The purpose of this assignment is to gather requirements for the design of a multi-touch tabletop that supports building running and cycling routes in Golden Gate Park, which is located in San Francisco:

https://www.google.com/maps/d/u/0/viewer?mid=zsf7E12qGAiY.kW-5idY5nEM&hl=en_US

There are several examples of sites that support such route creation and Google maps allow you to get directions for walkers and cyclists. Review them for ideas and for an understanding of the problem domain.

The design of the route creation interactions is up to you. Ten percent of your grade will be given to parts of the design that I deem both novel and are shown to enhance the usability of the system (think usability principles and magic lens video).

The first step is to create a set of three personas describing typical users of your tabletop. Make sure they differ in ways that imply the need for different aspects of the design to support them. That is, the personas are of people that have their own special needs. A runner that is new to the area, a runner who runs everyday, but likes to change routes a bit or a runner on a business trip that’s looking for some exercise. Be careful to include a picture that suggests the person you’re describing.

The second step is to create three scenarios describing the use of your tabletop. Make sure that the scenarios don't have much too overlap. Remember, scenarios are stories that describe a sequence of events and how the use reacts to them. Make sure your stories are readable.

The third step and most important is write-up the requirements report. Make sure the report contains all kinds of requirements, not just functional ones, including non-functional (e.g. memory size, response times etc), data and environmental (e.g. physical, social and organizational). Use the template that appears on the backside to record your requirements. I would suggest having someone review your requirements to get a reality-check to make sure you haven’t forgotten anything. Completeness is VERY important here.

As usual everything must be written using Word.
Requirement report entry template

Description:
- A one-sentence statement of the requirement

Rationale:
- Why is the requirement considered important or necessary

Source:
- Who raised this requirement

Fit Criterion:
- A quantification of the requirement used to determine whether the solution meets the requirement

Dependencies:
- Other requirements with a change effect

Conflicts:
- Requirements that contradict this one