**May 23, 2012**

Use iPad to create rudimentary panoramas

Photosynth

AutoStitch Panorama

360 Panorama

Pano

Still need admin rights to install java and use Eclipse

Found sample panoramic image from internet to use for testing purposes. I first want to be able to get street view to work correctly with the code in the repository, then work on applying it to actual locations inside the Sears shopping mall.

Will plan to create a simple proof of concept using images taken around the office and link them together so that it simulates the experience of navigating through the building.

Youtube Videos

Google Maps API Street View Service - <http://www.youtube.com/watch?v=Ui8NdL0jQ9I>

**May 29, 2012**

Today I made a beanView.html that links google maps to a panorama found online. The initial position is near the bean in millennium park and there is an arrow that allows you to view a custom street view of the bean.

I also am starting an officeView.html that will transition from the outside of Sears Holdings headquarters to the E5 office building and then further to my cubicle and desk. If this is implemented it should serve as a guideline to extending indoor street view to larger projects.

**The relevant tasks are:**

**Setting up nodes so they have connections to other nodes that are travelable.**

**Setting up a naming convention so the images can be returned correctly.**

**Took panoramic images of the office, somewhat choppy but good enough for testing purposes.**

Also attempted to set up SVN today, but need access rights. Waiting until tomorrow to check out code base

Should consider testing on android device soon to ensure there are no compatibility issues

Aim to complete indoor street view of subsection of office by Friday

**May 30, 2012**

Today I worked on getting multiple links to work. Basically you need to create custom links as well as get customPanormas for each.

Figured out how to put markers on the map and link them to street views. Now they turn green when you click on them and bring you directly to that street view, they will also be highlighted as you navigate through the street views.

Took new panoramas using Photosynth on iPad. Images include the downstairs lobby and atrium, as well as the lounge area near the elevators on E5. Also replaced older desk images with new ones.

Gori has zooming levels working so will incorporate that tomorrow. Also helped me with overlaying the map div into the panorama canvas. Don’t know if it should end up that way because it takes away from the street view.

Tomorrow I plan to add better arrows like those in google maps. Also start reviewing SVN code and begin incorporating street view into SKIN map.

**June 08, 2012**

Today I worked on getting the indoor street view prototype to work on android. I’m using a webview to display the html currently.

Some features I added today were:

Zooming controls:

These are pretty small and hard to press on the android device screen but there doesn’t seem to be a way to customize them or even use google’s zoom in and zoom out actions

Also did research on pinch zooming which doesn’t seem to be an option on android either

Polyline Paths:

Drew a red line on the path between the markers so the user knows where they are traveling between panorama transitions.

Toggle Map View:

Button that hides the map view in the corner so the full panorama can be displayed.

Landscape Only:

Locked the screen orientation in landscape as it is better suited for the viewing purposes of the application.

TODO:

Integration with SKIN map

Grabbing images from online server using URL instead of local directory path

Customizing UI (zooming controls, togglemap, etc)

**June 12, 2012**

Today I made some modifications to the android application. I removed the title bar from the panorama screen to make more room for the image.

I also confirmed that the images being used for the pano tiles and markers are being retrieved from the SKIN server. I noticed that the first time you use the application, the images take a long while to load but once they have been loaded, the panorama functionality works as expected.

I also spent some time looking into jQuery stuff. I am considering using some jQuery UI elements to improve the toggling of the mini-map. Will work through a tutorial tomorrow and begin to learn how to develop web pages with jQuery. First I will need to determine whether it will be compatible with mobile.

Also start on making a clean version of the AndroidIndoorStreetView project. Consider whether state persistent implementation is necessary or if it is easier to just lock orientation in landscape.

Once ISV is integrated with existing SKIN code, work to porting it to android.

Figure out how ISV fits into the big picture for SKIN, what is the use case, how will the user access the panorama mode, etc.

June 14, 2012

Today I made progress on automating the panorama code by pulling out the customizable data and storing it all in a JSON at the top of the file. This will help make the code more modular so that we can add more panoramas and links dynamically without having to go in and manually change the code. It also removed a lot of the repetitive boiler plate code that was being used to create panoramas and links for each node. From here, we can populate a database with all the pano information that we want and evaluate it on the fly to create our indoor street view.





