My sign on process is pretty poor to be honest. I had high hopes of creating my own encrypted login system, it was going to be so grand. It did not work out like I planned. I ran into tons of issues that took 8 plus hours to figure out because there is really poor documentation for Windows Phone. I ended up just doing my sign in by getting the Username and Password and passing them to my API to check if the password was valid. In a real world application this would be a terrible idea, but I just didn't have time to fix it after I implemented it that way to start. I wanted to encrypt it on my app, send the encrypted text to my API for storage, and retrieve and decode anything I needed to.

My database only has two entities, which are users and organizations. The users are associated with organizations in the form of a favorites list. My app uses Geolocation to find the city that the user is accessing the service from, or the user can type in the city name, and resources from that city are presented.

These are some of the URI's that I passed in with my URL to use my API.

/org/<city:[A-Za-z0-9]+><:/?>
/faves/<name:[A-Za-z0-9]+><:/?>', 'faves.Favorites'))
/faves/put/new', 'faves.Favorites'
/users/<name:[A-Za-z0-9]+>/<passw:[A-Za-z0-9]+>
/delete/<name:[A-Za-z0-9]+>

I used GET, POST, PUT, and DELETE and broke down the URI's to differentiate between the calls. I probably could have done a little better job making them explicit about what they each do in the name.

Overall I do not feel like my project was great. I spent a ton of time on it and I do think it met all of the criteria for the project. It also really hurt me that I dealt with a lot of different personal issues this term which significantly affected my ability to keep up earlier in the term. I apologize for all of the late assignments this term, I have a feeling I am not going to pass the class unfortunately. I did learn a ton though and I do actually have a good grasp on cloud computing, building an API, and programming a Windows Phone App. Through all of the struggles I had on the final project it really brought together all of the themes that were covered throughout the course.