Requirements:

In technology of choice:

        Build a single web page that can be run by Lumos that allows us to enter a street address and get a static map image using the **Google API** for this.

o   NOTE: It goes without saying, but you should not share your private API key, we have our own which he should make easy to plug in to the application when running the web page.

o   NOTE: The Google API for this will be free unless he already has used his free 12-month trial in which case it’s only $0.002 per request (1000 request = $2), which I’m sure Apex can happily reimburse if needed.  As stated in previous bullet point, Lumos will be using its own key for review and testing.

        Web page should save addresses entered and images returned from **Google API** within the application (mechanism doesn’t matter) so that when address is re-entered, image is pulled from within the application versus using the API again, as long as the request is within 5 minutes of the original request.   The web page should tell us whether it pull from cache or not.

o   NOTE: Style of web page (CSS, use of JavaScript, etc) is not being evaluated, so no need to spend time making it pretty - we are focused on functionality only which should significantly decrease time to develop.

        Entire project should be bundled in an online git-based repository that Lumos will be able to clone and run locally containing all kata deliverables:

o   Application

o   Unit Tests

o   Documentation

        Instructions for how set up and run the application (including unit tests)

        Instructions for manual test steps to perform on the web page for us as we will act as “end-users” testing the application as well

        This can be in any format (PDF, Word, web page, online wiki, etc)

        Prior to starting coding, you should submit a short list of tasks that will be taken to complete the project prior to starting the project, tasks should include estimate of time for each task and broken down to the level of detail felt appropriate for this exercise.

o   Once received we will send a ‘proceed’ or ‘stand-by’ email for implementation to start to ensure he understands what we want by looking at this task break down.