the app. Over the weekend Kari organised the text data and compressed images/videos sent to her from John ready for the app. The video page is now almost complete now we have the compressed images. Mark finished setting up the database and started filling it with the data we have received. Ewan is still working on the expert system and had some issues with java bugs during the meeting. Robert is worked on a search functionality for the glossary data. The team also attended the meeting with John where we updated him on our progress.

### What has been done:

- Robert made progress on solving tab issue.
- Mark completed database built from sqlite file in assets folder and started to fill out the data for the database.
- Kari made progress on solving tab issue and compressed images/videos as well as organising text data as well as starting report.
- Ewan is continuing the expert system.

### Tasks:

- Ewan is continuing java expert system to android
- Robert is working on the search feature
- Kari is making some changes to the video ui features
- Mark is working on filling out the database.

### Next Meeting:

Tuesday – 12pm

## Minutes Doc - 23/09/2014 (11am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon – Full time
- Ewan Mount – Full time
- Robert Mason – 12pm – 1:30pm
- Mark Goddard – Full time
- Zhihua Liu – 12pm – 1pm

### Summary of meeting:

At this meeting Mark told the team about the database improvement he had made overnight as he had filled out the database with the relevant information and was now using Kari's model code to try and make the connections from the database to the pages in the app. He continued this task through today's meeting. Kari told the team about the small changes she had made to the video side of the application and during the meeting continued with making mainly layout changes in the application but struggled with a scroll view and video view which is still causing issues and needs to be solved. Liu pair programmed with Robert to learn about what everyone was doing and Ewan continued moving expert system code into android which is pretty much working with the mock data and now needs the real data to be moved.

### What has been done:

- Mark completed filling out database data and then started connecting the database to the mock pages.
- Kari made progress on some style changes particularly in the video fragment and documentation changes.
- Ewan is continuing to make progress with the expert system.

### Tasks:

- Ewan is continuing working on the java expert system into android
- Robert is working on the search feature
- Kari is working on documentation and possibly testing/refactoring
- Mark is working on image issues in database / further info page

### Next Meeting:

Wednesday – 9am

## Minutes Doc - 24/09/2014 (11am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon – Full time
- Ewan Mount – 1:30 – 5pm
- Robert Mason – 11am – 5pm
- Mark Goddard – Full time
- Zhihua Liu – 11am – 12pm

### Summary of meeting:

At this meeting we mainly focussed on minor fixes getting done in preparation for the presentation to the client in the afternoon. We struggled with getting all the images to run on the phone like they would on the emulators, so the majority of the day was working on code to compress the images and then editing any relevant code. The meeting with the client well, we gained good feedback with some minor changes to be made and for the sprint we met the majority of targets with one or two additions to made to sprint 1 tasks. Requirement 1 and 2 were completed with one minor addition still to be added into requirement 1 and requirement 3 has not been completed so is being moved into sprint 2. Other tasks to be done before sprint is complete is the sprint review.

### What has been done:

- **Requirement 1 - searchable glossary - Complete ( Search still to be implemented into code )**
- **Requirement 2 – videos - Complete**
- **Requirement 3 – Expert System – Half way complete**

### Tasks:

- Kari is working on documentation and pinch zoom
- Team researching the updating the app possibilities and trying to think of the best solution in terms of time and if we had time to implement in the next sprint

### Next Meeting:

Thursday – 9am



## Minutes Doc - 25/09/2014 (9am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon
- Mark Goddard

### Summary of meeting:

At this meeting we focussed on making changes to the application based on the feedback from the meeting. Mark started work on getting the database to use blobs instead of drawable names so it would be easier for database to sync with an online database if we manage to build a website where users can update the application. We then started building the mock website and trying to get php sqlite queries to work which caused some technical issues during the day. In the morning Kari reported progress to Professor Arnott. We did not hear from the other members of the team why they did not attend yesterday's meeting. We also emailed professor Torrance about arranging a user testing session next Wednesday.

### What has been done:

- Pinch zoom on images has now been complete but needs tested on phone
- Changes made to the application based on feedback such as listview changed to gridview.
- Mock website and php queries.

### Tasks:

- Kari is working on php queries and changing db for blobs.
- Mark is working on mock website.
- Ewan should be working on expert system but we are not sure and Robert should be finishing the search bar.

