Introduction to Human Computer Interaction – CS 760/860
Mapping Routes – Storyboard
Due: Thu, Apr 31 2012 – handed in before class starts.

For this assignment, you are to create a paper prototype in the form of a storyboard (*) that illustrates the set of interactions a user would go through to use the system described by the following scenario. The storyboard must illustrate both the interactions that occur on the digital map as well as those that occur on the accompanying app on user’s mobile.

Scenario

After parking my car, I walk over to the digital map of golden gate park. Before I can use the map to create a route for running in the park, I must first register. During registration I’m asked to pair my phone with the map. To pair, I login into my phone using the fingerprint scanner.

Once I’ve registered my phone, I’m able to start describing the route along which I'll run. I go around the map touching different locations in the part where I want to run. Since the phone has synced with the map, it has access to my fingerprint. When I touch the map it recognizes which places I touch and adds them to the route being created.

Although there is another person creating a route, the map is able to discriminate between my finger touching the map and the other person’s touch. Each touch is represented by a place marker. I can draw an X over the marker using my finger to delete it.

Once I have finished marking my route, I confirm that its finished and the map syncs the route with my phone. By default it names the route by today's date, but I prefer to add my own names. I have a small number of names I use and I usually just reuse them.

When running, my phone will give me directions when I've gone off my route. Sometimes, while I’m running and listening to music, I'll pause the music and dictate my thoughts - about the view, about the squirrel that just crossed my path or about my job. A nice feature of the phone app is that it transcribes the dictation, so I can read it when I finish my run.

Sometimes, when I'm done, I go back to the map, login in again and it will display my route (as I ran it) and I can place my phone over a marker and my phone will play back the that thoughts I dictated at that spot.

I can also choose to just listen to my thoughts played back on my phone in slideshow fashion where the app plays back my thoughts one by one along with a view of the place where it was recorded. The slideshow option supports three additional gestures. A flick to the right for forward, a flick to the left is backward, a single tap is pause when its playing and play when its paused.

As I start to head home, the phone recognizes that I'm moving away from the map and it automatically logs me off.

End Scenario
(*) A storyboard is a series of sketches showing the interface as the user interacts with it. Each sketch of the interface used during interaction should be annotated with a narrative about the task the user is trying to accomplish.

As usual everything must be written using Word and handed in at the start of class.