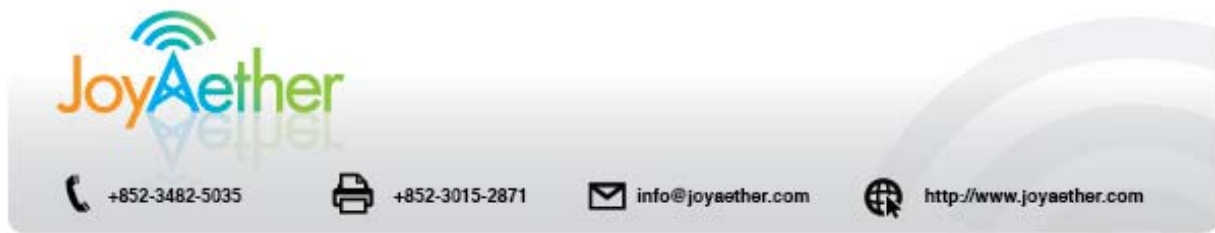


OSGD – BLE BBQ Thermometer Mobile Applications Proposal

Project Proposal

Version: 1.0

Prepared Leo Lau



Friday, January 10,
2014

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Title:	OSGD – BLE BBQ Thermometer Mobile Applications Proposal		
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MODIFICATION HISTORY

Date	Version	Revised by	Description of Changes
2014-01-07	1.0	Leo Lau	<ul style="list-style-type: none"> Init Drop
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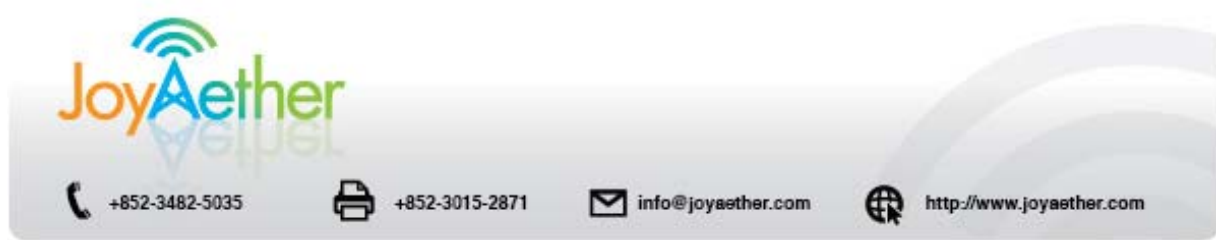
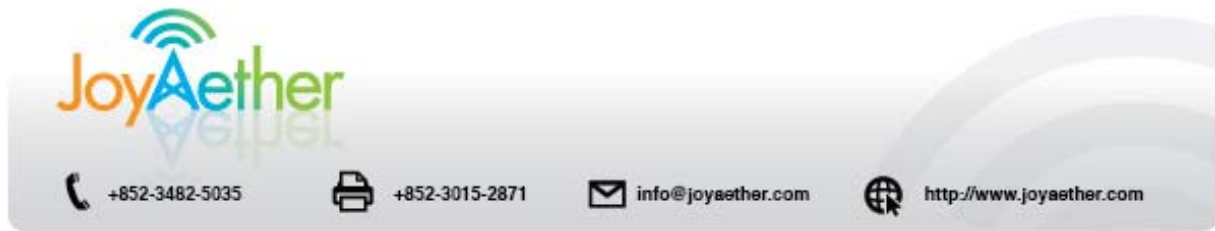


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Project Description

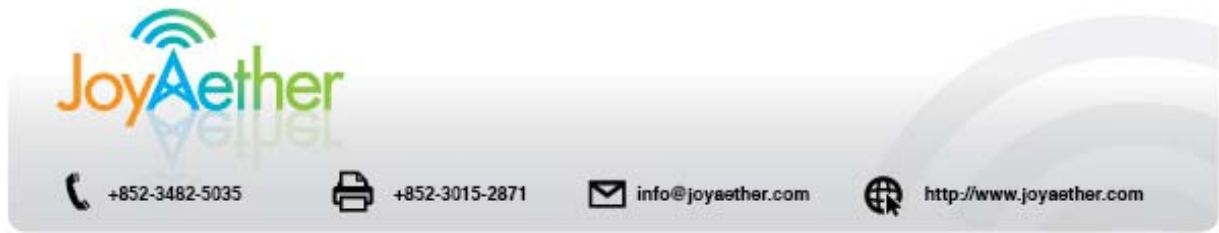
In this project, JA is responsible to develop two mobile applications, one on iPhone and another one on Android Phone. These two applications are companion software for an BLE BBQ Thermometer hardware, code named, AW132. In addition, JA will also be responsible for designing the User Interface of both of the mobile applications, with design inputs from OSGD.

