

## **Mobile Apps, BI, Database Technology BILT**

October 1, 2014

Meeting Minutes

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### **Welcome & Introduction by Dawn Zapata at Bunker Hill Community College**

#### **Trends**

Chan Beauvais – I'm seeing some interest on big data in terms of what you do with modeling. There is very little out there. I think there is some work to be done with that.

Adrian Mendoza– On the mobile apps side, I'm looking at how to segment and get more usage from customers. This involves doing smarter push notifications and smarter display of UI for individuals based on contacts. We're beginning to look at mobile as a delivery platform into someone's eyes because their phones are in their pockets. I'm really focused on how we could build analytics and how the device can show us a little more of a usage pattern to give us a really informed view of our mobile app user.

Matt Glover- Normally, you wouldn't think there is a mobile app experience in that but there is. They had the pilot of the helicopter with a laptop strapped to his leg. Interestingly enough- there is a lot of experience that those pilots have. They have created those flags into a mobile app so they just strap an iPad to this leg now. He could just tap when there is damage. It is a great way to leverage this experience long-term.

Adrian Mendoza – I absolutely agree. I think it is important to acknowledge the power that the mobile app has in sending information instantly and also having a camera. Having your mobile site use a camera and know your location. With iOS 8 and the larger screen devices, it is giving us a platform to do more with our mobile devices.

Matt Glover – I met with the CIO of Kroger and they are revolutionizing how people shop. One thing that they have done is with an iPhone app, they are making smart shelves. You can bring your phone up and look at the shelves; it will flag all of the flags that are gluten-free (or any other allergens). Instead of having to look at the back of items, you can just use this. You can also change the decision matrix to meet whatever you want (calories maximum, etc.). They will be rolling it out soon so that will be a great feature for them. What else are you looking for in the industry spectrum? Containerization is the separation of business data & personal data; this is a huge trend that is happening in MDM.

Adrian Mendoza – We're seeing that in the enterprise space. Dealing with encrypting passwords, etc. Now you have something that is inherently insecure. This is business enterprise data that is on my personal device.

Matt Glover – The other trend that I found fascinating is all of the visual translators that are out now. You can pull your camera up at words in a different language to translate. What a great way to excite your students.

## Updates

Dawn Zapata – This grant has been a huge enabler in creating a new program in the mobile apps space. I wanted to show you all where we are going; we've been working with our team to develop this first level mobile apps stack which is a 16-18 credit certificate program. We've shared a little bit of the pieces that will be included in that. We were fortunate enough to win a TAACCCT 3 grant; the work that we've begun with this grant has allowed us to continue to stack this program with the information that we have received from this group. This is a hot area in the industry right now so we're going to be developing two additional levels – one will be a mid-level career certificate, and the other will be an Associate of Science in IT degree with a mobile applications concentration. My colleague who is joining me was hired under the TAACCCT 3 grant to continue the work that we have started under the level one grant. We're currently looking into what the design needs to look like for the level two and three stackables. Some of the ideas are listed on the slide. We've done a little bit of research into the types of jobs that students might get with an associate degree in this area. We would love feedback from our BILT partners & would like to know if we're heading in the right direction.

Chan Beauvais – Yes, I like this.

Dawn Zapata – What kind of things might we see coming out of that so we can inform students?

Kevin Gilhooly – I think what you're going to see short-term is that more products are supported on Apple hardware. If you're looking at doing development, nothing changes. If you're looking at doing technical sales or basic usage, then you would add something. Since you're already doing iPhone and iPad development, we have other tools in the Cloud that will support Apple hardware as well.

Dawn Zapata – The Cloud development is something we need to refocus on.

Lizbeth – What direction should we focus on specifically in the Microsoft mobile website development areas?

Matt Glover - I was with Dell and they are putting an interactive TAP technology. There are very interesting things coming up with TAP technology. This will allow people to get information without having to type in all of this information for it.

Kevin Gilhooly – I think you need a different overview. The problem is that people assume the Cloud is secure because someone else is managing it. I don't think that is a safe assumption.

Judith Morel – I'm just reviewing a course that one of our faculty created. It is very rudimentary and focuses on mobile devices, specifically on security mobile devices. I can forward that outline over to everybody. It has been reviewed and edited so it is ready to be posted.

Dawn Zapata – That will be great, Judith. Did you have anything else to share?

Judith Morel – We have another intro course that is in the process of being reviewed and it is two weeks away from being released to everybody.

Diane Ganze – Earlier this semester, we offered two boot camps for students considering mobile app courses. We worked with CE and credit instructors for some of the events- they taught for an hour and how to break into the industry. The students then went through a hands-on exercise. It also resulted in an internship for one of the students.

Dawn Zapata – One final question - In terms of our department, how much should we be focusing on mobility in all of our courses? Are people actually moving away from standard PC and laptops and into mobile devices?

Adrian Mendoza – I would say that is a good observation. I think that every class should have a mobile component with it. One of the quick ways to take a mobile based class where you are working on these platforms is to take some time in the class to introduce responsive design into part of the requirements for building a website. Even though someone might not go into mobile apps just yet because that is going to create a completely divergent track, but everything that they produce that will be web based should be designed to work for a tablet. That actually brings in the importance of doing more mobile focused designs into the program structure.

Bob Schoenherr – I agree completely. There has to be a mobile piece in almost every curriculum now.

Kevin Gilhooly – I would say that if nothing else, you have to keep defensive design so you don't have to rewrite everything on every platform.

Dawn Zapata – These are skills that students should expect to walk into the industry with; we need to make sure that these things are already being taught. We're going to continue to develop this program.

Matt Glover – What is the adoption that students with classes? How many students are going through these classes?

Dawn Zapata – I will have to look into that.

Judith Morel – 560 students at Bellevue but that is in a variety of areas. BI is very popular at Bellevue but it is very small.

Christina Titus – We have 58 students since last semester in the mobile app program. I'm not sure what the current semester numbers are.

Adrian Mendoza – The faster you can implement the program, the better. There is a lot of excitement around this area and we could get a lot of students into these programs if you can do it quickly.

*Meeting adjourned at 10:47am*