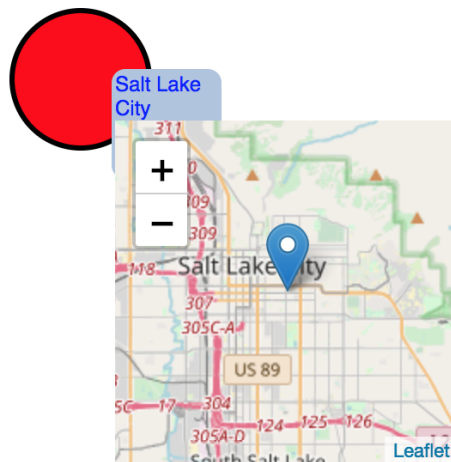


## Tooltip with map

The family tree visualization will have a particular feature: a tooltip that appears when hovering over a node of the tree and that will show the city where the person represented by the node lives (or is buried). The tooltip will also display other information.

The tooltip, now, displays the map of the given coordinates. To accomplish this, the map.html file uses the Leaflet library to retrieve the information and openstreetmap.org to populate the maps visualization. The choice of Leaflet was dictated by the fact that, since Leaflet is open source, it integrates well with d3. Google maps could have been another good choice, but it is more complicated and the security to access it is more elevated. That is why it has not been chosen.

An example of the tooltip is the following:



The difficulty in integrating this map with the data is that the data contains names of the cities, while the library needs coordinates (latitude and longitude). We are exploring different ways to do that. The first way would be to integrate the coordinates in the data, but it requires more time. Another way would be to use a geocoder. We are currently exploring this option.