The following are the key features of the application:

1. Client-only application, no server side integration
2. Pair & control with main unit
3. Handle with 2 probe in the same time
4. Provide current temperature (time cycle : around 6sec)
5. Three operation for user
 - 甲、Meat type mode
 - 乙、Target temperature mode
 - 丙、Timer mode
6. One times history for user
7. Overlay photo shooting for user
8. Social communality sharing
9. Recipe database
10. Icon replace language

Mobile OS requirements:

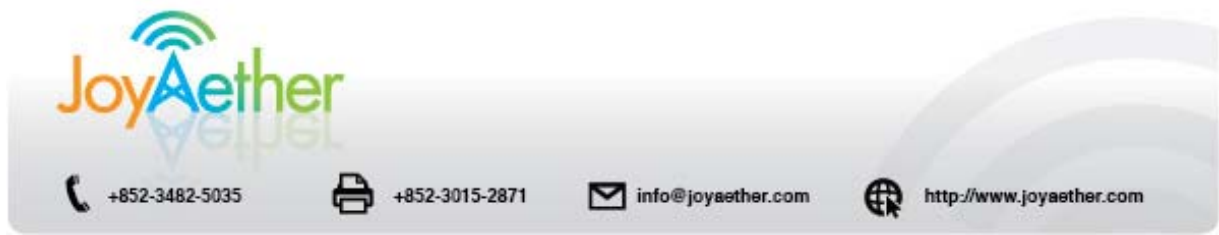
- Minimum Display resolution requirement: suitable for iphone 5/5S(4s)
- Normal display: 1) Smart phone 2) Tablet
- Screen orientation: Portrait
- Layout format: Phone layout
- Operation system: iOS 6 or latest , Android version 4.3 or above with Bluetooth 4.0 (4-6")
- Support languages: ENGLISH, ITALIAN, FRENCH, GERMAN, SPANISH, PORTUGUESE, DUTCH, SWEDISH, CHINA T and CHINA S



Deliverables

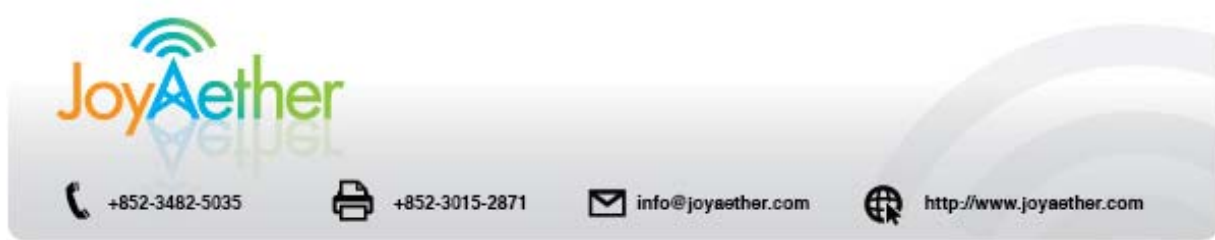
JA will deliver the following items:

- 1) User Interface Design Document;
- 2) iOS Mobile Application Phase 1 with Source Code;
All features except History, Sharing and Recipes;
- 3) Android OS Mobile Application Phase 1 with Source Code;
All features except History, Sharing and Recipes;
- 4) iOS Mobile Application Phase 2 with Source Code;
Full feature set including History, Sharing and Recipes;
- 5) Android OS Mobile Application Phase 2 with Source Code;
Full feature set including History, Sharing and Recipes;



Specifications and Requirements

Specifications are documented in the file "BLE_BBQ_Apps_UI Spec_v1.5 20131031.doc". Please note, all images shown in such document only serves as illustration purpose, separate UI document will be provided for final product development.



