Status Report February 12, 2010

Work Completed

- Attended DimDim web meeting with Shawn and Jong to discuss the MarketMaker and KISTI projects and what I should work on for the week.
- Added KISTI SOW to KISTI project wiki as separate pages.
- Ran MAEviz to create overlay image of building inventory, transportation network and small 3.8 magnitude earthquake that hit outside of Chicago on February 10, 2010. I also discovered a minor issue with the CEUS attenuation that I discussed briefly by email with Glenn Rix and Josh Steelman. Frankel et al 1996 uses coefficients for set magnitudes and interpolates between magnitudes; however, the lowest earthquake magnitude it has is 4.4. It was throwing off the values from the CEUS attenuation since it carries 25% of the weight. Glenn suggested a simple methodology to interpolate down that I will add to MAEviz to fix the issue. I used the Rix attenuation for the overlay I created.
- I investigated the possibility of using GWT-OpenLayers, a library that wraps OpenLayers, a JavaScript library, that we intend to use with the MarketMaker project. The GWT-OpenLayers library has only wrapped the functionality they require and it is a small community supported project that continues to wrap the OpenLayers library for use with GWT, but it has a ways to go. I was able to wrap the parts of OpenLayers we needed to recreate most of our current HTML/JavaScript mockup that we have thus far for MarketMaker so I believe we will be able to use the library and wrap any additional parts we require.
- Attended DimDim web meeting on Friday afternoon with MarketMaker folks to get their feedback on current prototype mockup. They seemed very please with what we have accomplished thus far and are excited about where we can take the web mapping tools.
- Setup the project layout in Subversion so I could check in the GWT-OpenLayers wrapping code and the Marketmaker mockup code that I wrote.

Work Planned

- Meeting with MarketMaker folks to discuss prototype mockup
- Work on MarketMaker project, investigate GWT-OpenLayers for possible use with MarketMaker.

Comments

This week went as planned. I did a small amount of MAEviz work/usage with the earthquake that occurred on February 10, 2010.