### Next Meeting:

Friday – 9 am

## Minutes Doc - 26/09/2014 (9am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon – Full time
- Mark Goddard – Full time
- Ewan Mount – 4pm – 5pm
- Zhihua Liu – 4pm – 5pm

### Summary of meeting:

At this meeting Kari and Mark continued work on the website and online sqlite database. We are using php queries to query the database which neither Kari nor Mark have experience with so this caused some technical issues during the day. Professor Torrance got back to Kari about user testing and said a user would be available next Wednesday at the Hutton Institute to do testing. It has been arranged that Robert and Liu will go. Robert did not come to the meeting today due to feeling unwell but said he would continue work on search bar and post his progress up that evening. Ewan is organising data on the expert system and has not made much progress since our last meeting, he is hoping to work on it more over the weekend. The team also met with Professor Arnott today where we discussed progress.

### What has been done:

- Kari has finished most of the php queries to the online database
- Mark finished the webpages.

### Tasks:

- Mark is working on blobs in the android app, syncing and testing over the weekend.
- Kari is working on finishing the queries, integrating search when available and various documentation
- Ewan is working on system
- Robert is working on search.

### Next Meeting:

Monday – 8:30am to prepare before client meeting

## Minutes Doc - 29/09/2014 (9am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon – Full time
- Mark Goddard – Full time
- Ewan Mount – Full time
- Zhihua Liu – Client meeting + managerial meeting.

### Summary of meeting:

At the start of the day we had a meeting with the client who seemed to like what we had shown and did not ask for any changes apart from a note on the searching and the gridview linking to the further information. During the day Ewan is still working on the expert system and over the weekend Kari implemented a basic search bar to show the client on Monday so Robert was now placing his search code into and working on the client from the feedback. Today we had a few technical hiccups with blobs in the database causing the application to occasionally crash and Mark was fixing an issue with the change from drawables to blobs in the application. Robert attended the presentation workshop and Kari had to make some changes to web page and php pages based on signing the user in.

### What has been done:

- Kari updated documentation and webpages. Kari is now looking into syncing
- Mark finished the blobs in the app and started looking at syncing

### Tasks:

- Mark is working on syncing
- Kari is working on syncing and documentation.
- Ewan is working on system
- Robert is working on search.

### Next Meeting:

Tuesday – 9am

## Minutes Doc - 30/09/2014 (9am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon – Full time
- Mark Goddard – Full time
- Robert Mason – Full time
- Zhihua Liu – Client meeting + managerial meeting.

### Summary of meeting:

Today Kari and Mark worked on syncing they managed to get update information to work apart from images which the team are considering they don't have time for as it will take a lot of development time to implement updating images from the website to the app which we need to focus on documentation and user testing. Robert finished the search and started refactoring current code and Ewan was not in but sent a message to the team when enquiring where he was that he would work from home on the expert system

### What has been done:

- Syncing for update complete by Mark and Kari
- Search complete by robert

### Tasks:

- Mark is working changing sqlite query for timestamps
- Kari is working on inserting for updating the application
- Ewan is working on expert system
- Robert is preparing for the user testing tomorrow and continuing refactoring source code.

### Next Meeting:

Wednesday– 9am

## Minutes Doc - 01/10/2014 (9am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon – Full time
- Mark Goddard – Full time
- Robert Mason – Full time
- Zhihua Liu – Time spent at James Hutton Institute
- Ewan mount – 3pm – 5:30pm

### Summary of meeting:

Today was mainly testing everything is working correctly on the app. Ewan implemented his expert system so we had to do testing with that and Kari got insert from website with images working so that also need tested. The majority of the day was dealing with minor bugs. We were still getting out of memory errors on the app occasionally so had to implement garbage collection in aspects of the app for bitmaps. Liu and Robert went to the James Hutton Institute and did user testing with two users. Kari also did user testing with two users.

### What has been done:

- Sqlite query for timestamps works and so does inserting into the application.
- Expert system finished.
- Some refactoring done

### Tasks:

- Kari finishing draft of report.
- Ewan, Mark + Robert user testing and contributing to report.

### Next Meeting:

Thursday– 9am

## Minutes Doc - 01/10/2014 (9am – 5pm) – Industrial Team Project

### Members In Attendance:

- Kari McMahon – Full time
- Mark Goddard – Full time
- Robert Mason – Full time
- Zhihua Liu – Not present.
- Ewan mount – 1pm – 5pm

### Summary of meeting:

Today was spent on finalising the documentation for the project. Robert, Mark, and Kari created the user guide video. Kari then spent the rest of the day editing and putting together the video whilst contributing to the report. Robert continued refactoring the code and also added to the report. Mark put together the user testing results and calculated a Sus score and also put together some more of the appendix.

### What has been done:

- The report has been completed. We just need to read over it and make sure we have covered everything.
- Some more refactoring has been completed.
- Organising the appendix.

### Tasks:

- Bind the report.
- Practice Presentation.
- Make sure the presentation works in the Wolfson.

### Next Meeting:

Friday – 9am.