Engineer List and Qualification

[Raymond] – UI & UX Designer

- Senior designer with experience from games to mobile applications;
- Guru in 2D, 3D and animation tools;
- Created than 25 iPhone, iPad and Android designs including Bottlemania, 4M, Estee Lauder, Drainage Service Department, HKTDC, Prfizer, Sanofi, DBS, etc...

[Ricky] – Project Manager

- Experienced in cross platform mobile solution design and implementation;
- Delivered many large scale projects using agile methodology;
- Involved in the development of more than 30 iPhone, iPad and Android solutions including HKTDC – Exhibitor Mobile Solution, Sanofi Drug Reminder Mobile solution, DBS OCR Mobile, etc...

[Andy] - Software Engineer

- Experienced in cross platform mobile solution implementation;
- Experts in mobile application development especially in User Interface, multi-threading, mobile database and ORM technology;
- Involved in the development of more than 20 iPhone, iPad and Android solutions including AppleDaily, Moov, Asian Financial Forum, etc...

[Torres] - Software Engineer

- Experienced in Android Application design and implementation;
- Experts in Java and C++ bridging technology and image processing applications;
- Involved in the development of more than 12 Android solutions including OnlineAssessment, TeaspoonAR, Bunny-Series, etc...

[Matthew] - Software Engineer

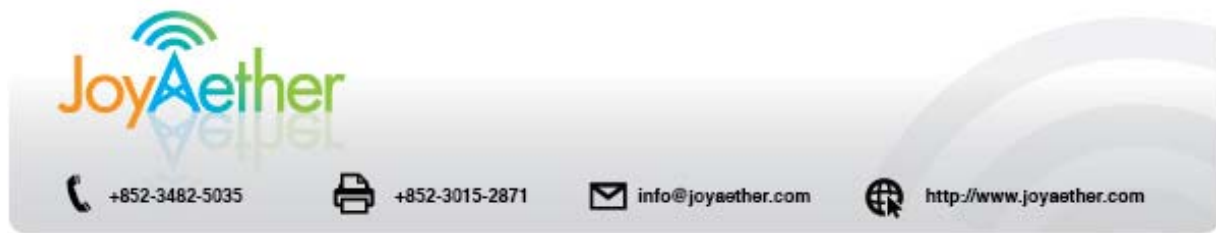
- Experienced in cross platform mobile solution implementation;
- Experts in mobile application development especially in User Interface, multi-media and location based technology;
- Involved in the development of more than 25 iPhone, iPad and Android solutions



including JoySprouts, Radio95, Traffic Alert, etc...

[Lam] - Software Engineer

- Experienced in iOS mobile solution implementation;
- Guru in ORM, mobile database, WiFi, and BLE technology;
- Involved in the development of more than 20 iPhone and iPad solutions including Bottlemania, 4M AR app, ERP and Lead management solution, etc...



Estimated Project Duration

In total, 165 man-day is required to complete both iOS and Android application implementation and 10 man-day is required for the UI design for both applications.

Design:

Raymond: 10 man-day

iOS Development:

Ricky, Andy and Lam: 77 man-day

Android Development:

Ricky, Matthew and Torres: 88 man-day

Estimated Project Schedule and Completion Date

Auto-regression project period is expected to run between Jan 13th to May 2nd.

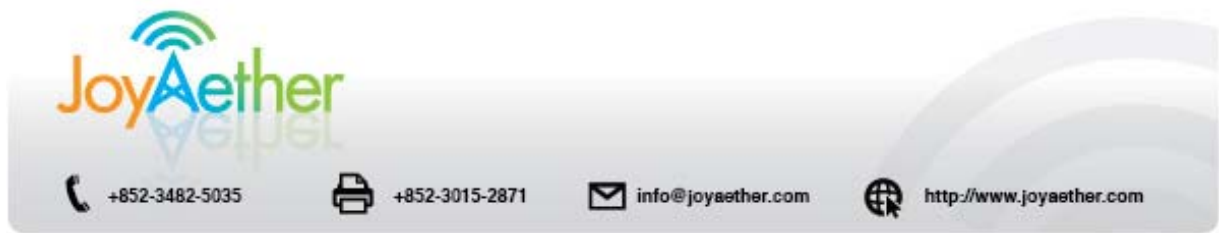
Resources break down & date:

Date	Expected Work Item	Number of Man-day
Jan 13 th – Jan 17 th (5 calendar days)	UI Design, PM & Spec confirmation	6
Jan 20 th – Jan 24 th (5 calendar days)	UI Design, PM & iOS Hardware Communication	8
Jan 27 th – Jan 30 th (4 calendar days)	UI Design, PM & iOS Hardware Communication	6.5
Feb 4 th – Feb 7 th (4 calendar days)	PM, iOS Hardware Communication, iOS UI Implementation	8.5
Feb 10 th – Feb 14 th (5 calendar days)	PM, iOS Hardware Communication, iOS UI Implementation	8.5
Feb 17 th – Feb 21 th (5 calendar days)	PM, iOS Hardware Communication, iOS UI Implementation	9
Feb 24 th – Feb 28 th (5 calendar days)	PM, iOS Hardware Communication, iOS UI Implementation, Android Hardware Communication	14
Mar 3 rd – Mar 7 th (5 calendar days)	PM, iOS Hardware Communication, iOS UI Implementation, Android Hardware Communication, Android UI Implementation	20
Mar 10 th – Mar 14 th (5 calendar days)	PM, iOS UI Implementation, Android Hardware	16

	Communication, Android UI Implementation	
Mar 17 th – Mar 21 st (5 calendar days)	PM, iOS Debug, Android Hardware Communication, Android UI Implementation	16
Mar 24 th – Mar 28 th (5 calendar days)	PM, iOS Debug, Android Hardware Communication, Android UI Implementation, iOS Phase 1 Version Ready to Submit	16
Mar 31 st – Apr 4 th (5 calendar days)	PM, Android Hardware Communication, Android UI Implementation	13.5
Apr 7 th – Apr 11 th (5 calendar days)	PM, Android Hardware Communication, Android UI Implementation	13.5
Apr 14 th – Apr 17 th (4 calendar days)	PM, Android Hardware Communication, Android UI Implementation, iOS Phase 2 Version Ready to Submit	10.5
Apr 22 nd – Apr 25 th (4 calendar days)	PM, Android Hardware Communication, Android Debug	5.5
Apr 28 th – Apr 30 th (3 calendar days)	PM, Android Debug, Android Phase 1 & 2 Version Ready to Submit	3.5

In order to track the progress of the project, 4 reports will be signed by JA and OSGD on Jan 30th, Feb 28th, Mar 31st and Apr 30th.

The progress report will consist of the following sections:



- Report period: begin and end date for the report
- Resources spent
- Progress % completion for deliverable 1 to 3
- Encountered issues

On Apr 11th and May 9th the most final version of the source code will be shared with the OSGD team.

Deliverables Evaluation

Deliverable items should be evaluated based on the following criteria:

1. User Interface Design Document:
 - Screen mockup of all page flow;
 - 2 reviews carried by OSGD;
2. iOS Mobile Application Phase 1 with Source Code:
 - Features & behavior satisfied the mockup design;
 - All source code checked into OSGD's Source Version Control system;
 - Passes User Acceptance Test carried by OSGD;
3. Android OS Mobile Application Phase 1 with Source Code:
 - Features & behavior satisfied the mockup design;
 - All source code checked into OSGD's Source Version Control system;
 - Passes User Acceptance Test carried by OSGD;
4. iOS Mobile Application Phase 2 with Source Code:
 - Features & behavior satisfied the mockup design;
 - All source code checked into OSGD's Source Version Control system;
 - Passes User Acceptance Test carried by OSGD;
5. Android OS Mobile Application Phase 2 with Source Code:
 - Features & behavior satisfied the mockup design;
 - All source code checked into OSGD's Source Version Control system;
 - Passes User Acceptance Test carried by OSGD;

End of Document